

# ГОДИШЊИ ИЗВЕШТАЈ О НАУЧНОИСТРАЖИВАЧКОЈ ДЕЛАТНОСТИ 2016

УНИВЕРЗИТЕТ У НОВОМ САДУ  
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА



**Годишњи извештај о научноистраживачкој делатности 2016.  
је резултат рада на пројекту:**

**“НАПРЕДНЕ НАСТАВНЕ И ИСТРАЖИВАЧКЕ МЕТОДЕ НА  
АКАДЕМСКИМ И СТРУКОВНИМ СТУДИЈАМА  
ФАКУЛТЕТА ТЕХНИЧКИХ НАУКА“**

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120**

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*Захваљујемо се:*

*ауторима радова, учесницима на пројектима,  
учесницима на пројекту “НАПРЕДНЕ НАСТАВНЕ И ИСТРАЖИВАЧКЕ  
МЕТОДЕ НА АКАДЕМСКИМ И СТРУКОВНИМ СТУДИЈАМА  
ФАКУЛТЕТА ТЕХНИЧКИХ НАУКА“  
члановима Одбора за науку и међународну сарадњу,  
Центру за рачунарство, Служби маркетинга ФТН и Служби за  
међународну сарадњу.*

## ПРЕДГОВОР

*Велико нам је задовољство што смо у могућности да представимо Годишњи извештај о научноистраживачкој делатности за 2016. годину, сада већ једанаести по реду. И овај, као и претходних десет, настао је из потребе да се представи библиографија наших научних радника и истраживача на пољу развоја науке, технике, технологије и иновација у току једне године. Израда ове публикације, популарно назване „Годишњак“, потекла је из активности на припреми документације за претходне акредитације научноистраживачке делатности и прерасла је у трајну активност. Реализацијом овог извештаја је настављена полазна идеја проистекла из првог циклуса акредитације да се сви резултати у науци настали радом истраживача ФТН обједине и публикују на једном месту. Материјална основа и за овај Годишњи извештај је програмска апликација „Картон научног радника“ која је развијена и усавршена на Факултету техничких наука уз помоћ Покрајинског секретаријата за високо образовање и научноистраживачку делатност.*

*Поред резултата научноистраживачког рада у 2016. години дат је списак и свих радова објављених у периоду од 2006. до краја 2016. године у часописима са импакт фактором у циљу представљања репрезентативних резултата. Поред представљања научноистраживачких резултата, овај извештај је и својеврсна база за наредни циклус акредитације научноистраживачке делатности Факултета техничких наука.*

## 1.0 УВОД

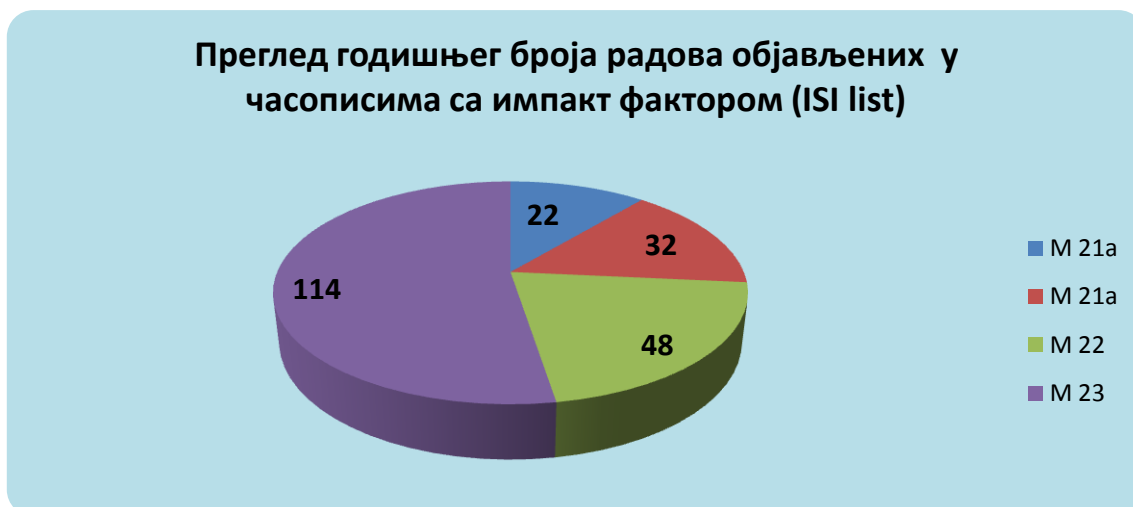
Научноистраживачка делатност на Факултету техничких наука представља једну од три основне делатности којим се бави Факултет, поред наставе и примене резултата у привреди. Факултет техничких наука располаже са бројним лабораторијама и осталом неопходном инфраструктуром (јак интернет, добро опремљена библиотека, приступ преко Кобсона највећем броју квалитетних светских научних часописа итд.) што представља добру основу за квалитетан истраживачки рад и реализацију добрих идеја.

Законским решењима, донетим увођењем Закона о високом образовању 2005. године, а нарочито правилима акредитације студијских програма и високошколских установа, дат је јак импулс у смеру појачања научноистраживачке делатности. Условљеност одбране докторске дисертације са објављивањем најмање једног рада у квалитетном часопису као и условљеност избора у наставничка звања са објављивањем одговарајућег броја квалитетних радова довела је до значајног повећања броја објављених радова у часописима са импакт фактором.

Факултет техничких наука је предузео читав низ мера како би поспешео научноистраживачку делатност и додатно подстакao своје асистенте и наставнике да буду продуктивнији у овој области. Неке од тих подстицајних мера су следеће:

- Истраживачи имају додатак на плату у зависности од броја објављених радова. Категорије су **1 рад** (тима се омогућава учешће у настави на докторским студијама), **5 радова** (чима се омогућава да наставник буде ментор на докторским студијама) и **10 и више радова** (као подстицај за континуирано бављење овом делатношћу).
- Уведена је годишња награда, која се додељује поводом Дана ФТН-а, за најбољег научника на Факултету. Поред великог признања и стимулативна новчана награда даје додатни подстицај.
- Направљена је Канцеларија за међународну сарадњу, која, поред рада са студентима по питањима размене, има за циљ подршку у проналажењу и помоћ у реализацији међународних научних пројеката.

На слици 1 је приказан преглед броја објављених радова у часописима са импакт фактором у 2016. години (*ISI list*).



Слика 1. Преглед годишњег броја радова објављених у часописима са импакт фактором (*ISI list*)

Може се уочити да је ова година, гледано по броју радова боља од претходне године (234 према 214) тако да је потребно и даље интензивно деловати у правцу повећања броја радова. Међутим, како је у овој години био нешто мањи број истраживача, гледано по броју објављених радова по једном истраживачу, добија се приметно бољи резултат (0,284 према 0,259).

У разматраној години се први пут појављују и радови у новоустановљеној категорији M21a. Приближно десет процената радова са ФТН-а спада у ту категорију, што је веома охрабрујуће јер су то најквалитетнији светски часописи. Једна од мера, која би по нашој процени требало да повећа број радова, је то што се за изборе сада гледа и да ли је кандидат први аутор.

Факултет техничких наука континуирано наставља да ради у правцу подстицања научноистраживачке делатности а нагласак током 2016. године је био на већој интернационализацији истраживања путем учешћа на великом броју међународних конкурса. Активно бављење младих истраживача науком се, и даље, подстиче на више начина:

- Сваке године се прима одређени број квалитетних дипломаца и мастера у својству истраживача сарадника на постојеће пројекте које финансира Министарство просвете, науке и технолошког развоја. Поред стипендија које им обезбеђује Министарство, Факултет техничких наука им обезбеђује просторне и све друге могућности за рад у овој области.

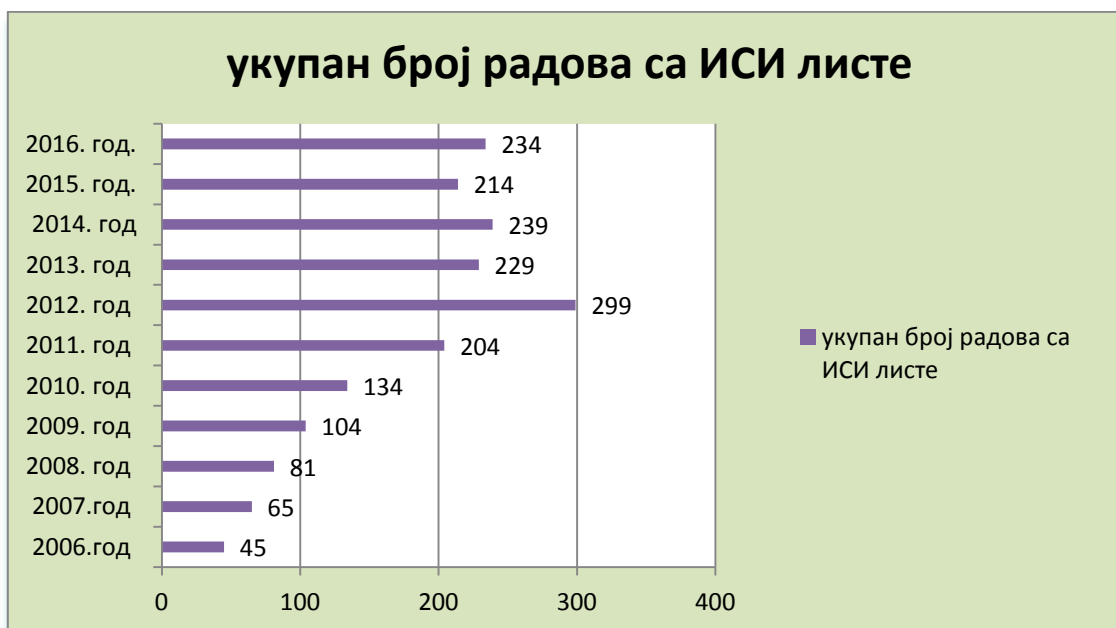
- Награда за најбољег научника се ограничава на старост до 40. година.

У складу са тим, овогодишњи добитник награде за најбољег научника на Факултету техничких наука је проф. др Владимир Вукобратовић чији су резултати, у категорији научника до 40 година, стварно импресивни.

Поред тога, уведена је још једна мера којом се спречава „спавање“ на старој слави. Наиме, почевши од 2014. године, за подстицајни додатак на плату због објављених радова се рачунају само радови објављени у последњих пет година. Ова мера доприноси својеврсној ажурности и бризи да се континуално објављују резултати научног рада.

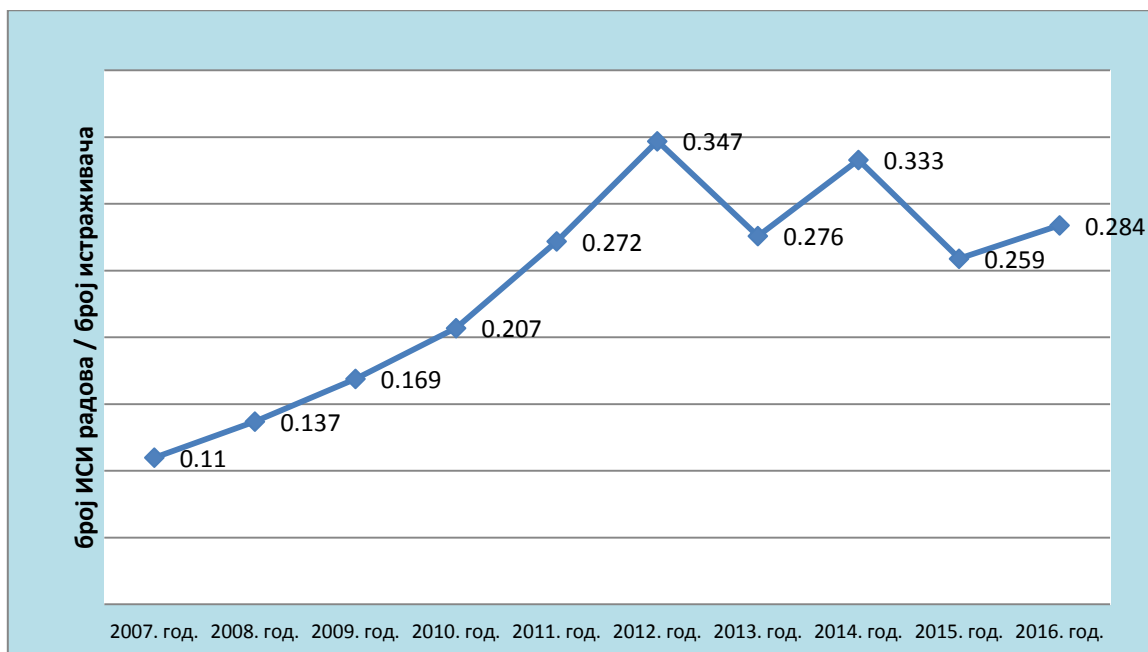
У **поглављу 2** су приказани радови објављени у часописима међународног значаја ранга M21, M22, M23 тј. часописима са импакт фактором (*ISI list*) заједно за цео Факултет техничких наука.

На слици 2 је приказана бројна структура ових радова у облику дијаграма а на слици 3 је приказан преглед броја радова по годинама у односу на укупан број истраживача.



Слика 2. Преглед броја радова објављених у часописима са импакт фактором (*ISI list*) у последњих осам година





Слика 3. Преглед броја ISI радова у односу на укупан број наставника и сарадника

У **поглављу 3** се приказује укупна научна продукција ФТН-а расподељена по Департманима а у **поглављу 4** су дате репрезентативне референце истраживача такође расподељене по Департманима у саставу Факултета техничких наука у последњих 10 година.

**2.0 РАДОВИ ОБЈАВЉЕНИ У  
ЧАСОПИСИМА МЕЂУНАРОДНОГ ЗНАЧАЈА  
РАНГА M21a, M21, M22, M23, ТЈ. ЧАСОПИСИМА  
СА ISI ЛИСТЕ (СА ИМПАКТ ФАКТОРОМ)  
У ТОКУ 2016. ГОДИНЕ**

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205.	Radović N., Jokanović I., Matić B., Šešlija M.: A Measurement of Roughness as Indicator of Road Network Condition – Case Study Serbia, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 3, ISSN 1330-3651	23
206.	Raletić Jotanović S., Sudarević T., Katić A., Kalinić M., Kalinić Č.: Environmentally Responsible Purchasing – Analysis of the Ex – Yugoslavian republics, Applied Ecology and Environmental Research, 2016, Vol. 3, No 14, pp. 559-572, ISSN 1589-1623	23
207.	Ralević N., Čebić D.: A new optimal family of three-step methods for efficient finding simple root of nonlinear equation, Mathematical Communications, 2016, Vol. 21, pp. 189-197, ISSN 1331-0623	23
208.	Ratković Njegovan B., Vukadinović M.: Serbian students assessing higher education in Serbia and abroad, CADMO, 2016, Vol. 24, No 1, pp. 23-41, ISSN 1122-5165	23
209.	Sandic-Stankovic D., Kukolj D., Le Callet P.: Multi-Scale Synthesized View Assessment Based on Morphological Pyramids, Journal of Electrical Engineering, 2016, Vol. 67, No 1, pp. 1-9, ISSN 1335-3632	23
210.	Savić G., Segedinac M., Sladić G., Gostojić S., Konjović Z.: A Machine-Readable Description of Generic Instructional Strategies in e-Courses, Computer Applications in Engineering Education, 2016, Vol. 24, No 5, pp. 665-675, ISSN 1061-3773	23
211.	Simeunović M., Bogdanović V., Pitka P., Simeunović M.: The influence of traffic conditions on the operation disorder of public transport vehicles, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 1, pp. 307-313, ISSN 1330-3651	23
212.	Simić M., Babić Z., Risojević V., Stojanović G.: Novel Non-Iterative Method for Real-Time Parameter Estimation of the Fricke-Morse Model, Advances in Electrical and Computer Engineering, 2016, Vol. 16, No 4, pp. 57-62, ISSN 1582-7445	23
213.	Simić S., Golubović D., Savković B., Kovač P., Ješić D.: Monitoring of Wood Briquettes Combustion Parameters Depending on Share Waste Materials Obtained From Refining Process of Base Oils and Paraffin, Oxidation Communication, 2016, Vol. 39, No 4, pp. 3291-3304, ISSN 0209-4541	23
214.	Sladić G., Gostojić S., Milosavljević B., Konjović Z., Milosavljević G.: Computer Aided Anonymization and Redaction of Judicial Documents, Computer Science and Information Systems, 2016, Vol. 13, No 1, pp. 217-236, ISSN 1820-0214	23

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216.	Selakov A., Bekut D., Sarić A.: A Novel Agent-based Microgrid Optimal Control for Grid-Connected, Planned Island and Emergency Island Operations, International Transactions on Electrical Energy Systems, 2016, Vol. 26, No 9, pp. 1999-2022, ISSN 2050-7038 (M22)	23
217.	Sremački M., Milanović M., Mihajlović I., Spanik I., Radonić (Jakšić) J., Turk Sekulić M., Milić N., Vojinović-Miloradov M.: „Adaptation of screening analysis method for key pollutants in wastewater of meat industry“, Fresenius Environmental Bulletin, 2016, pp. 5008-5013, ISSN 1018-4619	23
218.	Stančić M., Ružičić B., Kašiković N., Grujić D., Novaković D., Milošević R.: Washing treatment impact on print quality of screen printed knitted fabrics, Revista Materia, 2016, Vol. 21, No 3, pp. 817-826, ISSN 1517-7076	23
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220.	Stojaković V., Tepavčević B.: Distortion Minimization: A Framework for the Design of Plane Geometric Anamorphosis, Nexus Network Journal, 2016, pp. 1-19, ISSN 1590-5896	23
221.	Stošić M., Čučak D., Kovačević S., Perović M., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Radnović D.: Meat industry wastewater: microbiological quality and antimicrobial susceptibility of E. coli and Salmonella sp. isolates, case study in Vojvodina, Serbia; DOI: 10.2166/wst.2016.113, Water Science and Technology, 2016, Vol. 73, No 10, pp. 2509-2517, ISSN 0273-1223	23
222.	Sušić Z., Toljić M., Bulatović V., Ninkov T., Stojadinović U.: Present-day Horizontal Mobility in the Serbian Part of the Pannonian Basin; Inferences from the Geometric Analysis of Deformations, Acta Geophysica, 2016, Vol. 64, No 5, pp. 1626-1654, ISSN 1895-6572	23
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225.	Šešlija D., Milenković I., Dudić S., Šulc J.: Improving Energy Efficiency in Compressed Air Systems – Practical Experiences, Thermal Science, vol. 20 br. , Suppl. 2, str. S355-S370 2016, ISSN 0354-9836	23
226.	Šešlija M., Rosić A., Radović N., Vasić M., Đogo M., Jotić M.: Laboratory testings of fly ash, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 6, pp. 1839-1848, ISSN 1330-3651	23
227.	Šešlija M., Rosić A., Radović N., Vasić M., Đogo M., Jotić M.: Properties of fly ash and slag from power plants, Geologia Croatica, 2016, Vol. 69, No 3, pp. 317-324, ISSN 1333-030X	23
228.	Šimunović G., Svalina I., Šimunović K., Šarić T., Havrlišan S., Vukelić Đ.: Surface roughness assessing based on digital image features, Advances in Production Engineering and Management, 2016, Vol. 11, No 2, pp. 93-104, ISSN 1854-6250	23

229.	Tomić F., Pilipović S., Teofanov N.: Beyond Gevrey regularity, Journal of Pseudo-Differential Operators and Applications, 2016, Vol. 7, No 1, pp. 113-140, ISSN 1662-9981	23
230.	Vujić B., Srđević Z., Agarski B., Šimunović K.: Decision Making Framework for Decreasing the Redundancy of Air Quality Monitoring Stations in Vojvodina Province (Serbia), doi: 10.17559/TV-20150707143156, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 5, pp. 1423-1430, ISSN 1330-3651	23
231.	Vukobratović, B., Struharik, R.: Co-Processor for evolutionary full decision tree induction, MICROPROCESSORS AND MICROSYSTEMS, 2016, vol. 45, br. , str. 253-269 , ISSN 0141-9331	23
232.	Vukelić Đ., Šimunović G., Tadić B., Buchmeister B., Šarić T., Simeunović N.: Intelligent design and optimization of machining fixtures, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 5, pp. 1325-1334, ISSN 1330-3651	23
233.	Živković M., Kurtović-Folić N., Kondić S., Jovanović G., Mitković P.: Current Strategies of Urban and Architectural Conversion as a Result of Increased Housing Demands, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 2, pp. 709-716, ISSN 1330-3651	23
234.	Župunski V., Mitrović Z., Nikolić Z., Petrović G., Tamindžić G., Karagić Đ.: Uncertainty analysis of the microtiter plate method for determining trypsin inhibitor activity, Accreditation and Quality Assurance, 2016, Volume 21, Issue 2, pp 151–160 ISSN 0949-1775	23

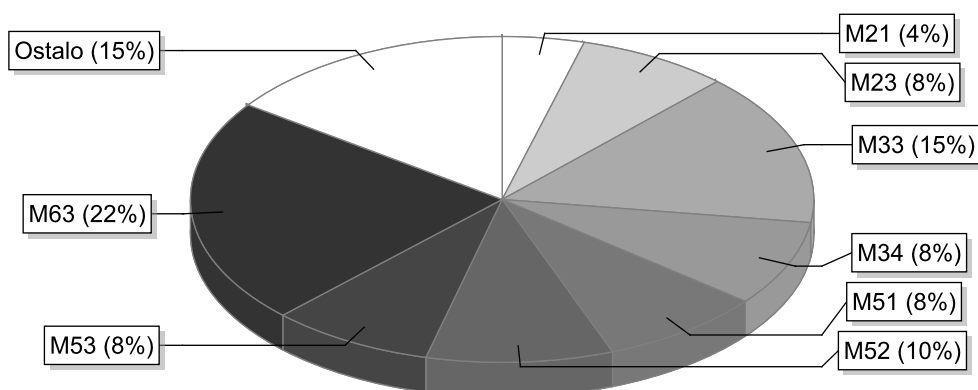


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za proizvodno mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	4
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	13
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	3
Uređivanje međunarodnog naučnog časopisa	M28	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	25
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	14
Istaknuta monografija nacionalnog značaja	M41	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	2
Rad u vodećem časopisu nacionalnog značaja	M51	14
Rad u časopisu nacionalnog značaja	M52	16
Rad u naučnom časopisu	M53	14
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	37
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1

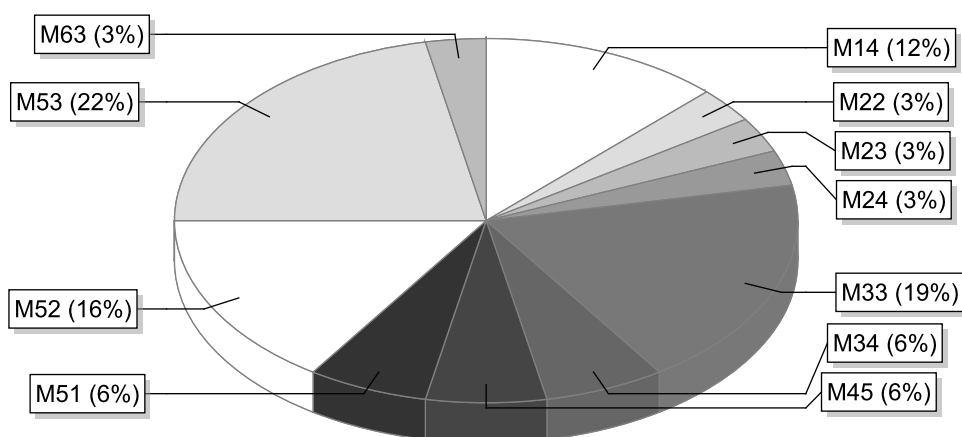


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procese obrade skidanjem materijala

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	4
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	2
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	5
Rad u naučnom časopisu	M53	7
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Bachraty M., Tolnay M., Kovač P., Pucovski (Pucovsky) V.: Influence of Various Cutting Fluids on Energy Consumption during Turning, Pfaffikon, Trans Tech Publications Ltd, Switzerland, 2016, str. 252-256, ISBN 978-3-03835-625-7
2. Djurica D., Sekulić M., Kramar D., Kovač P., Gostimirović M.: Using Advanced CAM System in Modern Machining, Pfaffikon, Trans Tech Publications Ltd, Switzerland, 2016, str. 27-32, ISBN 978-3-03835-625-7
3. Gostimirović M., Pucovski (Pucovsky) V., Kovač P., Sekulić M., Savković B.: An analytical study of energy partition in grinding, Pfaffikon, Key Engineering Materials, Trans Tech Publications Ltd, Switzerland, 2016, str. 80-85, ISBN 978-3-03835-625-7
4. Kovač P., Pucovski (Pucovsky) V., Gostimirović M., Savković B., Šoos Lj., Ješić D.: Cutting force during grinding determined by regression analysis and genetic algorithms, Pfaffikon, Key Engineering Materials, Trans Tech Publications Ltd, Switzerland, 2016, str. 13-18, ISBN 978-3-03835-625-7

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Kovač P., Petrović V., Pucovski (Pucovsky) V., Birčanin B., Savković B., Gostimirović M.: ENERGY EFFICIENCY CART MODELING OF SOLAR ENERGY COLLECTORS BY GENETIC PROGRAMMING, Thermal Science, 2016, Vol. 20, No S2, pp. 471-479, ISSN 0354-9836

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Simić S., Golubović D., Savković B., Kovač P., Ješić D.: MONITORING OF WOOD BRIQUETTES COMBUSTION PARAMETERS DEPENDING ON SHARE WASTE MATERIALS OBTAINED FROM REFINING PROCESS OF BASE OILS AND PARAFFIN, Oxidation Communication, 2016, Vol. 39, No 4, pp. 3291-3304, ISSN 0209-4541

Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Bachraty M., Tolnay M., Kovač P., Pucovski (Pucovsky) V.: Neural Network Modeling of Cutting Fluid Impact on Energy Consumption during Turning, Tribology in Industry, 2016, Vol. 38, No 2, pp. 149-155, ISSN 0354-8996

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Ješić D., Kovač P., Savković B., Gostimirović M., Sovilj-Nikić I.: Use of Sun-and-Planet Mechanism in Educative System, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of Technical Sciences, Novi Sad, 9-12 Jun, 2016, pp. 59-62, ISBN 978-86-7892-821-5
2. Kovač P., Rodić D., Gostimirović M., Savković B., Ješić D.: Application of adaptive neuro fuzzy systems for modeling grinding process, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, pp. 247-250, ISBN 978-86-85525-18-6
3. Kovač P., Savković B., Gostimirović M., Ješić D., Mankova I.: Modeling of the machining surface roughness parameters for steel difficult to machining, 1. Conference of Electrical Engineering and Systems "Stefan Garlasu", Resita: Universitatea „Eftimie Murgu“ din Resita, 3-5 Novembar, 2016
4. Savković B., Kovač P., Liska K., Mankova I., Sekulić M.: Modelling of surface roughness using the DoE plans of the first order and artificial neural networks in face milling, 9. International Scientific Conference on Mechanical Engineering - COMEC, Las Villas: Faculty of Mechanical Engineering, Universidad Central "Marta Abreu" de Las Villas, CUBA, 14-17 Novembar, 2016, pp. 1-14, ISBN 978-959-312-216-0
5. Sekulić M., Pejić V., Kovač P., Gostimirović M., Savković B.: Optimization of cutting parameters based on material removal rate in ball-end milling process, 9. International Scientific Conference on Mechanical Engineering - COMEC, Las Villas: Faculty of Mechanical Engineering, Universidad Central "Marta Abreu" de Las Villas, CUBA, 14-17 Novembar, 2016, pp. 1-13, ISBN 978-959-312-216-0
6. Sekulić M., Pejić V., Gostimirović M., Jurković Z.: MULTI-RESPONSE OPTIMIZATION OF BALL-END MILLING PARAMETERS USING THE TAGUCHI-BASED GREY RELATIONAL ANALYSIS, 20. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Mediterranean Cruise: University of Zenica, Universitat Politècnica de Catalunya, Bahcesehir University Istanbul, 24-1 Septembar, 2016, pp. 49-52

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kirin S., Kovač P., Savković B., Mirjanić S., Šoos Lj.: Production of Biomass Energy from Landfills, 22.

International Scientific Conference –Engineering for Environment Protection-TOP 2016, Bratislava: Faculty of Mechanical Engineering, STU Bratislava, 7-9 Jun, 2016, pp. 41-41, ISBN 978-80-227-4568-0

2. Kirin S., Kovač P., Sedmak A.: Potential for Using Biogas in Serbia, 6. International Conference and Workshop - REMOO, Budva: Get It Published, 18-20 Maj, 2016, pp. 1-1, ISBN 978-3-9816624-8-1

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Kovač P., Ješić D., Gvozdenović N., Gostimirović M., Pucovski (Pucovsky) V.: Tribološke karakteristike različitih ulja, Novi Sad, Poljoprivrednikov poljoprivredni kalendar, 2016, str. 112-114
2. Kovač P., Kulundžić N., Savković B., Kundrak J., Gostimirović M., Sekulić M.: Development In Machining Technology, Scientific Research Reports, Edited by : Wojciech Zebela and Ildiko Mankova, Determination of Temperature Distribution and Cutting Force in Drilling, Cracow, Cracow University of Technology, 2016, str. 7-18, ISBN 978-80-553-2576-7

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Mirjanić S., Ješić D., Kovač P., Novaković S., Kirin S.: Monitoring tribomehaničkog sistema preko sredstva za podmazivanje, Savremena poljoprivredna tehnika, 2016, Vol. 42, No 1, pp. 49-60, ISSN 0350-2953, UDK: 631.3
2. Sekulić M., Pejić V., Gostimirović M., Jurković Z.: MULTI-RESPONSE OPTIMIZATION OF BALL-END MILLING PARAMETERS USING THE TAGUCHI-BASED GREY RELATIONAL ANALYSIS, Journal of Trends in the Development of Machinery and Associated Technology, 2016, Vol. 20, No 1, pp. 33-36, ISSN 2303-4009

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Gostimirović M., Kovač P., Sekulić M., Rodić D., Pucovski (Pucovsky) V.: Machining characteristics of electrical discharge machining - A review, Journal of Production Engineering, 2016, Vol. 19, No 1, pp. 1-10, ISSN 1821-4932
2. Ješić D., Kovač P., Golubović D., Savković B.: ODREĐIVANJE ABRAZIONIH KARAKTERISTIKA NODULARNIH LIVOVA EN-GJS-420 i EN-GJS-600, Traktori i pogonske mašine, 2016, Vol. 21, No 5, pp. 63-69, ISSN 0354-9496, UDK: 631.372
3. Mitrović A., Kovač P., Kulundžić N., Savković B.: 3D FINITE ELEMENT SIMULATION OF MILLING, Journal of Production Engineering, 2016, Vol. 19, No 1, pp. 31-34, ISSN 1821-4932, UDK: 621
4. Savković B., Tarić M., Kovač P., Nedić B., Pucovski (Pucovsky) V., Risteiu M.: MODELING OF CUTTING TEMPERATURE IN TURNING OF HARDENED STEEL, Journal of Production Engineering, 2016, Vol. 19, No 2, pp. 7-12, ISSN 1821-4932, UDK: 621
5. Vrabel M., Mankova I., Kovač P., Beno J., Frankova M., Palo .: ANALYSIS AND OPTIMIZATION OF HARD TURNING PROCESS USING Al<sub>2</sub>O<sub>3</sub>/TiCN CERAMIC TiN PVD COATED INSERT WITH REGARD TO SURFACE ROUGHNESS AND CUTTING FORCE COMPONENTS, Journal of Production Engineering, 2016, Vol. 19, No 1, pp. 22-26, ISSN 1821-4932, UDK: 621

Spisak rezultata M53 - Rad u naučnom časopisu

1. Angelovski N., Gostimirović M.: Modeliranje procesa obrade ravnog brušenja, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 11, pp. 2015-2018, ISSN 0350-428X, UDK: 621.7/.9
2. Boćan N., Kovač P., Savković B., Kulundžić N.: SIMULACIJA OBRADNE BUŠENJA POMOĆU METODA KONAČNIH ELEMENATA, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 3, pp. 414-417, ISSN 0350-428X, UDK: 621.914
3. Ješić D., Kovač P., Savković B.: ENERGETIC AND ECONOMIC ASPECTS OF TRIBOLOGICAL PROPERTIES OF AUSTEMPERED NODULAR CASTING, Contemporary Materials, 2016, Vol. 7, No 1, pp. 73-76, ISSN 1986-8669, UDK: 661.665.2:620.9
4. Kulundžić I., Kulundžić N.: ANALIZA STANJA I PREDLOG MERA ZA UNAPREĐENJE PROIZVODNOG PROCESA, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 6, pp. 1079-1082, ISSN 0350-428X, UDK: 658.5.012.2
5. Mitrović A., Kovač P., Kulundžić N., Savković B.: Analiza toplotnih pojava pri obradi glodanjem metodom konačnih elemenata, Tehnika i praksa, 2016, Vol. 15, No 1, pp. 147-152, ISSN 2217-2130
6. Radić I., Kovač P., Savković B.: Tehnologije izrade kalupa za oblikovanje pneumatika, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 9, pp. 1559-1562, ISSN 0350-428X, UDK: 621.914
7. Spremo S., Pucovski (Pucovsky) V., Gostimirović M.: Ultrazvučna obrada i proračun koncentratora ultrazvučnih oscilacija, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 7, pp. 1242-1245, ISSN



0350-428X, UDK: 621.7/.9

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

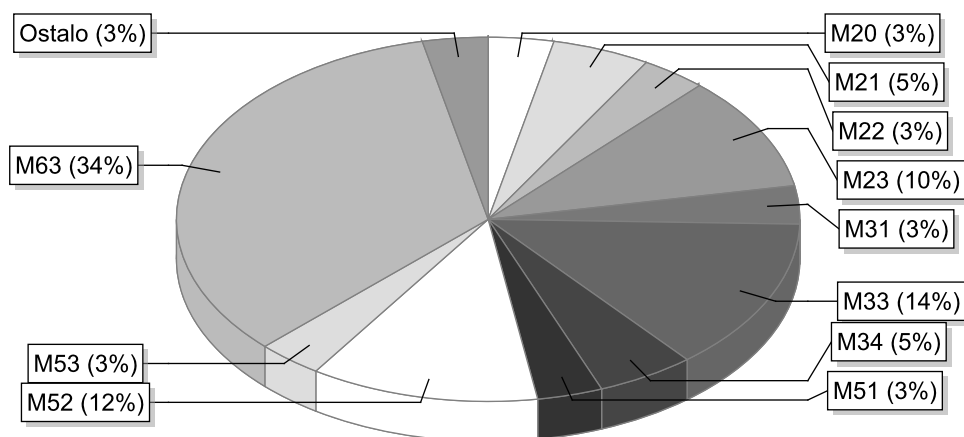
1. Mitrović A., Kovač P., Kulundžić N., Savković B.: Modelovanje i simulacija procesa obrade glodanjem, 40. JUPITER konferencija, Beograd: Mašinski fakultet Beograd, 16-17 Maj, 2016, pp. 223-226, ISBN 978-86-7083-893-2

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za metrologiju, kvalitet, pribore, alate i ekološko-inženjerske aspekte

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	6
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Uređivanje međunarodnog naučnog časopisa	M28	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	7
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	20



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

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3. Potran M., Štrbac B., Puškar T., Hadžistević M., Hodolić J., Trifković B.: Measurement of Accuracy of Dental Working Casts Using a Coordinate Measuring Machine, *Vojnosanitetski pregled*, 2016, Vol. 73, No 10, pp. 895-903, ISSN 0042-8450, UDK: DOI:10.2298/VSP150105089P
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5. Lanc Z., Zeljković M., Živković A., Štrbac B., Hadžistević M.: Sistematizacija toplotnih izvora kod mašina alatki sa aspekta zaštite rukovaoca od toplotnih opasnosti, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 49-52, ISBN 978-86-7892-825-3
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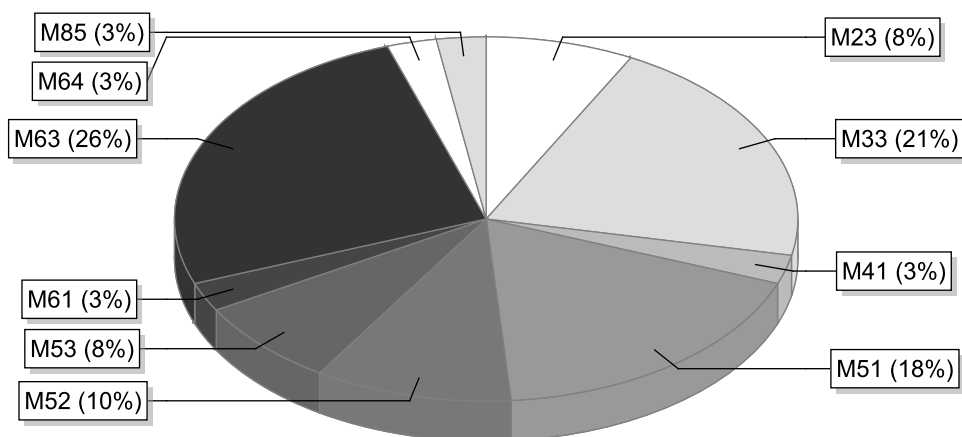
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14. Savić D., Hadžistević M.: Pregled i ispitivanje uslova radne okoline i opreme za rad u stolarskoj radionici "Zamstol" Senta, 10. Naučna konferencija sa međunarodnim učešćem (ETIKUM), Novi Sad, 23-25 Jun, 2016, pp. 165-168, ISBN 978-86-7892-825-3
15. Savić D., Šostakov R., Hadžistević M.: Osposobljavanje zaposlenih za pravilno rukovanje opremom za rad i pregled opreme za rad sa aspekta zaštite na radu - primer viljuškar, 13. Nacionalna konferencija sa međunarodnim učešćem o zaštiti na radu-Unapređenje sistema zaštite na radu, Tara: Savez zaštite na radu Srbije, 27-30 Oktobar, 2016, pp. 157-165, ISBN 978-86-919221-1-5
16. Spasić A., Lainović T., Bogdanović M., Blažić L., Šokac M., Til V.: Gustina i arhitektonika trabekularne kosti mandibule – MSCT studija, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka u Novom Sadu, 23-25 Jun, 2016, pp. 93-96, ISBN 978-86-7892-825-3
17. Stojaković V., Obradović R., Santoši Ž.: MODEL ZA KREIRANJE PLANA SNIMANJA ZA FOTOGRAFIJSKO MERENJE SFM PRISTUPOM, 10. International Scientific Conference ETIKUM, Novi Sad: FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF PRODUCTION ENGINEERING, 23-25 Jun, 2016, pp. 173-176, ISBN 978-86-7892-826-0
18. Šimunović G., Svalina I., Havrišan S., Šimunović K., Šarić T., Lujčić R., Vukelić Đ.: Adaptivni neuro-fazi sistem za procenu brzine poliranja šavnih cevi, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 9-12, ISBN 978-86-7892-825-3
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašine alatke, tehnološke procese, fleksibilne tehnološke sisteme i procese

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Istaknuta monografija nacionalnog značaja	M41	1
Rad u vodećem časopisu nacionalnog značaja	M51	7
Rad u časopisu nacionalnog značaja	M52	4
Rad u naučnom časopisu	M53	3
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	10
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

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4. Čiča Đ., Zeljković M., Sredanović B., Borojević S.: Prediction of natural frequencies of the tool controlled mode using soft computing techniques, 1. International Scientific Conference "Industry 4.0", Borovets: Scientific technical union of mechanical engineering – Industry 4.0, 12-15 Decembar, 2016, pp. 22-25, ISBN 1310-3946
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6. Lukić D., Milošević M., Vukman J., Borojević S., Đurđev M., Antić A.: Cost estimation in the early stage of product development, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: Faculty of Technical Sciences — Novi Sad, Serbia, 9-12 Jun, 2016, pp. 13-18, ISBN 978-86-7892-821-5
7. Milošević M., Antić A., Lukić D., Vukman J., Đurđev M.: e-Manufacturing: Framework for a Collaborative Distributed Manufacturing, 11. The International Conference of the Carpathian Euro-region's Specialists in Industrial Systems - CEurSIS, Baia Mare: Cluj-Napoca, 2-4 Jun, 2016, pp. 105-108, ISBN 978-606-737-166-6
8. Živković A., Zeljković M., Knežev M.: Thermal model of high speed main spindle, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: University of East Sarajevo, Faculty of Mechanical Engineering, East Sarajevo, 7-9 Decembar, 2016, pp. 215-220, ISBN 978-99976-623-7-8

### Spisak rezultata M41 - Istaknuta monografija nacionalnog značaja

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### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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2. Lukić D., Milošević M., Borojević S., Đurđev M., Vukman J., Antić A.: Manufacturing cost estimation in the conceptual process planning, *Machine Design*, 2016, Vol. 8, No 3, pp. 83-90, ISSN 1821-1259
3. Lukić D., Vukman J., Živanović S., Milošević M., Borojević S., Jovičić G., Mladenović C.: Application of STEP-NC in the integration Cx and CNC systems: case studies, *Machine Design*, 2016, Vol. 8, No 1, pp. 23-26, ISSN 1821-1259



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5. Milojević Z., Tabaković S., Zeljković M., Živković A.: Free form shape modelling by hand movement in virtual environment, *Machine Design*, 2016, Vol. 8, No 4, pp. 165-170, ISSN 1821-1259
6. Tabaković S.: CONFIGURING A MACHINE TOOL BASED ON HYBRID O-X GLIDE MECHANISM, *Machine Design*, 2016, Vol. 8, No 4, pp. 141-148, ISSN 1821-1259
7. Živanović S., Tabaković S., Zeljković M., Milojević Z.: Configuring a machine tool based on hybrid O-X glide mechanism, *Machine Design*, 2016, Vol. 8, No 4, pp. 141-148, ISSN 1821-1259

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Čiča Đ., Zeljković M., Sredanović B., Borojević S.: Identification of dynamic contact parameters for spindle-holder-tool assembly, *Journal of Production Engineering*, 2016, Vol. 19, No 1, pp. 57-60, ISSN 1821-4932
2. Čiča Đ., Zeljković M., Sredanović B., Borojević S.: Prediction of natural frequencies of the tool controlled mode using soft computing techniques, *Industry 4.0*, 2016, pp. 11-14, ISSN 2543-8582
3. Knežev M., Živković A., Mladenović C.: Analysis Static and Dynamic Behavior of Hydrodynamic Spindle, *Journal of Production Engineering*, 2016, Vol. 19, No 1, pp. 53-56, ISSN 1821-4932
4. Vukman J., Lukić D., Milošević M., Borojević S., Antić A., Đurđev M.: Fundamentals of the optimization of machining process planning for the thin-walled aluminium parts, *Journal of Production Engineering*, 2016, Vol. 19, No 2, pp. 53-56, ISSN 1821-4932

Spisak rezultata M53 - Rad u naučnom časopisu

1. Košarac A., Zeljković M., Mladenović C., Živković A., Prodanović S.: State space modeling from FEM model using balanced reduction, *Acta Technica Corviniensis*, 2016, Vol. 9, No 2, pp. 23-27, ISSN 2067-3809
2. Milošević M., Antić A., Lukić D., Vukman J., Đurđev M.: e-Manufacturing: Framework for a Collaborative Distributed Manufacturing, *Scientific Bulletin, Series C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology*, 2016, Vol. 30, No 1, pp. 70-73, ISSN 1224-3264
3. Milošević M., Lukić D., Mića Đ., Vukman J., Antić A.: Genetic algorithms in integrated process planning and scheduling - a state of the art review, *Proceedings in Manufacturing Systems*, 2016, Vol. 11, No 2, pp. 83-88, ISSN 2067-9238

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Antić A., Zeljković M., Milošević M.: Razvoj metode izdvajanja obeležja u sistemu za nadzor alata pri obradi teško obradivih materijala, 40. JUPITER konferencija, Beograd: Mašinski fakultet, Univerziteta u Beogradu, 16-17 Maj, 2016, pp. 31-35, ISBN 978-86-7083-893-2

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Antić A., Milošević M., Lukić D., Ungureanu N.: Identifikacija zavisnosti segmentacije strugotine i signala vibracija pri odabiru parametara za nadzor habanja alata, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet Tehničkih Nauka, Novi Sad, 23-25 Jun, 2016, pp. 29-32, ISBN 978-86-7892-825-3
2. Grujić J., Tabaković S., Zeljković M., Živković A., Sekulić J.: Računarsko modeliranje endoproteze zgloba kolena, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet, Istočno Sarajevo, 16-18 Mart, 2016, pp. 408-412, ISBN 978-99955-763-9-4
3. Jovičić G., Tabaković S., Zeljković M., Mladenović C.: Strukturna optimizacija pokretne platforme višenamenske mašine alatke sa hibridnom kinematikom, 40. JUPITER konferencija, Beograd: Mašinski fakultet Beograd, 16-17 Maj, 2016, pp. 316-321, ISBN 978-86-7083-893-2
4. Košarac A., Zeljković M., Mladenović C., Živković A.: Određivanje frekvencijskih karakteristika sklopa glavnog vretena mašine alatke primjenom Ojler – Bernulijeve teorije greda i pozicionog sprežanja, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet, Istočno Sarajevo, 16-18 Mart, 2016, ISBN 978-99955-763-9-4
5. Lanc Z., Zeljković M., Živković A., Štrbac B., Hadžistević M.: Identifikacija toplotnih opasnosti kod mašina alatki primenom infracrvene termografije, 13. Nacionalna konferencija sa međunarodnim učešćem o zaštiti na radu-Unapređenje sistema zaštite na radu, Tara, 27-30 Oktobar, 2016, pp. 157-165, ISBN 978-86-919221-1-5
6. Lanc Z., Zeljković M., Živković A., Štrbac B., Hadžistević M.: Sistematizacija toplotnih izvora kod mašina alatki sa aspekta zaštite rukovaoca od toplotnih opasnosti, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 49-52, ISBN 978-86-7892-825-3

7. Lukić D., Milošević M., Vukman J., Đurđev M., Antić A.: Konceptualno projektovanje tehnološkog procesa i procena troškova izrade, 40. JUPITER konferencija, Beograd: Mašinski fakultet Beograd, 16-17 Maj, 2016, pp. 6-13, ISBN 978-86-7083-893-2
8. Mića Đ., Milošević M., Lukić D., Vukman J., Stevo B.: Primena genetskih algoritama u optimizaciji tehnoloških procesa izrade proizvoda, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka - Novi Sad, 23-25 Jun, 2016, pp. 33-36, ISBN 987-86-7892-825-3
9. Tabaković S., Zeljković M., Grujić J., Živković A., Bojanić M., Sekulić J.: Računarsko modelovanje nadlaktice , 13. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, 18-20 Mart, 2015, ISBN 978-99955-763-6-3
10. Tabaković S., Zeljković M., Živanović S., Tabaković N.: Verifikacija kinematskih mogućnosti mašine alatke bazirane na hibridnoj kinematici primenom virtuelnog prototipa, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet, Istočno Sarajevo, 16-18 Mart, 2016, pp. 402-408, ISBN 978-99955-763-9-4

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Grujić J., Zeljković M., Tabaković S., Đorđević A., Vučinić Z., Lujčić N., Mandić N.: Modularna tumorska proteza zgloba kuka, 1. Kongres Udruženja ortopeda i traumatologa Crne Gore sa međunarodnim učešćem, Bečići, 29-2 Septembar, 2016

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

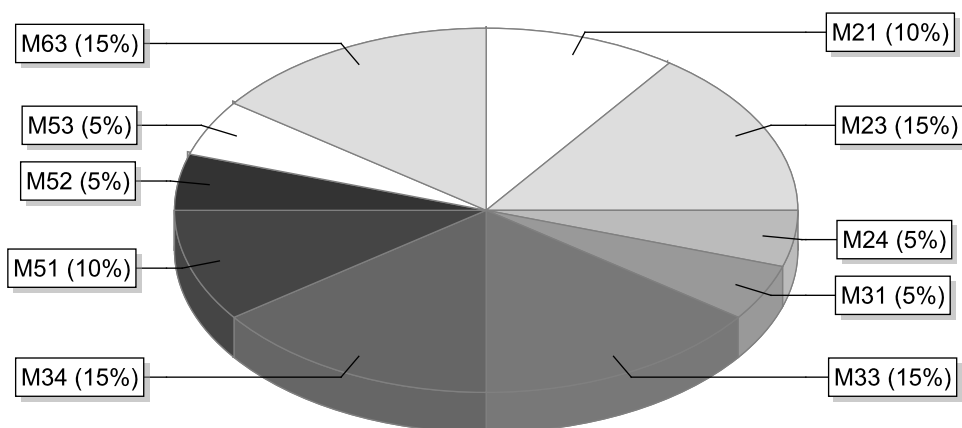
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za materijale i tehnologije spajanja

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u međunarodnom časopisu	M23	3
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Baloš S., Šiđanin (Sidjanin) L., Dramićanin M., Labus Zlatanović D., Pilić B., Jovičić M.: Modification of Cellulose and Rutile Welding Electrode Coating by Infiltrated TiO<sub>2</sub> Nanoparticles, *Metals and Materials International*, 2016, Vol. 22, No 3, pp. 509-518, ISSN 1598-9623
2. Terek P., Kovačević L., Miletić A., Panjan P., Baloš S., Škorić B., Kakaš D.: Effects of die core treatments and surface finishes on the sticking and galling tendency of Al-Si alloy casting during ejection, *Wear*, 2016, Vol. 356, pp. 122-134, ISSN 0043-1648

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Baloš S., Rajnović D., Dramićanin M., Labus Zlatanović D., Erić-Cekić O., Grbović-Novaković J., Šiđanin (Sidjanin) L.: Abrasive wear behaviour of ADI material with various retained austenite content, *International Journal of Cast Metals Research*, 2016, Vol. 29, No 4, pp. 187-193, ISSN 1364-0461
2. Baloš S., Šiđanin (Sidjanin) L., Dramićanin M., Labus Zlatanović D., Antić A.: FSW welding of Al-Mg alloy plates with increased edge roughness using square pin tools of various shoulder geometries, *Materiali in Tehnologije*, 2016, Vol. 50, No 3, pp. 387-394, ISSN 1580-2949
3. Pilić B., Radusin T., Ristić I., Silvestre C., Lazić V., Baloš S., Duraccio D.: Hydrophobic silica nanoparticles as reinforcing filler for poly(lactic acid) polymer matrix, *Hemijska industrija*, 2016, Vol. 70, No 1, pp. 73-80, ISSN 0367-598X

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Baloš S., Rajnović D., Labus Zlatanović D., Dramićanin M., Šiđanin (Sidjanin) L., Rakita M., Skakun (Francuski) P.: Failure of a Combine Harvester Front Axle, *Integritet i vek konstrukcija*, 2016, Vol. 16, No 2, pp. 95-98, ISSN 1451-3749

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Baloš S., Dramićanin M., Janjatović P., Labus Zlatanović D., Šiđanin (Sidjanin) L.: Benefits of introducing nano particles in welding and hardfacing, 1. Dan varilne tehnike, zbornik predavanj - Dan novih tehnologij in postopkov varjenja, Ljubljana: Zveza drustev za varilno tehniko Slovenije, 2 Decembar, 2016, ISBN 978-961-90183-5-4

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Baloš S., Dramićanin M., Labus Zlatanović D., Janjatović P., Šiđanin (Sidjanin) L.: GMAW welding of MPM sheets in active gas, 8. The International Conference "Innovative technologies for joining advanced materials" - TIMA, Timisoara: National R&D institute for welding and material testing - ISIM Timisoara, 2-3 Jun, 2016, pp. 75-78
2. Baloš S., Šiđanin (Sidjanin) L., Dramićanin M., Labus Zlatanović D., Pilić B.: Rutile electrodes enhanced with TiO<sub>2</sub> nanoparticles, 8. The International Conference "Innovative technologies for joining advanced materials" - TIMA, Timisoara: National R&D institute for welding and material testing - ISIM Timisoara, 2-3 Jun, 2016, pp. 69-74
3. Vilotić M., Alexandrov S., Šiđanin (Sidjanin) L., Jeng Y.: Severe Plastic Deformation by V-shape Dies, 22. Japanese Spring Conference for the Technology of Plasticity, Kyoto, 20-23 Maj, 2016

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Dramićanin M., Baloš S., Rajnović D., Labus Zlatanović D., Janjatović P., Erić Cekić O., Šiđanin (Sidjanin) L.: The microstructure influence on abrasive wear behaviour of ductile irons, 16. European Microscopy Congress, Lyon, 29-2 Avgust, 2016, pp. 1-2
2. Rajnović D., Baloš S., Janjatović P., Dramićanin M., Labus Zlatanović D., Erić Cekić O., Šiđanin (Sidjanin) L.: Microstructure and fracture mode of ballistic perforated plates made of unalloyed ADI material, 16. European Microscopy Congress, Lyon, 29-2 Avgust, 2016, pp. 1-2, ISBN 9783527808465
3. Vilotić M., Šiđanin (Sidjanin) L., Rajnović D., Novović M.: SEM-TEM study of low carbon steel subjected to conventional and severe plastic deformation, 16. European Microscopy Congress, Lyon, 29-2 Avgust, 2016, pp. 1-2, ISBN 9783527808465

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Baloš S., Dramićanin M., Labus Zlatanović D., Janjatović P., Šiđanin (Sidjanin) L.: GMAW welding of MPM sheets in active gas, *Advanced Material Research*, 2016, pp. 75-78, ISSN 1662-8985
2. Baloš S., Šiđanin (Sidjanin) L., Dramićanin M., Labus Zlatanović D., Pilić B.: Rutile electrodes enhanced with TiO<sub>2</sub> nanoparticles, *Advanced Material Research*, 2016, pp. 69-74, ISSN 1662-8985

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Santoši Ž., Šokac M., Ralević N., Budak I., Dramićanin M.: Application of fuzzy logic as a tool for improving the quality of photography by shape from focus/defocus 3D digitization, Journal of Production Engineering, 2016, Vol. 19, No 2, pp. 61-64, ISSN 1821-4932

Spisak rezultata M53 - Rad u naučnom časopisu

1. Janjatović P., Baloš S.: Balističke karakteristike perforiranih ploča od ADI materijala, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 5, pp. 785-788, ISSN 0350-428X

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

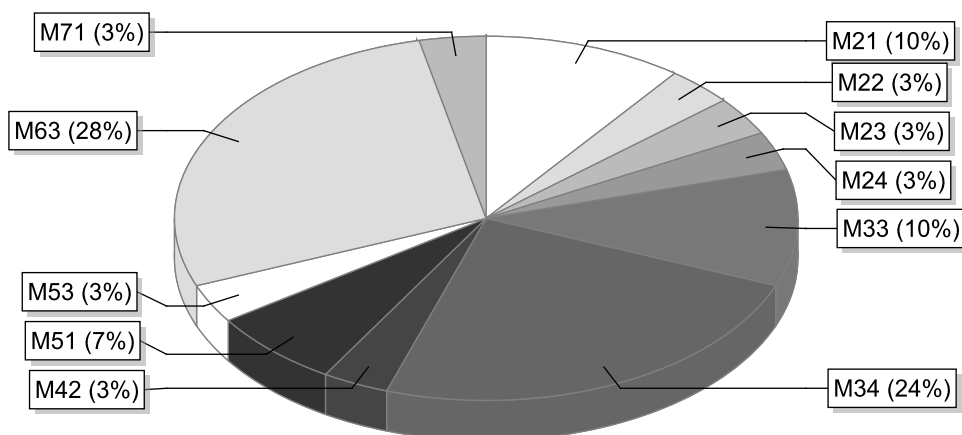
1. Baloš S., Šidjanin (Sidjanin) L., Dramićanin M., Janjatović P., Labus Zlatanović D., Rajnović D.: Uticaj tunela na osobine zavarenog spoja legure AL 5052 H38, 10. International Scientific Conference ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 23-25 Jun, 2016, pp. 21-24, ISBN 978-86-7892-825-3
2. Janjatović P., Baloš S., Radisavljević I., Rajnović D., Dramićanin M., Labus Zlatanović D., Erić-Cekić O., Janjatović P.: Balističke karakteristike perforiranih ploča od ADI materijala, 10. International Scientific Conference ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 23-25 Jun, 2016, pp. 25-28, ISBN 978-86-7892-825-3
3. Santoši Ž., Šokac M., Budak I., Ralević N., Dramićanin M.: Primena fazi logike kao alata za poboljšanje kvaliteta fotografija kod 3D digitalizacije fokusiranjem defokusiranjem, 10. International Scientific Conference ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 23-25 Jun, 2016, pp. 17-20, ISBN 978-86-7892-825-3

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije oblikovanjem i inženjerstvo površina

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	7
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	8
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Tǎlu Ş., Bramowicz M., Kulesza S., Lainović T., Vilotić M., Blažić L.: Influence of the artificial saliva storage on 3-D surface texture characteristics of contemporary dental nanocomposites, *Journal of Microscopy*, 2016, pp. 1-9, ISSN 0022-2720
2. Terek P., Kovačević L., Miletić A., Panjan P., Baloš S., Škorić B., Kakaš D.: Effects of die core treatments and surface finishes on the sticking and galling tendency of Al–Si alloy casting during ejection, *Wear*, 2016, Vol. 356, pp. 122-134, ISSN 0043-1648
3. Vilotić D., Movrin D., Alexandrov S.: A Ductile Fracture Criterion of Ti-6Al-4V at Room Temperature, *Experimental Mechanics*, 2016, Vol. 57, No 3, pp. 359-366, ISSN 0014-4851

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Vilotić D., Alexandrov S., Ivanišević A., Milutinović M.: Reducibility of Stress-Based Workability Diagram to Strain-Based Workability Diagram, *International Journal of Applied Mechanics*, 2016, Vol. 8, No 2, pp. 1-10, ISSN 1758-8251

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Pepelnjak T., Milutinović M., Plančak M., Vilotić D., Ranđelović S., Movrin D.: The Influence of Extrusion Ratio on Contact Stresses and Die Elastic Deformations in the Case of Cold Backward Extrusion, *Strojnicki vestnik - Journal of Mechanical Engineering*, 2016, Vol. 62, No 1, pp. 41-50, ISSN 0039-2480

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Baloš S., Rajnović D., Labus Zlatanović D., Dramićanin M., Šiđanin (Sidjanin) L., Rakita M., Skakun (Francuski) P.: Failure of a Combine Harvester Front Axle, *Integritet i vek konstrukcija*, 2016, Vol. 16, No 2, pp. 95-98, ISSN 1451-3749

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Škorić B., Miletić A., Terek P., Kovačević L., Kukuruzović D.: Nano modification of hard coatings with ions, 4. International Scientific Conference on Advances in Mechanical Engineering - ISCAME, Debrecen: Department of Mechanical Engineering, Faculty of Engineering, University of Debrecen, Working Commission in Mechanical Engineering Specialized Committee in Engineering Regional Committee in Debrecen, Hungarian Academy of Sciences Hungary, 13-15 Oktobar, 2016, pp. 485-490, ISBN 978-963-473-917-3
2. Škorić B., Miletić A., Terek P., Kovačević L., Kukuruzović D.: Nano modification of hard coatings with ions, 6. International Conference on Innovative Trends in Science, Engineering and Management - ICITSEM, Dubai, 1-2 Decembar, 2016, pp. 54-58, ISBN 978-963-473-917-3
3. Vilotić M., Alexandrov S., Šiđanin (Sidjanin) L., Jeng Y.: Severe Plastic Deformation by V-shape Dies, 22. Japanese Spring Conference for the Technology of Plasticity, Kyoto, 20-23 Maj, 2016

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kovačević L., Terek P., Miletić A., Kukuruzović D., Škorić B., Panjan P.: Industrial application of PVD hard coatings for improvement of high pressure die casting tools, 15. Young Researchers' Conference Materials Sciences and Engineering, YRC, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 7-9 Decembar, 2016, pp. 67-67, ISBN 978-86-80321-32-5
2. Kukuruzović D., Terek P., Miletić A., Kovačević L., Škorić B., Panjan P.: Effect of surface roughness on scratch adhesion of nitride PVD coatings with different layer designs, 15. Young Researchers' Conference Materials Sciences and Engineering, YRC, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 7-9 Decembar, 2016, pp. 66-66, ISBN 978-86-80321-32-5
3. Lainović T., Tǎlu Ş., Stach S., Vilotić M., Blažić L.: 3-D areal functional parameters extracted from AFM data of polished dental tooth-restorative nanocomposites, 16. European Microscopy Congress, Lyon, 29-2 Avgust, 2016
4. Miletić A., Panjan P., Čekada M., Kovačević L., Terek P., Kukuruzović D., Škorić B.: Industrially prepared TiSiN nanocomposite coatings, 15. Young Researchers' Conference Materials Sciences and Engineering, YRC, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 7-9 Decembar, 2016, pp. 63-63, ISBN 978-86-80321-32-5
5. Škorić B., Miletić A., Terek P., Kovačević L., Kukuruzović D.: Nano modification of duplex coatings by ion irradiation, 1. International Conference on Nanotechnology Applications - NANOTEC, Valencia: Spanish National Research Council (CSIC) · ISBN/ISSN: , 26-27 Septembar, 2016, pp. 42-43

6. Terek P., Kovačević L., Miletić A., Kukuruzović D., Škorić B., Drnovšek A., Panjan P.: Interactions of Al-Si-Cu alloy casting with duplex PVD coatings intended for application on high pressure die casting tools, 15. Young Researchers' Conference Materials Sciences and Engineering, YRC, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 7-9 Decembar, 2016, pp. 64-64, ISBN 978-86-80321-32-5
7. Vilotić M., Šidjanin (Sidjanin) L., Rajnović D., Novović M.: SEM-TEM study of low carbon steel subjected to conventional and severe plastic deformation, 16. European Microscopy Congress, Lyon, 29-2 Avgust, 2016, pp. 1-2, ISBN 9783527808465

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Doroslovački R., Vilotić D., Katić V., Kovačević I., Šešlija D., Kolaković S., Konjović Z.: Efikasnost master studija na Fakultetu tehničkih nauka u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, Edicija Tehničke nauke - monografija, 2016, ISBN 978-86-7892-815-4

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Matin I., Hadžistević M., Vukelić Đ., Milutinović M., Golebski R.: Application of numerical simulation of injection molding of medical accessory, Journal for Technology of Plasticity, 2016, Vol. 41, No 1, pp. 47-55, ISSN 0354-3870
2. Movrin D., Penčić M., Dudić S., Čavić M., Milutinović M., Vilotić D.: Experimental Investigation of Contact Conditions in Tube End Forming Process by Tapering, Journal for Technology of Plasticity, 2016, Vol. 41, No 2, pp. 45-53, ISSN 0354-3870, UDK: 621.7

Spisak rezultata M53 - Rad u naučnom časopisu

1. Škorić B., Miletić A., Terek P., Kovačević L., Kukuruzović D.: Nano modification of hard coatings with ions, International Journal of Science and Research, 2016, Vol. 2, No 4, pp. 1-5, ISSN 2412-4389

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bojanić R., Doroslovački R., Kovačević I., Katić V., Vilotić D., Kolaković S., Šešlija D., Konjović Z.: Analiza ocena sa studentske ankete i prolaznosti na ispitima na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 140-147, ISBN 978-87-7892-795-9
2. Doroslovački R., Vilotić D., Kovačević I., Katić V., Šešlija D., Kolaković S.: Značaj didaktičkih sredstava u kvalitetnom savremenom obrazovanju, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 19-20, ISBN 987-86-7892-795-9
3. Katić V., Kovačević I., Vilotić D., Doroslovački R., Kolaković S., Šešlija D., Konjović Z.: Efikasnost studiranja studijskih programa master studija Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 65-79, ISBN 987-86-7892-795-9
4. Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Šešlija D., Zivlak V.: U susret novom Zakonu o visokom obrazovanju i izmeni standarda za akreditaciju visokoškolskih ustanova i studijskih programa, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 188-192, ISBN 987-86-7892-795-9
5. Milutinović M., Lenđel R., Potran M., Vilotić D., Skakun (Francuski) P., Santoši Ž.: Razvoj novog postupka izrade metalne baze totalne zubne proteze, 10. International Scientific Conference ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 23-25 Jun, 2016, pp. 101-104, ISBN 978-86-7892-825-3
6. Movrin D., Tabaković S., Plančak M., Hadžistević M.: Primena vezivne 3D štapme pri rekonstrukciji Blowout preloma poda orbita, 10. Naučna konferencija sa međunarodnim učešćem (ETIKUM), Novi Sad, 23-25 Jun, 2016, pp. 105-108, ISBN 978-86-7892-825-3
7. Šešlija D., Doroslovački R., Katić V., Vilotić D., Kovačević I., Kolaković S.: Razvoj udaljenih eksperimenata na inženjerskim studijskim programima, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 20-29, ISBN 987-86-7892-795-9
8. Vilotić D., Doroslovački R., Katić V., Kovačević I., Kolaković S., Šešlija D., Konjović Z.: Analiza efikasnosti studiranja na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 57-65, ISBN 987-86-7892-795-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Terek P.: Unapređenje kvaliteta alata za livenje pod pritiskom primenom tehnologija inženjerstva površina, Novi Sad, Fakultet tehničkih nauka, 2016

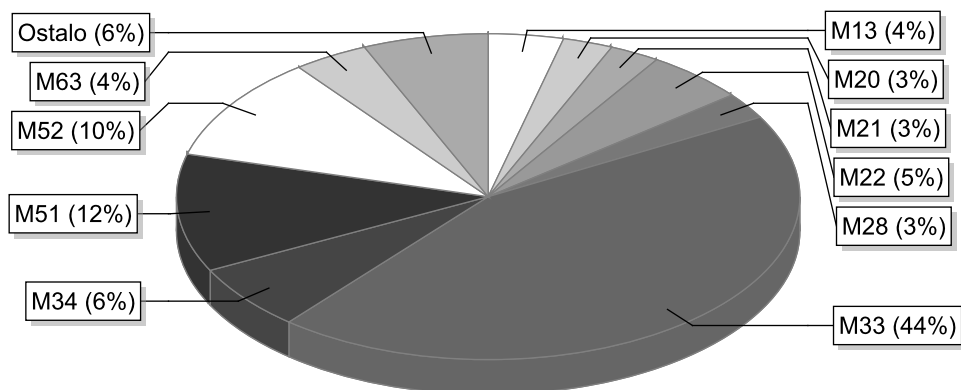


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za mehanizaciju i konstrukciono mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	1
Uređivanje međunarodnog naučnog časopisa	M28	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	34
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	5
Istaknuta monografija nacionalnog značaja	M41	1
Monografska bibliografska publikacija	M43	1
Rad u vodećem časopisu nacionalnog značaja	M51	9
Rad u časopisu nacionalnog značaja	M52	8
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1

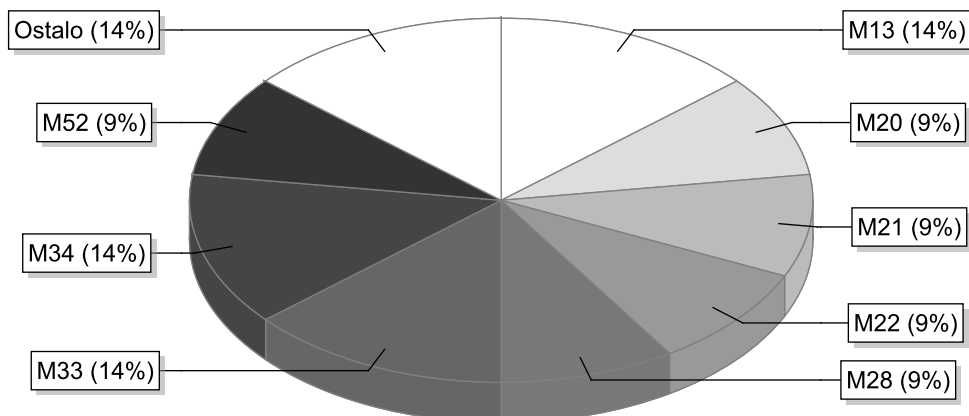


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske konstrukcije, transportne sisteme i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	2
Uređivanje međunarodnog naučnog časopisa	M28	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Bojić S., Georgijević M., Brcanov D.: Transformation of the Danube ports into logistics centers and their integration in the EU logistics network. In: Towards Innovative Freight and Logistics., Wiley, 2016, ISBN 9781786300270
2. Georgijević M., Bojić S., Matijević M.: Networking of Information Flows - Improved Concept for the Inland Waterway Transport on the Danube. In: Commercial Transport. , Springer, 2016, ISBN 978-3-319-21265-4
3. Rajković R., Zrnić N., Bojić S., Stakić Đ.: Role of Cargo Weight and Volume: Minimizing Costs and CO2 Emissions in Container Transport. In: Commercial Transport. , 2016, ISBN 978-3-319-21265-4

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Rakarić Z., Kovačić I.: Mechanical manifestations of bursting oscillations in slowly rotating systems, Mechanical Systems and Signal Processing, 2016, Vol. 81, pp. 35-42, ISSN 0888-3270
2. Ramlan R., Brennan M., Kovačić I., Mace B., Burrow S.: Exploiting knowledge of jump-up and jump down frequencies to determine the parameters of a Duffing oscillator , Communications in Non-linear Science and Numerical Simulation, 2016, Vol. 37, pp. 282-291, ISSN 1007-5704

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Kovačić I., Cvetičanin L., Zuković M., Rakarić Z.: Jacobi elliptic functions: a review of nonlinear oscillatory application problems, Journal of Sound and Vibration, 2016, Vol. 380, pp. 1-36, ISSN 0022-460X
2. Rakarić Z., Kovačić I., Cartmell M.: On the design of external excitations in order to make nonlinear oscillators respond as free oscillators of the same or different type, 10.1016/j.ijnonlinmec.2016.06.012, in press, International Journal of Nonlinear Mechanics, 2016, ISSN 0020-7462

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Zuber N.: Application of artificial neural networks and principal component analysis on vibration signals for automated fault classification of roller element bearings, Eksploatacija i Niezawodnosc – Maintenance and Reliability, 2016, Vol. 18, No 2, pp. 1-9, ISSN 1507-2711
2. Zuber N.: Feature Extraction Using Discrete Wavelet Transform for Gear Fault Diagnosis of Wind Turbine Gearbox, Shock and Vibration, 2016, Vol. 2016, pp. 1-10, ISSN 1070-9622

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Kovačić I.: Associate Editor in Meccanica, Springer, Meccanica, 2016, ISSN 0025-6455
2. Kovačić I.: Subject Editor for Nonlinear Oscillations in Journal of Sound and Vibration, Journal of Sound and Vibration, 2016, ISSN 0022-460X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Kovács Z., Szabó L., Zelić A.: A termelés aktuális kihívásai egyedi gépgyártó vállalatnál (eng. Current Challenges in the Production of a Customized Machine Manufacturing Company) , 24. International Conference on Mechanical Engineering - OGET, Deva: Hungarian Technical Scientific Society of Transylvania, 21-24 April, 2016, pp. 275-278
2. Rakarić Z., Kovačić I.: Bursting oscillations in nonlinear oscillators with slowly varying excitation, 5. International Conference on Nonlinear Dynamics ND-KhPI2016, Kharkov, 27-30 Septembar, 2016, pp. 1-8
3. Zelić A., Szabó L.: A híddaruk mozgása közben jelentkező befeszülési erők kiszámítása az EN 15011 szabvány alapján (eng. Calculation of Bridge Crane Skewing Forces According to EN 15001) , 24. International Conference on Mechanical Engineering - OGET, Deva: Hungarian Technical Scientific Society of Transylvania, 21-24 April, 2016, pp. 499-502

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kovačić I., Radomirović D., Zuković M., Benka P., Nikolić M.: Biomechanical parameterization of trunk-dominated trees, 1. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016, Novi Sad, 19-21 Septembar, 2016
2. Kovačić I., Zuković M., Radomirović D., Benka P., Nikolić M.: Oscillations of trees caused by different types of excitation: an analysis of experimental results obtained by using a 3D motion capture system, 2. Annual Main Meeting of the Society for Experimental Biology - SEB, Brighton, 4-7 Jul, 2016
3. Kovačić I., Zuković M.: Effects of an arbitrary real elliptic parameter on stability charts of undamped and damped oscillators with elliptic-type parametric excitation, 3. International Conference on Structural

Nonlinear Dynamics and Diagnosis, Marakesh, 23-25 Maj, 2016

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Živanić D., Dzinčić I., Đokić R., Zelić A.: Characteristics and Designing of the Belt Conveyor Elements, Machine Design, 2016, Vol. 8, No 4, pp. 137-140, ISSN 1821-1259

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Đokić R., Vladić J., Živanić D.: Merodavni dinamički modeli mašina vertikalnog transporta i njihovo modeliranje, IMK-14 - Istraživanje i razvoj, 2016, Vol. 22, No 3, pp. 75-80, ISSN 0354-6829
2. Stevanov B., Zuber N., Šostakov R., Tešić Z., Bojić S., Georgijević M., Zelić A.: Reengineering the Port Equipment Maintenance Process, International Journal of Industrial Engineering and Management, 2016, Vol. 7, No 3, pp. 103-109, ISSN 2217-2661, UDK: 62-7

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Savić D., Šostakov R., Hadžistević M.: Osposobljavanje zaposlenih za pravilno rukovanje opremom za rad i pregled opreme za rad sa aspekta zaštite na radu - primer viljuškar, 13. Nacionalna konferencija sa međunarodnim učešćem o zaštiti na radu-Unapređenje sistema zaštite na radu, Tara: Savez zaštite na radu Srbije, 27-30 Oktobar, 2016, pp. 157-165, ISBN 978-86-919221-1-5

Spisak rezultata M71 - Odbranjena doktorska disertacija

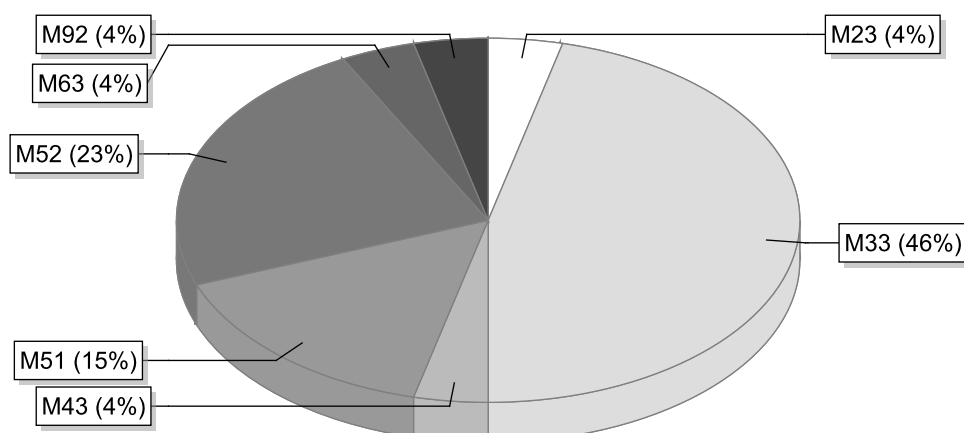
1. Đokić R.: Istraživanje dinamike i razvoj mašina vertikalnog transporta primenom numeričko-eksperimentalnih postupaka, Novi Sad, Fakultet tehničkih nauka, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za motore i vozila

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	12
Monografska bibliografska publikacija	M43	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	6
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Nakomčić-Smaragdakis B., Čepić Z., Živančev (Šenk) N., Dorić J., Radovanović (Petrovi Lj.: Use of scrap tires in cement production and their impact on nitrogen and sulfur oxides emissions, *Energy Sources Part A-Recovery Utilization and Environmental Effects*, 2016, Vol. 38, No 4, pp. 485-493, ISSN 1556-7036, UDK: DOI 10.1080/15567036.2013.787473

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Dorić J., Nikolić N., Galamboš S.: Unconventional flat double acting I.C. engine, 18. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Fakultet inženjerskih nauka, 9-10 Oktobar, 2014, pp. 57-63, ISBN 978-86-6335-037-3, UDK: 629.3
2. Dorić J., Nikolić N.: New Internal Combustion Engine, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: Faculty of technical sciences - Novi Sad, 9-12 Jun, 2016, pp. 105-108, ISBN 978-86-7892-821-5, UDK: 658.512.2
3. Galamboš S., Dorić J., Ružić D.: Wind effects on the agricultural spraying using CFD simulations, 18. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Fakultet inženjerskih nauka, 9-10 Oktobar, 2014, pp. 277-282, ISBN 978-86-6335-037-3, UDK: 629.3
4. Jocanović M., Karanović V., Orošnjak M., Nikolić N., Knežević D.: Lubricating oils for modern automatic transmission of motor vehicles, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: University of East Sarajevo, Faculty of Mechanical Engineering - East Sarajevo, 7-9 Decembar, 2016, pp. 451-456, ISBN 978-99976-623-7
5. Nikolić N., Dorić J., Jocanović M.: A computer program for the visualization of IC engine crankshaft main bearings load, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: Faculty of technical sciences, 9-12 Jun, 2016, pp. 89-92, ISBN 978-86-7892-821-5, UDK: 658.512.2
6. Nikolić N., Dorić J., Raspopović N.: Influence of air leakage in the air-intake system on some operation parameters of an automobile spark-ignition engine, 18. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Fakultet inženjerskih nauka, 9-10 Oktobar, 2014, pp. 51-56, ISBN 978-86-6335-037-3, UDK: 629.3
7. Poznić A., Miloradović D., Herceg D.: On magnetorheological multi-pole multi-T-rotor brake FEM modelling, 6. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Faculty of engineering, Kragujevac, 6-8 Oktobar, 2016, pp. 159-165, ISBN 978-86-6335-037-3
8. Poznić A., Miloradović D., Stojić B.: On magnetorheological brake FEM modeling, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: Faculty of technical sciences, 9-12 Jun, 2016, pp. 117-122, ISBN 978-86-7892-821-5
9. Ružić D., Galamboš S.: Thermal radiation between the driver and the vehicle cabin interior, 6. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Fakultet inženjerskih nauka, 6-8 Oktobar, 2016, pp. 331-338
10. Ružić D., Simikić M.: Geometry characteristics of human body model suitable for simulation of thermal comfort in an agricultural vehicle, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: FTN Novi Sad, 9-12 Jun, 2016, pp. 131-136, ISBN 978-86-7892-821-5, UDK: 658.512.2 (082)
11. Stojić B., Poznić A.: Determination of basic mechanical parameters of the tractor tyre by using universal approach, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: FTN Novi Sad, 9-12 Jun, 2016, pp. 49-54, ISBN ISBN 978-86-7892-821
12. Stojić B., Poznić A.: Research and modelling of tractor tyre radial deflection and ground contact length response to vertical load, 6. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Fakultet inženjerskih nauka Kragujevac, 6-8 Oktobar, 2016, ISBN ISBN 978-86-6335-037

### Spisak rezultata M43 - Monografska bibliografska publikacija

1. Ružić D.: Mikroklima u motornim vozilima, Novi Sad, Univerzitet u Novom Sadu - Fakultet tehničkih nauka, 2016, str. 1-234, ISBN 978-86-7892-790-4, UDK: 629.04

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Adamović D., Vojinović-Miloradov M., Miloradov M., Dorić J., Adamović (Majkić) S., Radonić (Jakšić) J., Turk Sekulić M.: Residual Toluene Concentrations in Exhaust Gas Waste Stream of Motor Vehicle, *Applied Mechanics and Materials*, 2016, Vol. 832, pp. 137-143, ISSN 1662-7482, UDK: doi: 10.4028/www.scientific.

net/AMM.832.137

2. Dorić J., Klinar I.: Influence of conrod length on wear diagram of I.C. engine crankshaft bearing, Machine Design, 2016, Vol. 7, No 4, pp. 125-128, ISSN 1821-1259
3. Dorić J., Nikolić N.: Double acting piston engine, Machine Design, 2016, Vol. 8, No 3, pp. 107-110, ISSN 1821-1259
4. Dorić J.: Wire Winding Machine Design, Machine Design, 2016, Vol. 8, No 2, pp. 69-72, ISSN 1821-1259

#### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Babić I., Dorić J., Vujičić L.: Unapređenje rada prehranjivanog dizel motora primenom električnog kompresora , Traktori i pogonske mašine, 2016, Vol. 21, No 2/3, pp. 34-42, ISSN 0354-9496, UDK: 657.474
2. Dorić J.: Motor SUS dvoradnog dejstva, Traktori i pogonske mašine, 2016, Vol. 21, No 2/3, pp. 7-10, ISSN 0354-9496, UDK: 657.474
3. Kovač A., Dorić J.: Pобољшanje koeficijenta punjenja motora SUS primenom usisne grane promenljive dužine, Traktori i pogonske mašine, 2016, Vol. 21, No 2/3, pp. 19-26, ISSN 0354-9496, UDK: 657.474
4. Ružić D., Simikić M.: Konstruktivne mere za poboljšanje toplotne ergonomije kabina poljoprivrednih traktora i radnih mašina Agricultural tractor and mobile machinery cab design solutions to improve the thermal ergonomics , Traktori i pogonske mašine, 2016, Vol. 21, No 5, pp. 7-12, ISSN 0354-9496, UDK: 657.474
5. Ružić D., Stojić B., Galamboš S., Milisavić P.: Dinamičke karakteristike poljoprivredne samohodne radne mašine od značaja za eksploatacionu bezbednost Dynamic characteristics of self-propelled agricultural mobile machine relevant for operational safety , Traktori i pogonske mašine, 2016, Vol. 21, No 2/3, pp. 58-62, ISSN 0354-9496, UDK: 657.474
6. Vujičić L., Dorić J.: Dinamička analiza klipnog mehanizma motora SUS primenom računaram podržanih tehnologija, Traktori i pogonske mašine, 2016, Vol. 21, No 2/3, pp. 27-33, ISSN 0354-9496, UDK: 657.474

#### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Ružić D., Stojić B., Milisavić P.: Konstruktivne karakteristike poljoprivredne samohodne radne mašine od značaja za bezbednost u radu i u saobraćaju Design features of farm self-propelled working machine relevant for working and traffic safety , 13. Nacionalna konferencija sa međunarodnim učešćem o zaštiti na radu-Unapređenje sistema zaštite na radu, Tara, 27-30 Oktobar, 2016, pp. 176-183

#### Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

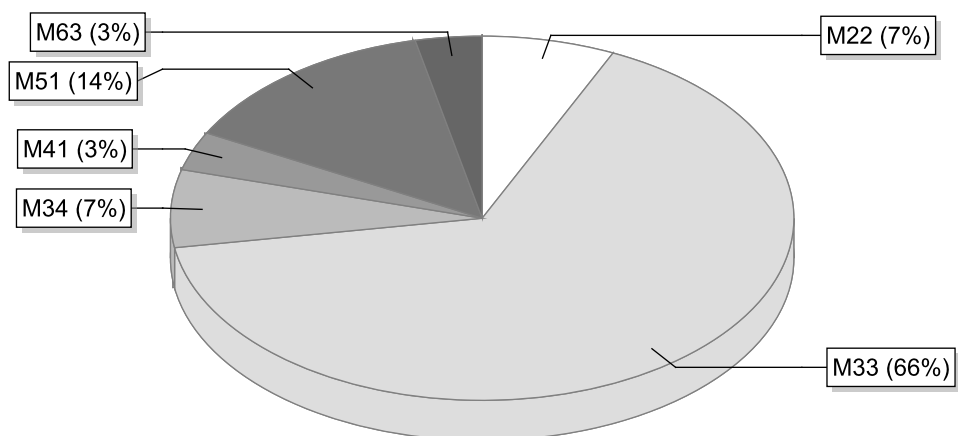
1. Dorić J.: Unconventional double acting piston internal combustion engine 2016/1105, Beograd, Zavoz za intelektualnu svojinu Republike Srbije, 2016, str. 1-13, ISBN 2016/0347

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske elemente, teoriju mašina i mehanizama

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	19
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Istaknuta monografija nacionalnog značaja	M41	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1





## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Čavić M., Penčić M., Zlokolica M.: Adaptive Continuously Variable Transmission Used for Maintaining Stationary Regime of Driving Machine, *Thermal Science*, 2016, Vol. 20, No 2 (Suppl.), pp. 525-536, ISSN 0354-9836, UDK: 621, DOI: 10.2298/TSCI151004035C
2. Penčić M., Borovac B., Kovačević D., Čavić M.: Development of the Multi-Segment Lumbar Spine for Humanoid Robots, *Thermal Science*, 2016, Vol. 20, No 2 (Suppl.), pp. 581-590, ISSN 0354-9836, UDK: 621, DOI: 10.2298/TSCI151005040P

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Corciova F., Voinea G., Marcu A., Knežević I., Rackov M.: Development and Manufacturing of Sensor Cases for MEMS Inertial Measurement Units, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: University of Novi Sad, Faculty of Technical Sciences, Serbia / Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Slovakia, 9-12 Jun, 2016, pp. 137-142, ISBN 978-86-7892-821-5
2. Čavić M., Penčić M., Đoković J., Zlokolica M.: Comparative Analysis of the Loader Bucket Mechanisms, 48. INTERNATIONAL OCTOBER CONFERENCE on Mining and Metallurgy, Bor: Technical Faculty in Bor, Serbia, 28-1 Septembar, 2016, pp. 184-187, ISBN 978-86-6305-047-1
3. Čavić M., Penčić M., Đoković J., Zlokolica M.: Optimal Synthesis of the Loader Bucket Mechanism, 8. International Scientific and Expert Conference (TEAM), Trnava: Faculty of Materials Science and Technology in Trnava, Slovakia, 19-21 Oktobar, 2016, pp. 35-40, ISBN 978-80-8096-237-1
4. Čavić M., Penčić M., Rackov M., Knežević I., Zlokolica M.: Dynamic Analysis of the Thermoforming Machine Working Mechanism, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Faculty of Mechanical Engineering in East Sarajevo, B&H, 7-9 Decembar, 2016, pp. 177-184, ISBN 978-99976-623-7-8
5. Čavić M., Penčić M., Rackov M., Zlokolica M.: Dynamic Optimization of the Pulse Continuously Variable Transmission, 5. International Conference on Power Transmissions, Ohrid: Faculty of Mechanical Engineering in Skopje, Macedonia, 5-8 Oktobar, 2016, pp. 123-131, ISBN 978-608-4624-25-7
6. Čavić M., Penčić M., Zlokolica M.: Analysis of the Mechanism of Complex Structures with High Class Kinematic Group, 8. International Scientific and Expert Conference (TEAM), Trnava: Faculty of Materials Science and Technology in Trnava, Slovakia, 19-21 Oktobar, 2016, pp. 41-46, ISBN 978-80-8096-237-1
7. Čavić M., Penčić M., Zlokolica M.: Structural Synthesis of the Manipulator of the Thermoforming Machine, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of Technical Sciences in Novi Sad, Serbia, 9-12 Jun, 2016, pp. 41-44, ISBN 978-86-7892-821-5
8. Čavić M., Penčić M., Zlokolica M.: Torque Vectoring Differential, 20. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Mediterranean Cruise: Faculty of Mechanical Engineering in Zenica, B&H, 24-1 Septembar, 2016, pp. 253-256, ISBN ISSN 1840-4944
9. Kuzmanović S., Rackov M., Knežević I.: Analysis of Selection Procedures of Universal Worm Gear Units, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: University of Novi Sad, Faculty of Technical Sciences, Serbia / Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Slovakia, 9-12 Jun, 2016, pp. 73-78, ISBN 978-86-7892-821-5
10. Kuzmanović S., Rackov M., Knežević I.: Mechanical Gear Transmissions Nowadays, 5. International Conference on Power Transmissions, Ohrid: Faculty of Mechanical Engineering, 5-8 Oktobar, 2016, pp. 39-46, ISBN 978-608-4624-25-7
11. Kuzmanović S., Rackov M., Vereš M.: Analysis of Requirements Corresponding to Development of Modern Products, 4. International Scientific Conference on Advances in Mechanical Engineering - ISCAME, Debrecen: University of Debrecen, Faculty of Engineering, Department of Mechanical Engineering, Debrecen, Hungary, 13-15 Oktobar, 2016, pp. 293-301, ISBN 978-963-473-944-9
12. Penčić M., Čavić M., Borovac B.: Analysis of Mechanisms for Achieving Different Ways of Power Transmission and Motion of the Anthropomorphic Robots Upper Body, 5. International Conference on Power Transmissions, Ohrid: Faculty of Mechanical Engineering in Skopje, Macedonia, 5-8 Oktobar, 2016, pp. 115-122, ISBN 978-608-4624-25-7
13. Penčić M., Čavić M., Borovac B.: Comparative Synthesis of the Shrug Mechanisms for Humanoid Robots,

20. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Mediterranean Cruise: Faculty of Mechanical Engineering in Zenica, B&H, 24-1 Septembar, 2016, pp. 249-252, ISBN ISSN 1840-4944
14. Penčić M., Čavić M., Rackov M., Borovac B., Lu Z.: Optimization of Planetary Gear Trains with Spur, Helical and Double Helical Gears, 8. International Scientific and Expert Conference (TEAM), Trnava: Faculty of Materials Science and Technology in Trnava, Slovakia, 19-21 Oktobar, 2016, pp. 29-34, ISBN 978-80-8096-237-1
  15. Penčić M., Čavić M., Savić S., Borovac B.: Comparative Analysis of the Shrug Mechanisms for Humanoid Robots, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN Society, Belgrade, Serbia, 13-16 Jun, 2016, pp. 1-5, ISBN 978-86-7466-618-0
  16. Penčić M., Čavić M., Zlokolica M.: Analysis of the Conceptual Solutions of Biomass Pellet Mill, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: Faculty of Technical Sciences in Novi Sad, Serbia, 9-12 Jun, 2016, pp. 45-48, ISBN 978-86-7892-821-5
  17. Penčić M., Savić S., Čavić M., Borovac B., Lu Z.: Development of the Lower Body of Assistive Humanoid Robot MARKO, 8. International Scientific and Expert Conference (TEAM), Trnava: Faculty of Materials Science and Technology in Trnava, Slovakia, 19-21 Oktobar, 2016, pp. 23-28, ISBN 978-80-8096-237-1
  18. Rackov M., Kanović Ž., Čavić M., Penčić M., Kuzmanović S., Knežević I., Vereš M.: Adopting Suitable HCR Tooth Flank Geometry in Order to Increase the Resistance of Scuffing, 5. International Conference on Power Transmissions, Ohrid: Faculty of Mechanical Engineering, 5-8 Oktobar, 2016, pp. 47-54, ISBN 978-608-4624-25-7
  19. Rackov M., Knežević I., Kuzmanović S., Čavić M., Penčić M., Ianici S.: Proposal of Assessment Method of Different Quality Solutions of Universal Gear Reducers, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Faculty of Mechanical Engineering in East Sarajevo, 7-9 Decembar, 2016, pp. 301-308, ISBN 978-99976-623-7-8

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Čavić M., Zlokolica M., Penčić M., Rackov M., Knežević I.: Optimal Synthesis of the Sower for the Precise Organic Agriculture, 1. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016, Novi Sad: Faculty of Sciences in Novi Sad, Serbia, 19-21 Septembar, 2016, pp. 280-281, ISBN 978-86-7031-364-4
2. Knežević I., Čavić M., Zlokolica M., Penčić M., Rackov M., Bojić S., Surčinski J.: Synthesis of the Mechanism for Configuration Change of the Seedbed Cultivator, 1. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016, Novi Sad: Faculty of Sciences, 19-21 Septembar, 2016, pp. 282-282, ISBN 978-86-7031-364-4

Spisak rezultata M41 - Istaknuta monografija nacionalnog značaja

1. Zeljković M., Tabaković S., Milojević Z., Živković A., Navalušić S.: Savremeni prilazi u razvoju proizvoda specifične namene, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Edicija tehničke nauke – monografije, 2016, ISBN 978-86-7892-854-3

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Milojević Z., Tabaković S., Vičević M., Obradović M., Vranješ M., Milankov M.: THE TIBIAL APERTURE SURFACE ANALYSIS IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION PROCESS, Medicinski pregled, 2016, Vol. 69, No 3-4, pp. 99-105, ISSN 0025-8105, UDK: 61(497.1)
2. Milojević Z., Tabaković S., Zeljković M., Živković A.: Free form shape modelling by hand movement in virtual environment, Machine Design, 2016, Vol. 8, No 4, pp. 165-170, ISSN 1821-1259
3. Movrin D., Penčić M., Dudić S., Čavić M., Milutinović M., Vilotić D.: Experimental Investigation of Contact Conditions in Tube End Forming Process by Tapering, Journal for Technology of Plasticity, 2016, Vol. 41, No 2, pp. 45-53, ISSN 0354-3870, UDK: 621.7
4. Živanović S., Tabaković S., Zeljković M., Milojević Z.: Configuring a machine tool based on hybrid O-X glide mechanism, Machine Design, 2016, Vol. 8, No 4, pp. 141-148, ISSN 1821-1259

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

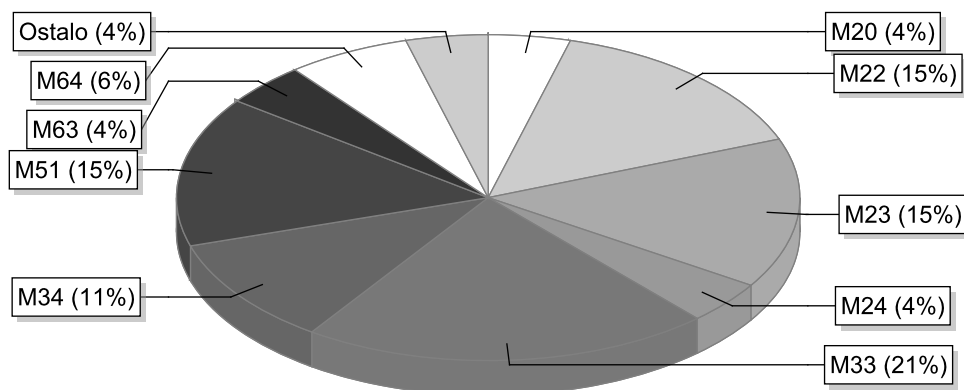
1. Tabaković S., Zeljković M., Grujić J., Živković A., Bojanić M., Sekulić J.: Računarsko modelovanje nadlaktice, 13. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, 18-20 Mart, 2015, ISBN 978-99955-763-6-3

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku i procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u istaknutom međunarodnom časopisu	M22	7
Rad u međunarodnom časopisu	M23	7
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	5
Rad u vodećem časopisu nacionalnog značaja	M51	7
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	3

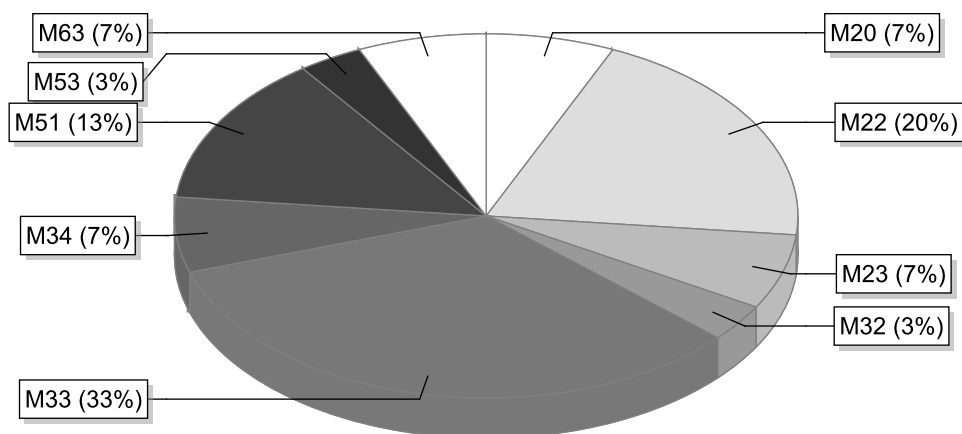


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za toplotnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u istaknutom međunarodnom časopisu	M22	6
Rad u međunarodnom časopisu	M23	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Anđelković A., Mujan I., Dakić S.: Experimental validation of a EnergyPlus model: Application of a multi-storey naturally ventilated double skin facade, *Energy and Buildings*, 2016, Vol. 118, No 4/2016, pp. 27-36, ISSN 0378-7788
2. Kljajić M., Anđelković A., Mujan I.: Assessment of relevance of different effects in energy infrastructure revitalization in non-residential buildings, *Energy and Buildings*, 2016, Vol. 116, pp. 684-693, ISSN 0378-7788

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Anđelković A., Petrović J., Kljajić M.: DOUBLE OR SINGLE SKIN FAÇADE IN A MODERATE CLIMATE An EnergyPlus Assessment, *Thermal Science*, 2016, Vol. 20, No Supplement 5, pp. 1501-1510, ISSN 0354-9836
2. Anđelković A.: Sensitivity analysis for daily building operation from the energy and comfort standpoint, *Thermal Science*, 2016, Vol. 20, No Supplement 5, pp. 1485-1500, ISSN 0354-9836
3. Doder Đ., Miljković B., Stepanov B., Pešenjanski I.: Adapting the Forchheimer equation for the flow of air through wheat straw beds, *Thermal Science*, 2016, ISSN 0354-9836
4. Guteša M., Gvozdenac Urošević B., Grković V.: Energy and economic effects of CHP with combined technologies of corn cobs gasification and gas turbines, *Thermal Science*, 2016, Vol. 20, No sup. 2, pp. 343-354, ISSN 0354-9836
5. Kljajić M., Anđelković A., Gvozdenac D.: Viability analysis of heat recovery solution for industrial process of roasting coffee, *Thermal Science*, 2016, Vol. 20, No Supplement 2, pp. 623-637, ISSN 0354-9836
6. Petrović J., Medojević M., Mujan I.: Energy indicators for public buildings in Autonomous Province of Vojvodina with focus on healthcare, educational and administrative buildings, *Thermal Science*, 2016, Vol. 20, No Supplement 2, pp. 331-342, ISSN 0354-9836, UDK: DOI:10.2298/TSCI151005020P

### Spisak rezultata M23 - Rad u međunarodnom časopisu

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2. Čeranić M., Kosanić T., Đuranović D., Kaluđerović Ž., Đurić S.: Experimental Investigation of Corn Cob Pyrolysis, *Journal of Renewable and Sustainable Energy*, 2016, Vol. 8, ISSN 1941-7012

### Spisak rezultata M32 - Predavanje po pozivu sa međunarodnog skupa štampano u izvodu

1. Medojević M.: IdeaLab: Fostering entrepreneurship and open innovation among students in University industry collaboration, 1. Engineering for Sustainable Development Forum, Granada, 29-30 Septembar, 2016

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Cvetković N., Medojević M., Morača S.: Supporting education of engineers of 2020 through triple helix model, 6. Technics and Informatics in Education - TIE, Čačak: Faculty of Technical Sciences (Čačak), 28-29 Maj, 2016, pp. 373-378, ISBN 978-86-7776-192-9, UDK: 001.895:62]:378.4
2. Medojević M., Čosić I., Sremčev N., Lazarević M.: Conceptual theoretical model for life cycle energy analysis of photovoltaic modules, 27. DAAAM International Symposium on Intelligent Manufacturing and Automation, Mostar: DAAAM International, 26-29 Oktobar, 2016, pp. 534-543, ISBN 978-3-902734-08-2, UDK: DOI: 10.2507/27th.daaam.proceedings.079
3. Medojević M., Medojević M., Petrović J., Delić M.: Energy Consumption Indicators of Public Facilities in AP Vojvodina With Focus on Human Factor and Factors Influencing Energy-Saving Behavior of Employees, 6. ASHRAE International Conference on Energy Research and Development, Kuwait: ASHRAE, 14-16 Mart, 2016, pp. 17-25, ISBN 978-1-939200-22-8
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8. Stanisavljević A., Katić V., Popadić B., Dumnić B., Kovačević I.: Voltage dips detection in a system with grid-tie inverter, 18. European Conference on Power Electronics and Applications, Karlsruhe: European Power Electronics and Drives Association & the Institute of Electrical and Electronics Engineers (IEEE), 5-9 Septembar, 2016, pp. 1-10, ISBN 9789075815252
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Cvetković N., Medojević M., Morača S.: Supporting education of Engineers of 2020 through Triple Helix model, 6. Technics and Informatics in Education - TIE, Čačak: Faculty of Technical Sciences (Čačak), 28-29 Maj, 2016, pp. 50-51, ISBN 978-86-7776-191-2
2. Medojević M., Sremčev N., Morača S., Medojević M., Cvetković N.: Remote laboratory concepts: a conceptual model of remote laboratory for solar energy engineering, 6. Technics and Informatics in Education - TIE, Čačak: Faculty of Technical Sciences (Čačak), 28-29 Maj, 2016, ISBN 978-86-7776-191-2

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Anđelković A.: Optimization of HVAC system operation based on a dynamic simulation tool , The REHVA European HVAC Journal, 2016, Vol. 53, No 6/2016, pp. 56-62, ISSN 1307-3729
2. Ćeranić M., Kosanić T., Pilić V., Đurić S.: Sastav koksnog ostatka dobijenog procesom pirolize poljoprivredne i drvne biomase, Termotehnika, 2016, Vol. 62, No 1, pp. 85-90, ISSN 0350-218X
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4. Medojević M., Petrović J., Medić N., Medojević M.: Tehnologije proizvodnje vodonika korišćenjem solarne energije, Tehnika, 2016, Vol. 71, No 1, pp. 70-78, ISSN 0040-2176

Spisak rezultata M53 - Rad u naučnom časopisu

1. Stanisavljević A.: УТИЦАЈ ДИСТРИБУТИВНИХ ГЕНЕРАТОРА И КОНДЕНЗАТОРА НА ВРЕДНОСТ СТРУЈЕ КВАРА ПО ИЕЦ И ИЕЕЕ СТАНДАРДИМА IMPACT OF DISTRIBUTED GENERATORS AND CAPACITORS ON THE FAULT CURRENT VALUE ACCORDING TO IEC AND IEEE STANDARDS, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 27, No 12/2012, pp. 2470-2473, ISSN 0350-428X, UDK: 621.316.925

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

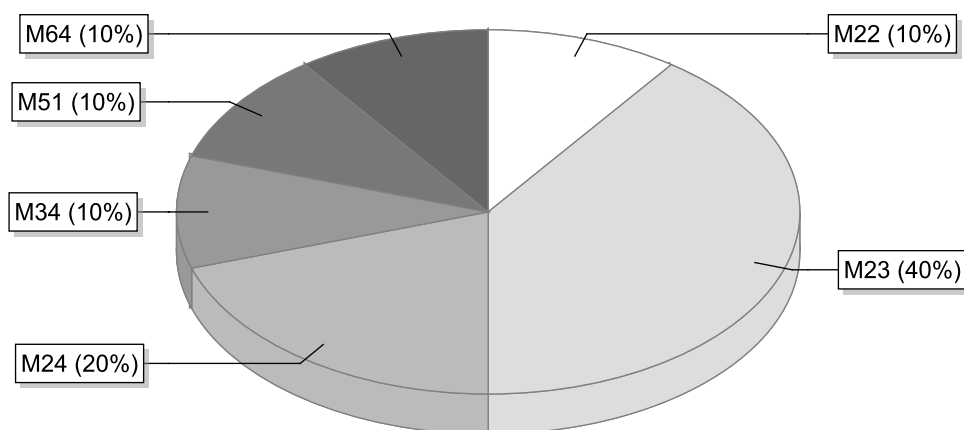
1. Medojević M., Medojević M., Medić N., Lazarević M., Sremčev N.: Climate Consultant as a Tool to Determine and Achieve Thermal Comfort Conditions in Buildings: a Case Study for the City of Belgrade, 12. Regionalna konferencija Životna sredina ka Evropi, Beograd: Ambasadori održivog razvoja i životne sredine, 6 Jun, 2016, pp. 128-132, ISBN 978-86-89961-05-8
2. Stanisavljević A., Milićević S., Katić V., Kovačević I.: Položaj asistenata u nastavnom procesu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 211-2013, ISBN 987-86-7892-795-9

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	4
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Doder Đ., Miljković B., Stepanov B., Pešenjanski I.: Adapting the Forchheimer equation for the flow of air through wheat straw beds, *Thermal Science*, 2016, ISSN 0354-9836

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Golub M., Martinov M., Bojić S., Višković M., Đatkov Đ., Dragutinović G., Dallemand J.: Investigation on Possibilities for Sustainable Provision of Corn Stover as an Energy Source: Case Study for Vojvodina., *AMA - Agricultural Mechanization in Asia, Africa and Latin America*, 2016, Vol. 47, No 4, pp. 8-15, ISSN 0084-5841
2. Govedarica D., Šećerov Sokolović R., Govedarica (Borota) O., Sokolović D., Sinadinović-Fišer S.: Separation of oil-in-water emulsions by flow through fiber beds: A response surface approach, *Chemical Industry & Chemical Engineering Quarterly / CI&CEQ*, 2016, Vol. 22, No 3, pp. 309-318, ISSN 1451-9372, UDK: DOI:10.2298/CICEQ150604045G
3. Kiralj A., Vulić (rođ. Gelei) T., Sokolović D., Šećerov Sokolović R., Dugić P., Dugić P.: Separation of oil drops from water using stainless steel fiber bed, *Chemical Industry & Chemical Engineering Quarterly / CI&CEQ*, 2016, ISSN 1451-9372, UDK: DOI:10.2298/CICEQ160610041K
4. Kiralj A., Vulić (rođ. Gelei) T., Sokolović D., Šećerov Sokolović R., Dugić P.: Separation of oil drops from water using stainless steel fiber bed, *Chemical Industry & Chemical Engineering Quarterly / CI&CEQ*, 2016, ISSN 1451-9372, UDK: DOI:10.2298/CICEQ160610041K

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Sokolović D., Vulić (rođ. Gelei) T., Kiralj A., Hadnađev-Kostić M., Sokolović S., Sokolović S.: Separation Efficiency of Two Waste Polymer Fibers for Oily Water Treatment, *Acta Periodica Technologica*, 2016, No 47, pp. 167-174, ISSN 1450-7188, UDK: 54:66:664:615
2. Sokolović D., Vulić (rođ. Gelei) T., Kiralj A., Hadnađev-Kostić M., Sokolović S.: Separation Efficiency of Two Waste Polymer Fibers for Oily Water Treatment, *Acta Periodica Technologica*, 2016, No 47, pp. 167-174, ISSN 1450-7188, UDK: 54:66:664:615

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kiralj A., Sokolović D., Sokolović S., Hadnađev-Kostić M.: Investigation of stainless steel as filter media for oil droplets separation from water, 3. International Congress "Food Technology, Quality and Safety" and XVII International Symposium "Feed Technology", Novi Sad: University of Novi Sad, Institute of Food Technology, 25-27 Oktobar, 2016, pp. 228-228, ISBN 978-86-7994-049-0

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Milojević Z., Tabaković S., Vičević M., Obradović M., Vranješ M., Milankov M.: THE TIBIAL APERTURE SURFACE ANALYSIS IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION PROCESS, *Medicinski pregled*, 2016, Vol. 69, No 3-4, pp. 99-105, ISSN 0025-8105, UDK: 61(497.1)

### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Đaković D., Doder Đ.: Wood drying in terms of energy efficiency improvement, 10. Međunarodni forum o čistim energetske tehnologijama, Novi Sad, 27-28 Septembar, 2016, pp. 1-4

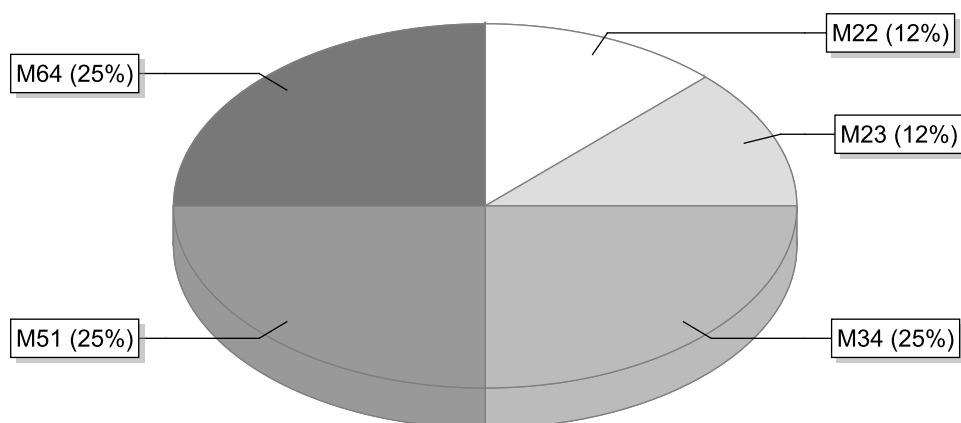


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehaniku fluida i hidropneumatske sisteme

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Bikić S., Uzelac D., Bukurov M., Radojčin M., Pavkov I.: Experimental calibration of the mathematical model of air torque position dampers with non-cascading blades, Thermal Science, 2016, Vol. 20, No 2, pp. 567-578, ISSN 0354-9836, UDK: 621

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Nikolić S., Bukurov M., Erić D., Stanković J.: Mergers and Acquisitions in the reflection of soap bubbles, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 6, pp. 1805-1812, ISSN 1330-3651, UDK: 10.17559/TV-20150605083707

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Bikić S., Bukurov M., Marković B., Pavkov I., Radojčin M.: Matematički model ATP dampera sa jednom lopaticom, 1. Nacionalna konferencije procesna tehnika i energetika u poljoprivredi PTEP, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, 17-22 April, 2016, ISBN 1821-4487
2. Bukurov M., Bikić S., Marković B.: Analiza stanja gasnih kotlova u Vojvodini, 1. Procesna tehnika i energetika u poljoprivredi – PTEP 2016, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi/ National Society of Processing and Energy in Agriculture, 17-22 April, 2016, ISBN 1821-4487

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bikić S., Bukurov M., Marković B., Radojčin M., Pavkov I.: THE MATHEMATICAL MODEL OF AIR TORQUE POSITION DAMPERS WITH SINGLE BLADE, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 2, pp. 81-86, ISSN 1821-4487, UDK: 66.047.55
2. Bukurov M., Bikić S., Marković B.: EFFICIENCY AND MANAGEMENT OF GAS BOILERS IN PUBLIC BUILDINGS IN VOJVODINA, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 2, pp. 87-92, ISSN 1821-4487, UDK: 697.326

### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

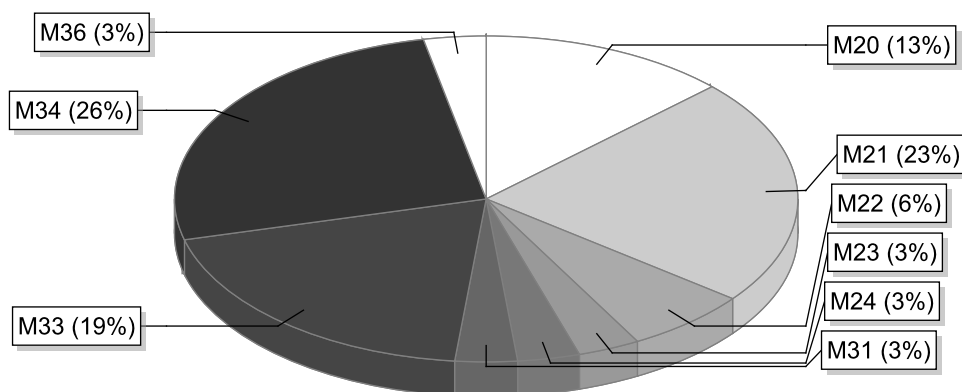
1. Bikić S., Bukurov M., Marković B., Pavkov I., Radojčin M.: Matematički model ATP dampera sa jednom lopaticom, 17. PROCESNA TEHNIKA I ENERGETIKA U POLJOPRIVREDI - PTEP, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, 17-22 April, 2016, ISBN 978-86-7520-367-4
2. Bukurov M., Bikić S., Marković B.: ANALIZA STANJA GASNIH KOTLOVA U VOJVODINI / ANALYSIS OF THE SITUATION OF GAS BOILERS IN VOJVODINA, PTEP 2016, Borsko jezero, 17 - 22.04.2016., 17. PROCESNA TEHNIKA I ENERGETIKA U POLJOPRIVREDI - PTEP, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, 17-22 April, 2016, ISBN 978-86-7520-367-4

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	4
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1

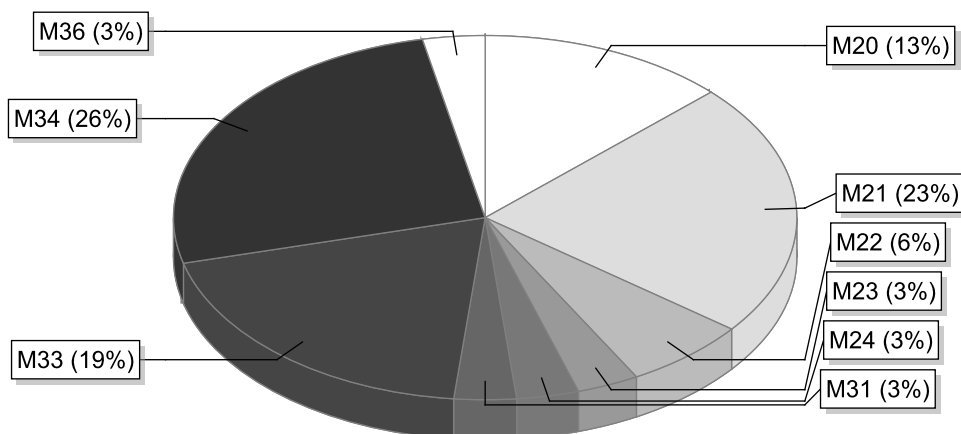


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	4
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Machado J., Mainardi ., Kiryakova V., Atanacković T.: FRACTIONAL CALCULUS: D'OU VENONS-NOUS? QU SOMMES-NOUS? OU ALLONS-NOUS?, Fractional Calculus and Applied Analysis, 2016, Vol. 19, No 5, pp. 1074-1104, ISSN 1311-0454
2. Kovinčić N., Spasić D.: Dynamics of a middle ear with fractional type of dissipation, Nonlinear Dynamics, 2016, Vol. 85, No 4, pp. 2369-2388, ISSN 0924-090X
3. Rakarić Z., Kovačić I.: Mechanical manifestations of bursting oscillations in slowly rotating systems, Mechanical Systems and Signal Processing, 2016, Vol. 81, pp. 35-42, ISSN 0888-3270
4. Spasić D., Kovinčić N., Dankuc D.: A new material identification pattern for the fractional Kelvin–Zener model describing biomaterials and human tissues, Communications in Non-linear Science and Numerical Simulation, 2016, Vol. 37, pp. 193-199, ISSN 1007-5704

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Atanacković T., Konjik S., Pilipović S., Zorica D.: Complex order fractional derivatives in viscoelasticity, Mechanics of Time-dependent Materials, 2016, Vol. 20, pp. 175-195, ISSN 1385-2000
2. Cvetičanin L.: Amplitude-frequency relationship obtained using Hamiltonian approach for oscillators with sum of non-integer order nonlinearities, Applied Mathematics and Computation, 2016, Vol. 291, pp. 162-171, ISSN 0096-3003
3. Cvetičanin L.: Dynamic characterization and simulation of two-link soft robot arm with pneumatic muscles, Mechanism and Machine Theory, 2016, Vol. 103, pp. 98-116, ISSN 0094-114X
4. Cvetičanin L.: Jacobi elliptic functions: A review of nonlinear oscillatory application problems, Journal of Sound and Vibration, 2016, Vol. 380, pp. 1-36, ISSN 0022-460X
5. Konjik S., Atanacković T., Pilipović S., Janev M.: Wave equation for generalized Zener model containing complex order fractional derivatives, Continuum Mechanics and Thermodynamics, 2016, ISSN 0935-1175, UDK: 10.1007/s00161-016-0548-4
6. Kovačić I., Cvetičanin L., Zuković M., Rakarić Z.: Jacobi elliptic functions: a review of nonlinear oscillatory application problems, Journal of Sound and Vibration, 2016, Vol. 380, pp. 1-36, ISSN 0022-460X
7. Rakarić Z., Kovačić I., Cartmell M.: On the design of external excitations in order to make nonlinear oscillators respond as free oscillators of the same or different type, 10.1016/j.ijnonlinmec.2016.06.012, in press, International Journal of Nonlinear Mechanics, 2016, ISSN 0020-7462

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Cvetičanin L.: Oscillators with symmetric and asymmetric quadratic nonlinearity, Acta Mechanica, 2016, Vol. 227, pp. 1727-1742, ISSN 0001-5970
2. Petronijević B., Šarčev I., Zorica D., Janev M., Atanacković T.: Fractional two compartmental model for articaïne serum levels, Heat and Mass Transfer, 2016, Vol. 52, pp. 1125-1130, ISSN 0947-7411

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Cvetičanin L.: Theory of acoustic metamaterials and metamaterial beams: An overview, Acta Polytechnica Hungarica, Journal of Applied Sciences, 2016, Vol. 13, pp. 43-62, ISSN 1785-8860

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Ožvat S.: BENDING VIBRATION AND STABILITY OF A MULTIPLE-NANOBEAM SYSTEM INFLUENCED BY TEMPERATURE CHANGE, Facta universitatis - series: Mechanical Engineering, 2016, Vol. 14, No 1., pp. 75-88, ISSN 0354-2025, UDK: 534.1

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Atanacković T.: Viscoelasticity containing real and complex order fractional derivatives, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad, 2016, pp. 1-10

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Cvetičanin L.: Theory of acoustic metamaterials: An overview, 25. International Conference on Noise and Vibration, Tara, 26-28 Oktobar, 2016, pp. 1-6
2. Grahovac N., Žigić M., Okuka A., Spasić D.: On creep/recovery and pulse heating models, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad: Faculty of technical sciences and Serbian society of mechanics, 2016, pp. 582-585, ISBN 978-86-7892-830-7

3. Mikov M., Goločorbin-Kon S., Grahovac N., Žigić M., Spasić D.: The influence of 12-monoketocholic acid on methotrexate oral absorption in the rat by means of fractional calculus, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad: Faculty of technical sciences and Serbian society of mechanics, 2016, pp. 146-149, ISBN 978-86-7892-830-7
4. Novaković B.: ON THE POST-CRITICAL BEHAVIOUR OF AN OPTIMALLY SHAPED ELASTIC COLUMN, 4. Savremena dostignuća u građevinarstvu, Subotica: Univerzitet u Novom Sadu, Građevinski fakultet Subotica, 22-23 April, 2016, pp. 331-340, ISBN 978-86-80297-63-7, UDK: 539.31
5. Rakarić Z., Kovačić I.: Bursting oscillations in nonlinear oscillators with slowly varying excitation, 5. International Conference on Nonlinear Dynamics ND-KhPI2016, Kharkov, 27-30 Septembar, 2016, pp. 1-8
6. Žigić M., Spasić D., Okuka A., Grahovac N.: Dynamics of structures with viscoelastic and friction dampers, 4. Savremena dostignuća u građevinarstvu, Subotica: Građevinski fakultet Subotica, 22-23 April, 2016, pp. 259-267, ISBN 978-86-80297-63-7, UDK: 624.042.8

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Atanacković T., Bouras Y., Zorica D.: Beck's column on Winkler foundation modelled by non-local and hereditary constitutive equation, 1. EMI International Conference, Metz, 25-27 Oktobar, 2016
2. Grahovac N., Žigić M.: Fractional derivative model of a vehicle frontal impact, 4. Contemporary Problems of Mathematics, Mechanics and Informatics, Novi Pazar, 19-21 Jun, 2016
3. Kolarović J., Žigić M., Grahovac N., Mikov M., Spasić D.: On fractional methotexate deposition/restoring model in the presence of pleural effusion, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad: Faculty of technical sciences and Serbian society of mechanics, 2016, pp. 901-902, ISBN 978-86-7892-830-7
4. Kovačić I., Radomirović D., Zuković M., Benka P., Nikolić M.: Biomechanical parameterization of trunk-dominated trees, 1. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016, Novi Sad, 19-21 Septembar, 2016
5. Kovačić I., Zuković M., Radomirović D., Benka P., Nikolić M.: Oscillations of trees caused by different types of excitation: an analysis of experimental results obtained by using a 3D motion capture system, 2. Annual Main Meeting of the Society for Experimental Biology - SEB, Brighton, 4-7 Jul, 2016
6. Kovačić I., Zuković M.: Effects of an arbitrary real elliptic parameter on stability charts of undamped and damped oscillators with elliptic-type parametric excitation, 3. International Conference on Structural Nonlinear Dynamics and Diagnosis, Marakesh, 23-25 Maj, 2016
7. Okuka A., Grahovac N., Žigić M., Spasić D.: A seismic protection system comprising an active device, fractional damping and dry friction, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad: Faculty of technical sciences and Serbian society of mechanics, 2016, ISBN 978-86-7892-830-7
8. Zorica D., Pilipović S., Atanacković T., Oparnica Lj., Janev M., Hoermann G.: Zener wave equation: hereditary and non-local effects, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad, 2016

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

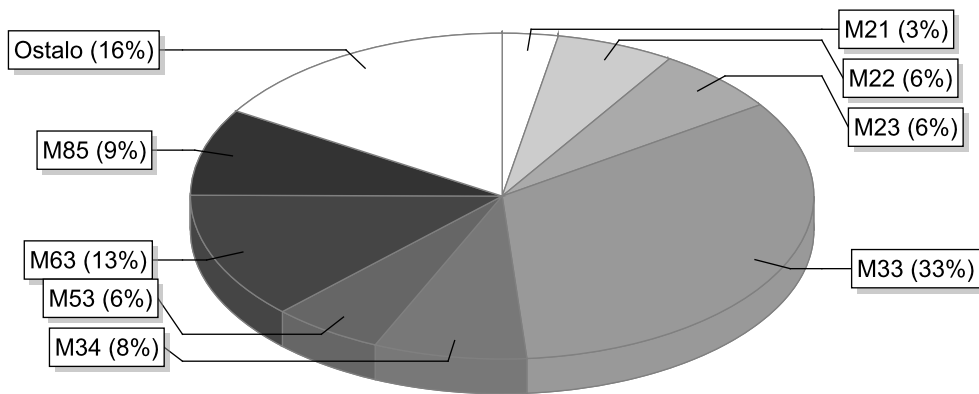
1. Spasić D., Grahovac N., Žigić M., Rapaić M., Atanacković T.: Proceedings International Conference on Fractional Differentiation and its Applications Novi Sad, Serbia, July 18 - 20, 2016, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad: Faculty of technical sciences and Serbian society of mechanics, 2016, ISBN 978-86-7892-830-7

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku, elektroniku i telekomunikacije

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	3
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	7
Rad u vrhunskom međunarodnom časopisu	M21	8
Rad u istaknutom međunarodnom časopisu	M22	17
Rad u međunarodnom časopisu	M23	18
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	4
Uređivanje međunarodnog naučnog časopisa	M28	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	92
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	22
Autorizovana diskusija sa međunarodnog skupa	M35	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	2
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	16
Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	35
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Odbranjena doktorska disertacija	M71	7
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	3
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	24
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	3



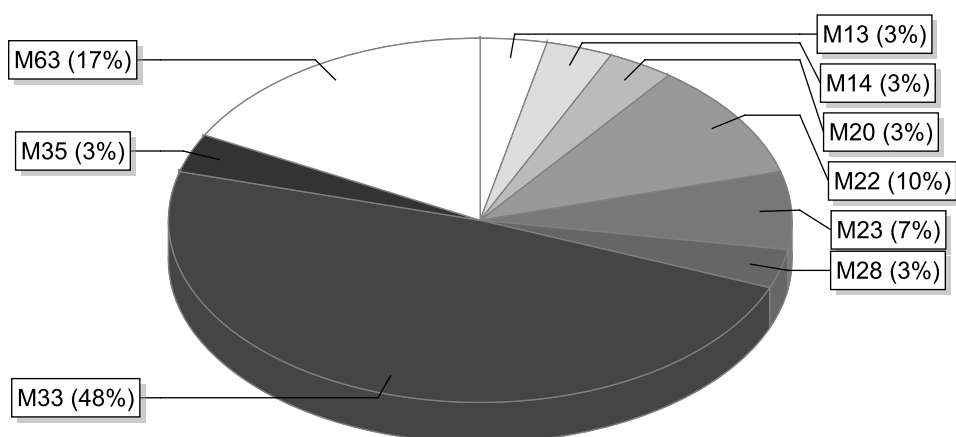


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektroenergetiku i primenjeni softverski inženjering

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	2
Uređivanje međunarodnog naučnog časopisa	M28	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Autorizovana diskusija sa međunarodnog skupa	M35	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Stanković A., Sarić A.: Chapter 4: New Methodologies for Large-Scale Power System Dynamic Analysis, Book: Wide Area Monitoring, Protection and Control Systems: The Enabler for Smarter Grids (Editors: A. Vaccaro and A. F. Zobaa, The Institution of Engineering and Technology, Michael Faraday House, Six Hills Way, Stevenage Herts. SG1 2AY, UK, 2016, str. 85-134, ISBN 978-1-84919-830-1

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Lendak I.: Mobile crowd-sensing in the Smart City, London, Ubiquity Press., 2016, str. 353-369, UDK: <http://dx.doi.org/10.5334/bax.z>

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Stanković A., Sarić A.: Dynamic Voltage Stability Assessment in Large Power Systems with Topology Control Actions, IEEE Transactions on Power Systems, 2016, Vol. 31, No 4, pp. 2892-2902, ISSN 0885-8950

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Dimitrijević D., Obradović Đ., Nedić N., Luković I.: Automatic idiopathic scoliosis screening using low-cost commodity sensors, Journal of Intelligent and Fuzzy Systems, 2016, Vol. 31, No 4, pp. 2073-2082, ISSN 1064-1246, UDK: DOI:10.3233/JIFS-169046
2. Selakov A., Bekut D., Sarić A.: A Novel Agent-based Microgrid Optimal Control for Grid-Connected, Planned Island and Emergency Island Operations, International Transactions on Electrical Energy Systems, 2016, Vol. 26, No 9, pp. 1999-2022, ISSN 2050-7038
3. Švenda G., Strezoski V., Kanjuh S.: Reallife distribution state estimation integrated in the distribution management system, International Transactions on Electrical Energy Systems, 2016, pp. 1-16, ISSN 2050-7038, UDK: 10.1002/etep.2296

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Dalčeković N., Vukmirović S., Stoja S., Milošević N.: Enabling the IoT paradigm through multi-tenancy supported by scalable data acquisition layer, Annales des Telecommunications - Annals of Telecommunications, 2016, Vol. 1, No 12243, ISSN 0003-4347
2. Katić N.: Profitability of Smart Grid Solutions Applied in Power Grid, Thermal Science, 2016, Vol. 20, No 2, pp. 371-382, ISSN 0354-9836

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Lendak I.: International Journal of Computer Information Systems and Industrial Management Applications, International Journal of Computer Information Systems and Industrial Management Applications, 2016, ISSN 2150-7988

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Katić J., Katić N.: Analiza isplativosti implementacije pametnih sistema za upravljanje distributivnom mrežom, 9. Dani inženjera elektrotehnike Hrvatske, Pula: Hrvatska komora inženjera elektrotehnike, 29-1 Septembar, 2016, pp. 147-157
2. Katić N., Katić J.: Cost/Benefit Analysis of Utility Management Systems Implementation, 65. AMEU Convention, Johannesburg, 2-5 Oktobar, 2016
3. Katić N., Katić J.: Reduction of Non-technical Power Losses as a Significant Improvement of Utilities' Operation Efficiency, Session TAM X, 17. Electricity, Eilat: SEEEI, 9-11 Novembar, 2016
4. Lendak I., Farkas K.: How many drivers does it take to spot an OpenSpot?, 2. IEEE International Conference on Systems, Man and Cybernetics (SMC 2010), Budimpešta, 9-12 Oktobar, 2016, pp. 1-1
5. Lendak I., Kovačev N.: Algorithms for drawing weakly meshed distribution substation areas, 2. IEEE International Conference on Systems, Man and Cybernetics (SMC 2010), Budimpešta, 9-12 Oktobar, 2016, pp. 1-1
6. Lendak I., Letić M., Gavrić M., Nenadić K.: Rendering of JSON-LD CIM Profile Using Web Components, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 29-31 Avgust, 2016, pp. 1-1
7. Lendak I., Tartalja I., Ljeskovac M.: Software development for incremental integration of GIS and power network analysis system, 6. International Conference on Information Science and Technology (ICIST),

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9. Nenadić K., Gavrić M.: Enhancing CIM with linked data capability, 24. Telekomunikacioni forum TELFOR, Beograd: IEEE, 22-23 Novembar, 2016, pp. 1-4, ISBN 978-1-5090-4085-8
10. Popović Ž., Knežević S., Brbaklić B.: Optimal Number, Type and Location of Automation Devices in Distribution Networks with Distributed Generation, 1. CIRED Workshop, Helsinki, 14-15 Jun, 2016, ISBN 978-1-78561-202-2
11. Sarić A., Transtrum M., Stanković A.: Dynamic Model Estimation for Power System Areas from Boundary Measurements, 1. IEEE Power & Energy Society (PES) General Meeting, Boston: IEEE, Piscataway, New Jersey, NJ, USA, 17-21 Jul, 2016, pp. 1-6
12. Strezoski L., Katić V., Dumnić B., Prica M.: The Sub-Transient, Transient, And Steady-State Models For Three-Phase Inverter Based Distributed Generators For The Purpose Of Real-Time Short-Circuit Analysis, 10. Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion MEDPOWER, Beograd, 6-8 Novembar, 2016, pp. 1-8
13. Strezoski L., Prica M., Katić V., Dumnić B.: Short-Circuit Modeling of Inverter Based Distributed Generators Considering the FRT Requirements, 48. North American Power Symposium (NAPS),, Denver, 18-20 Septembar, 2016, ISBN 978-1-5090-3270-9, UDK: DOI: 10.1109/NAPS.2016.7747900
14. Transtrum M., Sarić A., Stanković A.: Information Geometry for Model Verification in Energy Systems, 19. Power Systems Computation Conference (PSCC), Genova, 20-24 Jun, 2016, pp. 1-6

#### Spisak rezultata M35 - Autorizovana diskusija sa međunarodnog skupa

1. Lendak I.: What is needed for crowdsensing methods to be adopted more widely? , 3. International Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer), Sydney: IEEE, 14-18 Mart, 2016

#### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

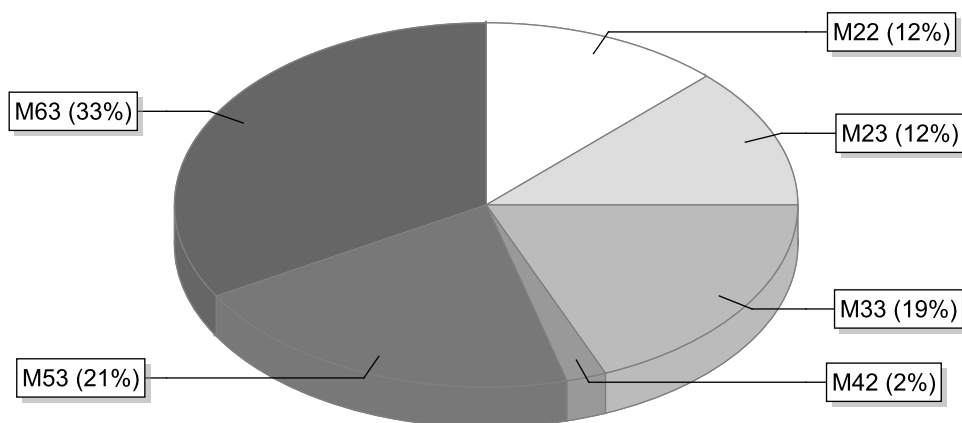
1. Katić J., Katić N.: Redukcija gubitaka snage korišćenjem ADMS optimizacionih aplikacija / Power Losses Reduction Using Advanced DMS Functions, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, UDK: CIP 621.316(497.11)(082)
2. Milošević N., Katić N.: Iskustva sa snabdevanjem potrošača pri otvaranju tržišta električne energije u Srbiji<sup>4</sup>, (Experience with Consumer supply in reference with the opening of the power market in Serbia), 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, UDK: 621.316(497.11)(082)
3. Popović Ž., Knežević S., Brbaklić B.: OPTIMALNA STRATEGIJA ZA UNAPREĐENJE POUZDANOSTI U DISTRIBUTIVNIM MREŽAMA, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016
4. Strezoski L., Katić V., Dumnić B.: Modelovanje i proračun kratkih spojeva distributivnih mreža s distribuiranim generatorima zasnovanim na trofaznim invertorima, Modeling and Short-Circuit Analysis of Distribution Systems with Large Number of Three-Phase Inverter Based Distributed Generators, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, ISBN 978-86-83171-20-0, UDK: COBISS.SR-ID 308468743
5. Strezoski V., Vojnović N., Vidović P.: Proračun nesimetričnih tokova snaga aktivnih trofaznih distributivnih mreža, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za energetska elektroniku i pretvarače

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	6
Rad u međunarodnom časopisu	M23	6
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Rad u naučnom časopisu	M53	10
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	16



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Adžić E., Porobić V., Adžić M., Ivanović Z.: Advanced Induction Motor Drive Control with Single Current Sensor, Thermal Science, 2016, ISSN 0354-9836
2. Dumnić B., Miličević D., Popadić B., Katić V., Čorba Z.: Speed-sensorless control strategy for multi-phase induction generator in wind energy conversion systems, Thermal Science, 2016, pp. 1-15, ISSN 0354-9836
3. Grabić S., Vekić M., Rapaić M.: A COMPREHENSIVE PROCEDURE FOR DEVELOPMENT OF POWER ELECTRONICS CONTROL SYSTEMS, Thermal Science, 2016, ISSN 0354-9836, UDK: 10.2298/TSCI151001026G
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5. Porobić V., Adžić E., Rapaić M.: HIL EVALUATION OF CONTROL UNIT IN GRID-TIED CONVERTERS, Thermal Science, 2016, pp. 393-406, ISSN 0354-9836, UDK: doi: 10.2298/TSCI150928025P
6. Subotić I., Bado N., Levi E., Dumnić B., Miličević D., Katić V.: An Overview of Fast On-Board Integrated Battery Chargers for Electric Vehicles Based on Multiphase Machines and Power Electronics, Accepted On line DOI: 10.1049/iet-epa.2015.0292, IET Electric Power Applications, 2016, ISSN 1751-8660

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Čorba Z., Katić V., Popadić B., Miličević D.: New String Reconfiguration Technique for Residential Photovoltaic System Generation Enhancement, Advances in Electrical and Computer Engineering, 2016, Vol. 16, No 1, pp. 19-26, ISSN 1582-7445, UDK: DOI: 10.4316/AECE.2016.01003
2. Čorba Z., Katić V.: New string reconfiguration technique for residenital PV system generation enhancement, On line, Advances in Electrical and Computer Engineering, 2016, Vol. 16, No 2, ISSN 1582-7445
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5. Mujović S., Đukanović S., Radulović V., Katić V.: Multy-parametar mathematical model for determination of PC cluster total harmonic distortion of input current, COMPEL - The international journal for computation and mathematics in electrical engineering, 2016, Vol. 35, No 1, pp. 305-325, ISSN 0332-1649
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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Popadić B., Katić V., Dumnić B., Miličević D., Čorba Z.: Battery charging methodologies with the reference to power quality characteristics, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016, pp. 1-6, ISBN 978-86-7466-618-0
2. Popović V., Gecić M., Todorović I., Oros Đ., Marčetić D.: Sensorless Control of Synchronous Reluctance Drive Based on Extended Back Electromotive Force Model, 11. INDEL, Banja Luka: Elektrotehnički fakultet Banja Luka, 3-5 Novembar, 2016, pp. 1-6, ISBN 978-1-5090-2329-5
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5. Stanisavljević A., Katić V., Popadić B., Dumnić B., Kovačević I.: Voltage dips detection in a system with grid-tie inverter, 18. European Conference on Power Electronics and Applications, Karlsruhe: European Power Electronics and Drives Association & the Institute of Electrical and Electronics Engineers (IEEE), 5-9 Septembar, 2016, pp. 1-10, ISBN 9789075815252
6. Stanisavljević A., Katić V., Popadić B., Dumnić B., Radišić R., Kovačević I.: Reduced FFT algorithm for network voltage disturbances detection, 11. INDEL, Banja Luka: IEEE Industry Applications Society and

IEEE Power Electronics Society, 3-5 Novembar, 2016, pp. 1-6, ISBN 978-1-5090-2329-5

7. Strezoski L., Katić V., Dumnić B., Prica M.: The Sub-Transient, Transient, And Steady-State Models For Three-Phase Inverter Based Distributed Generators For The Purpose Of Real-Time Short-Circuit Analysis, 10. Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion MEDPOWER, Beograd, 6-8 Novembar, 2016, pp. 1-8
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9. Tomić J., Katić V., Kušljević M., Čorba Z., Gazivoda N.: Intelligent energy management for smart home with an example of measurement results, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: Etran, 13-16 Jun, 2016

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Doroslovački R., Vilotić D., Katić V., Kovačević I., Šešlija D., Kolaković S., Konjović Z.: Efikasnost master studija na Fakultetu tehničkih nauka u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, Edicija Tehničke nauke - monografija, 2016, ISBN 978-86-7892-815-4

Spisak rezultata M53 - Rad u naučnom časopisu

1. Ćulibrk M., Katić V.: Modelovanje i simulacija E-pogona modernog električnog vozila, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 5, pp. 809-812, ISSN 0350-428X
2. Đeković I., Dumnić B., Popadić B.: Upporedna analiza modulacionih tehnika za pretvarač povezan na mrežu s obzirom na kvalitet električne energije, Zbornik radova Fakulteta tehničkih nauka, 2016, No 3/2016, pp. 466-469, ISSN 0350-428X, UDK: 621.31
3. Ivanović Z., Davidović V., Grabić S.: Uređaji za skladištenje energije u hibridnim i električnim vozilima, Zbornik radova Fakulteta tehničkih nauka, 2016, pp. 1-4, ISSN 0350-428X
4. Lauc T., Gecić M., Marčetić D.: Direktno upravljanje momentom asinhronne mašine, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 30, No 10, pp. 1835-1838, ISSN 0350-428X
5. Marković Z., Katić V., Čorba Z.: Statistička obrada parametara solarne FN elektrane, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 3, pp. 470-473, ISSN 0350-428X
6. Pecelj M., Dumnić B., Popadić B.: Implementacija i testiranje tehnike upravljanja pretvaračem povezanim na električnu mrežu, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 7, No 7/2016, pp. 1285-1288, ISSN 0350-428X, UDK: 621.31
7. Porobić V., Močević S.: Pogon SMSPM i DSP automatska generacija koda PWM simulacija u Simulinku, Zbornik radova Fakulteta tehničkih nauka, 2016, pp. 1-5, ISSN 0350-428X, UDK: 621.31
8. Porobić V., Stančić N., Vekić M.: Napredni Scada sistem za upravljanje brzinom asinhronog motora primenjen u regulaciji protoka vazduha, Zbornik radova Fakulteta tehničkih nauka, 2016, ISSN 0350-428X
9. Stanković V., Katić V.: Predlog rešenja i simulacija AC pogona električnog automobila sa asinhronim motorom, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 5, pp. 827-875, ISSN 0350-428X
10. Živković I., Katić V.: Vetroenergetika - evropski trendovi i Srbija, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 5, pp. 793-796, ISSN 0350-428X

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bojanić R., Doroslovački R., Kovačević I., Katić V., Vilotić D., Kolaković S., Šešlija D., Konjović Z.: Analiza ocena sa studentske ankete i prolaznosti na ispitima na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 140-147, ISBN 978-87-7892-795-9
2. Čorba Z., Dumnić B., Katić V., Milićević D., Popadić B.: Laboratorijske vežbe iz fotonaponskog pretvaranja energije na strukovnim studijama FTN, 22. Trendovi razvoja TREND, Zlatibor, 16-19 Februar, 2016, pp. 1-5, ISBN 978-86-7892-805-5
3. Čorba Z., Katić V., Popadić B., Milićević D., Dumnić B.: Oprema praktične nastave iz fotonaponskog pretvaranja energije na strukovnim studijama OIEE, 60. ETRAN - Konferencija za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku, Zlatibor, 13-15 Jun, 2016, pp. 1-6, ISBN 978-86-7466-618-0
4. Doroslovački R., Vilotić D., Kovačević I., Katić V., Šešlija D., Kolaković S.: Značaj didaktičkih sredstava u kvalitetnom savremenom obrazovanju, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u

Novom Sadu, 16-19 Februar, 2016, pp. 19-20, ISBN 987-86-7892-795-9

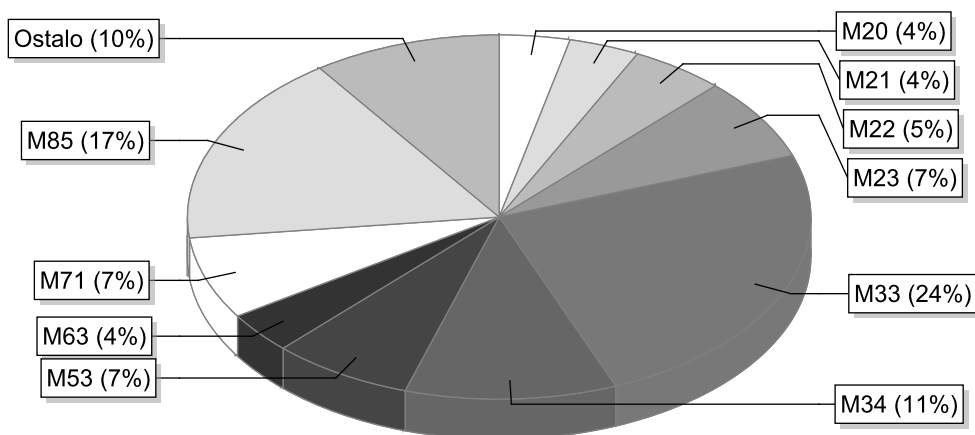
5. Gecić M., Kapetina M., Popović V., Marčetić D.: Energetski efikasno upravljanje pogonom sa sinhronim reluktantnim motorom, 15. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, 16-18 Mart, 2016
6. Katić V., Čorba Z., Milićević D., Dumnić B., Popadić B.: Merenje viših harmonika na Fakultetu tehničkih nauka u Novom Sadu, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, pp. 1-8, ISBN 978-86-83171-20-0
7. Katić V., Kovačević I., Vilotić D., Doroslovački R., Kolaković S., Šešlija D., Konjović Z.: Efikasnost studiranja studijskih programa master studija Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 65-79, ISBN 987-86-7892-795-9
8. Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Šešlija D., Zivlak V.: U susret novom Zakonu o visokom obrazovanju i izmeni standarda za akreditaciju visokoškolskih ustanova i studijskih programa, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 188-192, ISBN 987-86-7892-795-9
9. Milićević D., Dumnić B., Popadić B., Čorba Z., Janković B.: Analiza tehno-ekonomskih uslova izgradnje i ocena opravdanosti ulaganja u solarne fotonaponske elektrane u Republici Srbiji, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, ISBN 978-86-83171-20-0
10. Milićević D., Popadić B., Papež D., Oros Đ., Dumnić B., Čorba Z., Vasić V.: Aspekti bezbednog rada sa jednosmernim razvodom u fotonaponskim elektranama, 13. Nacionalna konferencija sa međunarodnim učešćem o zaštiti na radu-Unapređenje sistema zaštite na radu, Tara, 27-30 Oktobar, 2016, pp. 301-311, ISBN 978-86-919221-1-5
11. Popović V., Gecić M., Oros Đ., Marčetić D.: Podešavanje parametara regulatora u IPMSM pogonu sa minimalnim brojem senzora korišćenjem klasičnih regulacionih metoda, 15. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet, Istočno Sarajevo, 16-18 Mart, 2016, pp. 1-6, ISBN 978-99955-763-9-4
12. Savić N., Katić V.: Tehnički uslovi priključenja i multilevel inventori u distribuiranim izvorima energije, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, ISBN 978-86-83171-20-0
13. Stanisavljević A., Milićević S., Katić V., Kovačević I.: Položaj asistenata u nastavnom procesu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 211-2013, ISBN 987-86-7892-795-9
14. Strezoski L., Katić V., Dumnić B.: Modelovanje i proračun kratkih spojeva distributivnih mreža s distribuiranim generatorima zasnovanim na trofaznim inverterima, Modeling and Short-Circuit Analysis of Distribution Systems with Large Number of Three-Phase Inverter Based Distributed Generators, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, ISBN 978-86-83171-20-0, UDK: COBISS.SR-ID 308468743
15. Šešlija D., Doroslovački R., Katić V., Vilotić D., Kovačević I., Kolaković S.: Razvoj udaljenih eksperimenata na inženjerskim studijskim programima, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 20-29, ISBN 987-86-7892-795-9
16. Vilotić D., Doroslovački R., Katić V., Kovačević I., Kolaković S., Šešlija D., Konjović Z.: Analiza efikasnosti studiranja na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 57-65, ISBN 987-86-7892-795-9

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektroniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	3
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	6
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	20
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	9
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	6
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	6
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	14





## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Kostić S., Lazarević Z., Gilić M., Petrović M., Romčević M., Romčević N., Sekulić D.: "Structural and optical studies of oxide single crystals grown by the Czochralski method" in Proceedings of the III Advanced Ceramics and Applications, ed. by William E. Lee et. al, Springer-Atlantis Press, 2016, str. 193-203, ISBN 978-94-6239-156-7
2. Sekulić D., Lazarević Z., Romčević N.: "Electrical characterization of nanostructured ferrite ceramics by using AC impedance spectroscopy" in Proceedings of the III Advanced Ceramics and Applications, ed. by William E. Lee et. al, Springer-Atlantis Press, 2016, str. 115-127, ISBN 978-94-6239-156-7

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Cvejic K., Sliwa M., Manjakkal L., Kulawik J., Stojanović G., Szwagierczak D.: Impedancemetric NO sensor based on YSZ/perovskite neodymium cobaltite operating at high temperatures, Sensors and Actuators B: Chemical, 2016, Vol. 228, pp. 612-624, ISSN 0925-4005
2. Obrovski B., Bajić J., Mihajlović I., Vojinović-Miloradov M., Batinić B., Živanov M.: Colorimetric fiber optic probe for measurement of chemical parameters in surface water, Sensors and Actuators B: Chemical, 2016, Vol. 228, pp. 168-173, ISSN 0925-4005
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Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

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2. Savić S., Stojanović G., Vasiljević D., Vojisavljević K., Dapčević A., Radojković A., Pršić S., Branković G.: Nanoindentation study of nickel manganite ceramics obtained by a complex polymerization method, Ceramics International, 2016, Vol. 42, No 10, pp. 12276-12282, ISSN 0272-8842
3. Tripković Đ., Vukmirović J., Bajac B., Samardžić N., Đurđić E., Stojanović G., Srdić V.: Inkjet patterning of in situ sol-gel derived barium titanate thin films, Ceramics International, 2016, Vol. 42, pp. 1840-1846, ISSN 0272-8842

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1. Jelić M., Georgiadou D., Radanović M., Romčević N., Giannakopoulos K., Leovac V., Nađ L., Vojinović-Ješić Lj.: Efficient electron injecting layer for PLEDs based on (PLAGH)<sub>2</sub>[ZnCl<sub>4</sub>], Optical and Quantum Electronics, 2016, Vol. 48, No 5, ISSN 0306-8919, UDK: DOI: 10.1007/s11082-016-0547-5
2. Milutinov M., Nikolić M., Luković M., Blaž N., Labus N., Živanov Lj., Aleksić O.: Influence of starting powder milling on structural properties, complex impedance, electrical conductivity and permeability of Mn-Zn ferrite, Journal of Materials Science: Materials in Electronics, 2016, Vol. 27, No 11, pp. 11856-11865, ISSN 0957-4522
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Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Žlebić Č., Živanov Lj., Menićanin A., Blaž N., Damjanović M.: Inkjet Printed Resistive Strain Gages on Flexible Substrates, *Facta universitatis - series: Electronics and Energetics*, 2016, Vol. 29, No 1, pp. 89-100, ISSN 0353-3670, UDK: 10.2298/FUEE1601089Z

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1. Sekulić D., Lazarević Z., Jovalekić Č., Romčević N.: Electrical characterization of YFeO<sub>3</sub> nanoferrite and its potential application for humidity sensing, 5. *Advanced Ceramics and Application*, Beograd, 21-23 Septembar, 2016, pp. 37-37, ISBN 978-86-915627-4-8

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Ahmad W., Žlebić Č., Đurađ B.: Compact Inkjet-Printed Broadband Filtennas with Triple Bandnotch, 46. *European Microwave Conference EuMC*, London, 3-7 Oktobar, 2016
2. Blaž N., Kisić M., Žlebić Č., Marić A., Živanov Lj.: Capacitance Variation of Inkjet Printed Interdigital Capacitor by Structure Bending, 39. *International Spring Seminar on Electronics Technology*, Plzeň, 18-22 Maj, 2016, pp. 506-509
3. Blaž N., Varga M., Romakov M., Damjanović M.: Measurement of Capacitive Sensor with Arduino, 39. *International Spring Seminar on Electronics Technology*, Plzeň, 18-22 Maj, 2016, pp. 490-493
4. Kisić M., Blaž N., Babković K., Živanov Lj., Damjanović M.: Inductive tangential displacement sensor, 39. *International Spring Seminar on Electronics Technology*, Plzeň, 18-22 Maj, 2016, pp. 433-438
5. Marić A., Radosavljević G., Blaž N., Živanov Lj.: Influence of Substrate Thickness on Performance of LTCC Micro-Transformer, 39. *International Spring Seminar on Electronics Technology*, Plzeň, 18-22 Maj, 2016, pp. 510-514, ISBN DOI: 10.1109/ISSE.20
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7. Mihajlović Ž., Milosavljević V., Vasiljević D., Joža A., Rajs V., Živanov M.: Implementation of Wearable Energy Harvesting Wireless Sensor Node using Ink-Jet Printing on Flexible Substrate, 5. *Mediterranean Conference on Embedded Computing - MECO*, Bar: University of Montenegro, 12-16 Jun, 2016, pp. 100-103, ISBN 978-9940-9436-6-0
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15. Radić J., Miličević M., Milinković B., Djurić R.: Digitally controlled attenuator, 24. Telekomunikacioni forum TELFOR, Beograd: IEEE, 22-23 Novembar, 2016, pp. 1-3, ISBN 978-1-5090-4085-8
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17. Simić M., Stojanović G., Manjakkal L., Zaraska K.: Multi-Sensor System for Remote Environmental (Air and Water) Quality Monitoring, 24. Telekomunikacioni forum TELFOR, Beograd, 22-23 Novembar, 2016, pp. 1-4
18. Šašić B., Damjanović M., Živanov Lj., Žlebić Č., Blaž N.: Design and modelling of two-layer inductor on PCB substrate, 39. International Spring Seminar on Electronics Technology, Plzeň, 18-22 Maj, 2016
19. Vasiljević D., Kojić S., Pivaš B., Medić D., Tadić A., Mirković S., Radovanović M.: Cost-effective interdigitated capacitive sensors for efficient bacteria detection, 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016, pp. 11-14, ISBN 978-99955-763-9-4
20. Vranjković V., Struharik R.: Coarse-grained Reconfigurable Hardware Accelerator of Machine Learning Classifiers, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 29-31 Avgust, 2016

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2. Obrovski B., Bajić J., Mihajlović I., Vojinović-Miloradov M., Batinić B., Živanov M.: Implementation of Fiber Optic Sensor (FOS) in Water Quality Monitoring, 17. 17th European Meeting on Environmental Chemistry (EMEC17), Inverness, 30-2 Novembar, 2016, pp. 70-71
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5. Obrovski B., Mihajlović I., Bajić J., Vojinović-Miloradov M., Joža A., Živanov M.: Monitoring of surface water quality by fiber optic sensor on laboratory scale, 22. International Scientific Conference –Engineering for Environment Protection-TOP 2016, Bratislava: Slovak University of Technology , 7-9 Jun, 2016, pp. 60-60, ISBN 978-80-227-4568-0
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7. Sekulić D., Lazarević Z., Jovalekić Č., Romčević N.: Effect of precursors on the dielectric and magnetic properties of Zn-ferrite nanoparticles, 11. European Conference on Magnetic Sensors and Actuators-EMSA, Torino, 12-15 Jul, 2016
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Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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Spisak rezultata M53 - Rad u naučnom časopisu

1. Đorđe J., Rajs V., Mihajlović Ž.: PAMETNI NOSIVI UREĐAJ SA PRIKUPLJANJEM ENERGIJE IZ OKOLINE ZA PRAĆENJE PARAMETARA U OKRUŽENJU KORISNIKA, Zbornik radova Fakulteta tehničkih nauka, 2016, No 15/2016, pp. 3121-3124, ISSN 0350-428X
2. Đuragić A., Kašiković N., Teodorović P.: APLIKACIJA ZA EDUKACIJU DECE SA INTELEKTUALNIM INVALIDITETOM, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 5, pp. 1018-1021, ISSN 0350-428X, UDK: 655:621.3
3. Gostović P., Rajs V.: AUTOMATIZACIJA MOTOCIKLA I UPRAVLJANJE PUTEM ANDROID PAMETNOG UREĐAJA, Zbornik radova Fakulteta tehničkih nauka, 2016, No 13/2016, pp. 2651-2655, ISSN 0350-428X
4. Rajs V.: SISTEM ZA MERENJE ZAGAĐENJA ŽIVOTNE SREDINE BAZIRAN NA RASPBERRY PI MINI RAČUNARU, Zbornik radova Fakulteta tehničkih nauka, 2016, No 7/2016, pp. 1291-1294, ISSN 0350-428X
5. Rajs V.: UNIVERZALNA PLOČA ZA AUTOMATIZACIJU U INDUSTRIJSKIM SISTEMIMA, Zbornik radova Fakulteta tehničkih nauka, 2016, No 15/2016, pp. 3141-3144, ISSN 0350-428X
6. Ristić A., Rajs V.: PROJEKTOVANJE UPRAVLJAČKE ELEKTRONIKE GORIONIKA NA PELET SA MOGUĆNOŠĆU SAGOREVANJA KOŠTICA OD VOĆA, Zbornik radova Fakulteta tehničkih nauka, 2016, No 3/2016, pp. 188-194, ISSN 0350-428X, UDK: 621.38

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Obrovski B., Mihajlović I., Bajić J., Vojinović-Miloradov M., Batinić B., Živanov M.: Određivanje ključnih fizičko-hemijskih parametara "Low-cost" uređajem na bazi optičkih vlakana, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 153-156, ISBN 978-86-7892-825-3
2. Puškar T., Vasiljević D., Šokac M., Radovanović M., Pivaš B., Kojić S., Mirković S.: Analiza mogućnosti za unapređenje i razvoj savremenih dijagnostičkih metoda za detekciju okluzalnih opterećenja, 10. International Scientific Conference ETIKUM, Novi Sad, 23-25 Jun, 2016, pp. 65-68, ISBN 978-86-7892-826-0
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Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Obrovski B., Bajić J., Mihajlović I., Vojinović-Miloradov M., Batinić B., Sremački M., Živanov M.: Senzor boje sa optičkim vlaknima za praćenje kvaliteta površinskih voda, 53. Savetovanje Srpskog hemijskog društva, Kragujevac: Srpsko hemijsko društvo, 10-11 Jun, 2016, pp. 62-62, ISBN 978-86-7132-061-0

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Babković K.: Višenamenski integrisani senzor sile i pomeraja, Novi Sad, 2016
2. Brkić M.: ELEKTRONSKI SISTEM ZA OBRADU SIGNALA SA SENZORA PROMENLJIVE IZLAZNE IMPEDANSE, Novi Sad, Ftn, 2016
3. Kisić M.: Heterogeno integrisani pasivni induktivni senzori, 2016
4. Marić A.: Metode za poboljšanje RF performansi mikro- induktorskih i transformatorskih struktura, 2016
5. Radovanović M.: Projektovanje, optimizacija i karakterizacija LC senzora za bežično merenje koncentracije vlage u građevinskim materijalima, Novi Sad, 2016
6. Samardžić N.: Analiza kvantnih mehanizama transporta prisutnih u memristivnim uređajima na bazi nanomaterijala, 2016

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

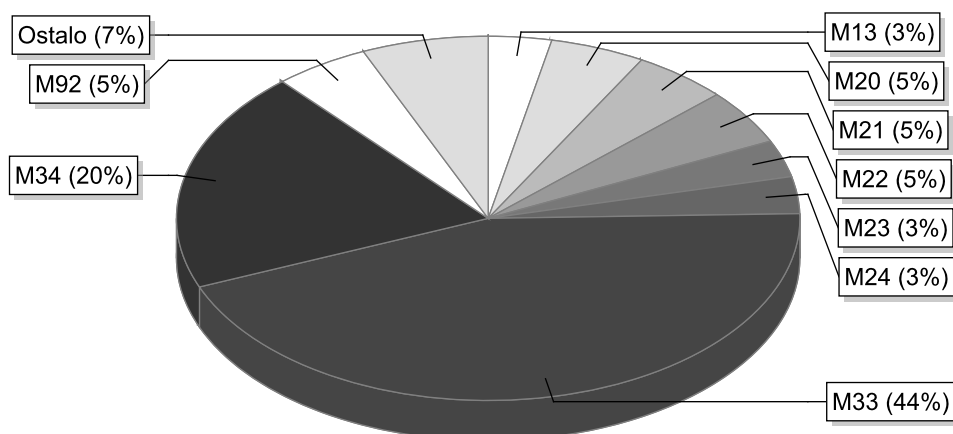
1. Juhas A., Dautović S., Novak L.: Algoritam za određivanje graničnih linija impedansi za rezistivno-reaktivnu klasu-B/J pojačavača snage, 2016
2. Juhas A., Dautović S., Novak L.: Metoda za modelovanje signala pojačavača snage bazirana na nenegativnim trigonometrijskim polinomima drugog stepena, 2016
3. Kisić M., Babković K., Blaž N., Damnjanović M., Živanov Lj.: Detektovanje zauzetosti sedišta pomoću bežičnog induktivnog senzora, 2016
4. Kisić M., Blaž N., Babković K., Damnjanović M., Živanov Lj.: Induktivni tangencijalni senzor pomeraja, 2016
5. Kitić G., Savić S., Radonić V., Janković N., Birgermajer S., Čeljuska N., Marjanović S., Crnojević-Bengin V., Stojanović G.: Nova laboratorijska metoda za električnu karakterizaciju nikl manganitnih prahova u opsegu visokih učestanosti, 2016
6. Lečić N., Đurić S., Radovanović M., Stojanović G.: Prototip višefaznog spregnutog induktora sa feritnim jezgrom, 2016
7. Nikola L., Đurić S., Radovanović M., Stojanović G.: Prototip elektronskog kola za testiranje višefaznih spregnutih induktora, 2016
8. Radovanović M., Cvejic K., Mojić Lante B., Srdić V., Stojanović G.: Metoda za merenje temperature vazduha korišćenjem bežičnog senzora, 2016
9. Radovanović M., Stojanović G., Malešev M., Radonjanin V.: Metoda za merenje koncentracije vlage u građevinskim materijalima korišćenjem bežičnog LC senzora, 2016
10. Radovanović M., Vasiljević D., Kojić S., Tadić A., Pivaš B., Medić D., Mirković S.: Određivanje tipa bakterija u fiziološkom rastvoru korišćenjem interdigitalnog kapacitivnog senzora, 2016
11. Rakanović D., Struharik R.: IP jezgro za enkripciju podataka sa AXI interfejsom, 2016
12. Tomić J., Vidaković M., Kušljević M., Rajs V., Sovilj P., Mitrović Z.: MERNI SISTEM ZA PREDIKCIJU ZAGAĐENJA VAZDUHA U URBANIM SREDINAMA, 2016
13. Vranjković V., Struharik R.: Rekonfigurabilno IP jezgro za akceleraciju DT, SVM i ANN prediktivnih modela, 2016
14. Vranjković V., Struharik R.: Rekonfigurabilno IP jezgro za akceleraciju homogenih i heterogenih ansambala prediktivnih modela, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za telekomunikacije i obradu signala

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	2
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	3
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	27
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	12
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	3



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Petković M., Cvetković A., Đorđević G.: "Mixed RF/FSO relaying systems", Optical Wireless Communications An Emerging Technology, Springer, 2016, str. 387-407, ISBN 978-3-319-30200-3
2. Vukobratović D., Angjelichinoski M., Cosović M., Kalalas C., Lliuyacc R., Zeinali M., Alonso-Zarate J., Manuel Mauricio J., Popovski P., Stefanović Č., Thompson J.: Overview of research in the ADVANTAGE project, IET Press, 2016, ISBN 978-1-78561-104-9

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Brdar S., Gavrić K., Čulibrk D., Crnojević V.: Unveiling Spatial Epidemiology of HIV with Mobile Phone Data, Scientific Reports, 2016, Vol. 6, pp. 19342-19342, ISSN 2045-2322
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Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

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1. Kovačević M.: Timing Channels and Shift-Correcting Codes, 1. Network Coding and Designs, Dubrovnik, 4-8 April, 2016

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  4. Đurić S., Lončar-Turukalo T., Dabić D., Koprivšek K., Lučić M., Šveljo O.: Temporal pattern based classification of independent components in resting state fMRI, 13. Symposium on Neural Network Applications in Electrical Engineering (NEUREL), Belgrade: Academic Mind; School of Electrical Engineering, University of Belgrade, Serbia, 22-24 Novembar, 2016, pp. 21-24, ISBN 978-1-5090-1529
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  6. Jakovljević N., Mišković D., Trpovski Ž.: Evaluation of noise estimation algorithms based on minimum statistics and signal to noise ratio DOI:10.1109/TELFOR.2016.7818811, 24. Telekomunikacioni forum TELFOR, Beograd: IEEE, 22-23 Novembar, 2016, pp. 419-422, ISBN 978-86-7466-649-4
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  14. Pakoci E., Popović B., Jakovljević N., Pekar D., Yassa F.: A Phonetic Segmentation Procedure Based on Hidden Markov Models, 18. SPECOM International Conference on Speech and Computer, Budimpešta: Springer, 23-27 Avgust, 2016, pp. 67-74, ISBN 978-3-319-43957-0
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  18. Popović B., Pakoci E., Pekar D.: Advanced Voice Activity Detection on Mobile Phones by Using Microphone Array and Phoneme-Specific Gaussian Mixture Models, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 29-31 Avgust, 2016, pp. 29-31, ISBN 978-1-5090-2866-5



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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

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2. Bajić D., Jovanović S., Škorić T.: On characterization of signal dependency structure, 8. NEUROCARD International Symposium on Neurocardiology, Beograd, 14-15 Oktobar, 2016, pp. 37-37
3. Brkljač B.: Spectral-temporal features for crop classification using dense, satellite based, multispectral time-series, 5. European Space Agency Living Planet Symposium, Prag: European Space Agency, Univerzita Karlova, 9-12 Maj, 2016
4. Lučić M., Đan I., Bjelan M., Šveljo O., Lučić S., Koprivšek K., Kozić D., Bogdanović-Stojanovi D., Semnic R.: DTI scalars in assessment of early response of glioblastoma multiforme tissue to radiotherapy treatment, 1. European Congress of Radiology (ECR), Vienna: European Congress of Radiology (ECR 2016) March 2-6, 2016, Vienna, Austria. EPOS (Electronic Presentation Online System) of European Society of Radiology ([www.myESR.org/epos](http://www.myESR.org/epos)), 2-6 Mart, 2016, UDK: DOI: 10.1594/ecr2016/C-1161
5. Lučić S., Đan I., Bjelan M., Pena-Karan S., Peter A., Šveljo O., Kozić D., Lučić M.: Comparative analysis of multi-parametric positron emission tomography, diffusion weighted imaging and diffusion tensor imaging values in lung adenocarcinoma patients, 1. European Congress of Radiology (ECR), Vienna: European Congress of Radiology (ECR 2016) March 2-6, 2016, Vienna, Austria. EPOS (Electronic Presentation Online System) of European Society of Radiology ([www.myESR.org/epos](http://www.myESR.org/epos)), 2-6 Mart, 2016, UDK: DOI: 10.1594/ecr2016/C-1249
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12. Zorica D., Pilipović S., Atanacković T., Oparnica Lj., Janev M., Hoermann G.: Zener wave equation: hereditary and non-local effects, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad, 2016

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Delić V., Sečujski M., Mišković D., Nikolić D.: Koncept centralne audio-biblioteke Univerziteta u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 45-48, ISBN 978-86-7892-795-9

Spisak rezultata M82 - Nova proizvodna linija, novi materijal, industrijski prototip,

1. Popović B., Pakoci E., Pekar D., Delić V.: Napredna detekcija govornih segmenata na mobilnom telefonu primenom mikrofonskog niza i dekodera Link: <http://www.ftn.uns.ac.rs/n1871597686/napredna-detekcija-govornih-segmenata-na-mobilnom-telefonu-primenom-mikrofonskog-niza-i-dekodera>, 2016

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

1. Čeljuska N., Sečujski M., Crnojević-Bengin V., Birgermajer S.: Laboratorijski merni sistem i metoda određivanja S-matrice dvoprístupnog akustičkog kola, 2016

Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

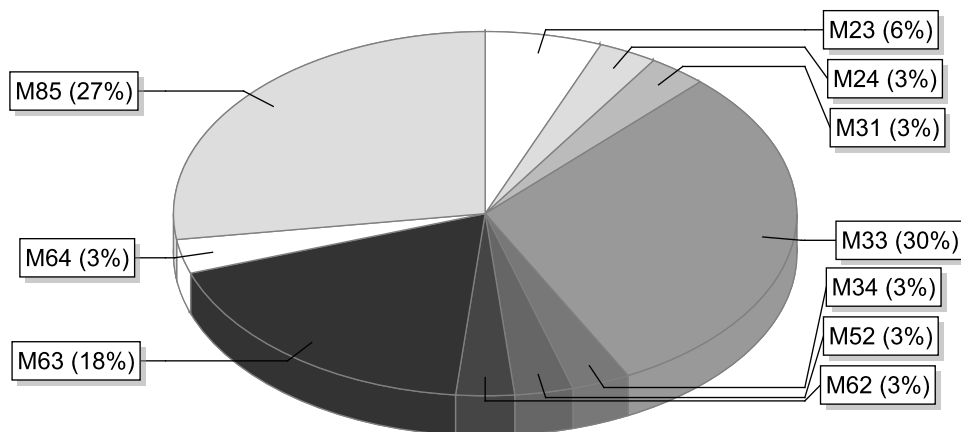
1. Bajić D.: Hibridni postupak ispravljanja grešaka i selektivne retransmisije pri združenom paketskom prenosu paketa nejednake dužine korišćenjem celobrojnog zaštitnog koda niske potrošnje, Beograd, Zavod za intelektualnu svojinu, 2016
2. Bajić D.: Postupak za ispravljanje grešaka na združenim paketima nejednake dužine celobrojnim kodom niske potrošnje, Beograd, Zavod za intelektualnu svojinu, 2016
3. Pekar D., Popović B., Pakoci E., Mišković D., Delić V., Sečujski M.: Duboke neuronske mreže na serveru u kombinaciji sa lokalnim dekoderom za prepoznavanje govora (P-2016/0452), AlfaNum, 2016, str. 1-10

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za električna merenja

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u časopisu nacionalnog značaja	M52	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	9



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Mitrović Z., Čomić D., Milovančev S., Pejić D.: High voltage coreless transformer for power quality measurement at medium voltage level, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 5, pp. 1245-1250, ISSN 1330-3651, UDK: 62(05)=163.42=111
2. Župunski V., Mitrović Z., Nikolić Z., Petrović G., Tamindžić G., Karagić Đ.: Uncertainty analysis of the microtiter plate method for determining trypsin inhibitor activity, Accreditation and Quality Assurance, 2016, ISSN 0949-1775

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Urekar M., Bulat M., Vujičić B., Pejić D.: Composite Resistor Standard for Calibration of Measuring Transducers in Laboratory Conditions, Serbian Journal of Electrical Engineering, 2016, Vol. 12, No 1, pp. 71-82, ISSN 1451-4869, UDK: 621.314.26:53.088

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Rajs V., Mihajlović Ž., Milosavljević V., Tomić J., Živanov M.: Methods of environmental monitoring parameters based on smart measurement systems, 24. Telekomunikacioni forum TELFOR, Beograd: TELECOMMUNICATIONS SOCIETY - Belgrade, 22-23 Novembar, 2016, ISBN 978-86-7466-649-4

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Beljić Ž., Ličina B., Sovilj P., Pejić D., Vujičić V.: Measurement of Definite Integral of Sinusoidal Signal Absolute Value Third Degree by Using Digital Stochastic Method, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
2. Čomić D., Pejić D., Mitrović Z., Antić B., Sovilj P.: Problematika merenja napona u sredjenaponskoj mreži sa složenoperiodičnim naponom, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja: Nacionalni komitet CIRED Srbija, 26-30 Septembar, 2016, pp. 79-83, ISBN 978-86-83171-20-0
3. Đorđević-Kozarov J., Sovilj P., Vujičić V., Mitić D., Radenković D.: A Novel Method for Gibbs Phenomenon Reduction in Stochastic Measurement of EOG Signal, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: Društvo za ETRAN, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
4. Gazivoda N., Beljić Ž., Sovilj P., Pejić D., Vujičić B.: MEASUREMENT FIRMWARE FOR PULSE OXIMETRY SENSOR, 1. Zooming Innovation in Consumer Electronics, Novi Sad: IEEE Conference Publications, 1-2 Jun, 2016, pp. 42-45, ISBN 978-1-5090-2957-0
5. Mitrović J., Glogovac M., Sovilj P., Mitrović Z.: Human-Machine Interface Based on Measurement of Eye Movements, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: Društvo za ETRAN, Beograd, Akademska misao, Beograd, 13-16 Jun, 2016, pp. 1-3, ISBN 978-86-7466-618-0
6. Pejić D., Urekar M., Bulat M., Gazivoda N.: RANDOMIZING OF PSEUDORANDOM NOISE SOURCE, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN Society, 13-16 Jun, 2016, pp. 1-3, ISBN 978-86-7466-618-0
7. Sovilj P.: Stochastic Measurement of Reactive Power Using a Two-Bit A/D Converter, 21. IMEKO TC4 International Symposium, Budimpešta: IMEKO, 7-9 Septembar, 2016, pp. 176-179
8. Tomić J., Katić V., Kušljević M., Čorba Z., Gazivoda N.: Intelligent energy management for smart home with an example of measurement results, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN, 13-16 Jun, 2016
9. Urekar M., Sovilj P.: EEG NOISE FLOOR MEASUREMENT USING STOCHASTIC A/D CONVERTER, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN Society, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
10. Župunski V., Spasić Jokić V., Vasić M., Savić A., Mitrović Z., Župunski I.: Estimation of uncertainty of trypsin inhibitor activity measurement in legume crops, 4. International Conference on Radiation and Applications in Various Fields of Research, Niš, 23-27 Maj, 2016, pp. 160-164

### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Antić B., Čulibrk D.: Means of Collaboration between HE Institutions and the Rapidly Growing IT Industry in Serbia, 1. BigSkyEarth Conference: Education in Big Data Era, Sorrento: TD COST Action TD1403 Big Data Era in Sky and Earth Observation (BIG-SKY-EARTH), 24-25 Oktobar, 2016

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Štrbac B., Radlovački V., Ačko B., Spasić Jokić V., Župunski Lj., Hadžistević M.: THE USE OF MONTE CARLO SIMULATION IN EVALUATING THE UNCERTAINTY OF FLATNESS MEASUREMENT ON A CMM, Journal of Production Engineering, 2016, Vol. 19, No 2, pp. 69-72, ISSN 1821-4932

Spisak rezultata M62 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu

1. Antić B.: Merno-informacione tehnologije u 'Big Data' eri, 1. Merno-informacione tehnologije 2016 (MIT 2016), Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 15-16 Decembar, 2016

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bulat M., Urekar M., Pejić D.: UTICAJ SISTEMATSKE GRESKE NA REZULTAT MERENJA, 60. ETRAN - Konferencija za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku, Zlatibor: Društvo za ETRAN, 13-15 Jun, 2016, pp. 1-5, ISBN 978-86-7466-618-0
2. Gazivoda N., Ilić D., Davidović D., Pena M.: Hardver merno-akvizicionog sistema za elektrofiziološke signale, 60. ETRAN - Konferencija za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku, Zlatibor: Društvo za ETRAN, 13-15 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
3. Mirković S., Krasić N., Gazivoda N.: Razvoj merno-akvizicionog sistema zasnovanog na ZigBee modulu, 60. ETRAN - Konferencija za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku, Zlatibor: Društvo za ETRAN, 13-15 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
4. Novaković Đ., Sovilj P., Gazivoda N.: Multisenzorska platforma zasnovana na NEC protokolu, 60. ETRAN - Konferencija za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku, Zlatibor: Društvo za ETRAN, 13-15 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
5. Štrbac B., Župunski Lj., Radlovački V., Ačko B., Spasić Jokić V., Hadžistević M.: Procena merne nesigurnosti pri merenju ravnosti na KMM primenom Monte Karlo simulacije, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 45-48, ISBN 978-86-7892-825-3
6. Urekar M., Bulat M., Gazivoda N.: ETALON ZA PRENOS I KALIBRACIJU NAPONA U USLOVIMA RADA VAN LABORATORIJE, 60. ETRAN - Konferencija za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku, Zlatibor: Društvo za ETRAN, 13-15 Jun, 2016, pp. 1-6, ISBN 978-86-7466-618-0

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Antić B.: Zemaljske mobilne mreže kao izvori mernih informacija, 1. Merno-informacione tehnologije 2016 (MIT 2016), Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 15-16 Decembar, 2016

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

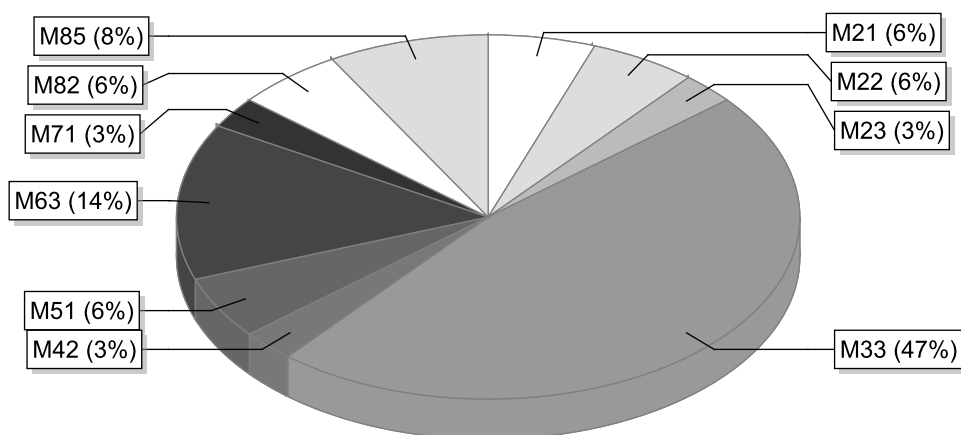
1. Pejić D., Urekar M., Sovilj P., Vujičić V., Mitrović Z., Gazivoda N., Radonjić A., Vujičić B., Beljić Ž.: Simulacioni model metode za generisanje uniformnog šuma, 2016
2. Pejić D., Urekar M., Vujičić B., Sovilj P., Mitrović Z., Beljić Ž., Gazivoda N.: Metoda generisanja diskretnog uniformnog šuma vrlo visoke rezolucije, 2016
3. Tomić J., Vidaković M., Kušljević M., Rajs V., Sovilj P., Mitrović Z.: MERNI SISTEM ZA PREDIKCIJU ZAGAĐENJA VAZDUHA U URBANIM SREDINAMA, 2016
4. Urekar M., Vujičić B., Vujičić V., Sovilj P., Pejić D., Beljić Ž., Gazivoda N., Radonjić A., Mitrović Z.: Simulacioni model metode spektralne gustine snage niskofrekventnog šuma primenom stohastičke adicione A/D konverzije, 2016
5. Vujičić B., Beljić Ž., Pejić D., Sovilj P., Vujičić V., Gazivoda N., Radonjić A., Mitrović Z., Urekar M.: Metoda merenja snage šuma dvobitnim A/D konvertorom, 2016
6. Vujičić B., Beljić Ž., Sovilj P., Mitrović Z., Urekar M.: Metoda detekcije AC nule stohastičkom digitalnom mernom metodom, 2016
7. Vujičić B., Beljić Ž., Vujičić V., Pejić D., Urekar M., Sovilj P., Gazivoda N., Radonjić A., Mitrović Z.: Simulacioni model metode za merenje ekstremno malih prostoperiodičnih veličina primenom stohastičke adicione A/D konverzije, 2016
8. Vujičić B., Gazivoda N., Radonjić A., Vujičić V., Pejić D., Urekar M., Sovilj P., Mitrović Z., Beljić Ž.: Simulacioni model metode merenja reaktivne snage u realnoj elektrodistributivnoj mreži primenom stohastičke adicione A/D konverzije, 2016
9. Vujičić B., Urekar M., Sovilj P., Mitrović Z., Pejić D., Gazivoda N., Beljić Ž.: Metoda merenja reaktivne snage dvobitnim AD konvertorom, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorijsku elektrotehniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	17
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Odbranjena doktorska disertacija	M71	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	2
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	3



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Kljajić D., Đurić N.: The adaptive boundary approach for exposure assessment in a broadband EMF monitoring, *Measurement*, 2016, Vol. 93, No 1, pp. 515-523, ISSN 0263-2241, UDK: DOI 10.1016/j.measurement.2016.07.055
2. Vujić A., Petanidou T., Tscheulin T., Cardoso P., Radenković S., Stahls G., Baturan Ž., Mijatović G., Rojo S., Pérez-Banón C., Devalez J., Andrić A., Popov (rođ. Jovičić) S., Krašić D., Markov Z., Radišić D., Tataris G.: Biogeographical patterns of the genus *Merodon* Meigen, 1803 (Diptera: Syrphidae) in islands of the eastern Mediterranean and adjacent mainland, *Insect Conservation and Diversity*, 2016, Vol. 9, No 3, pp. 181-191, ISSN 1752-458X

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Fanti A., Casu S., Desogus F., Đurić N., Giuseppe M.: Design and optimization of a microwave irradiated and resonant continuous biochemical reactor, *Radio Science*, 2016, Vol. 52, No 7, pp. 1199-1212, ISSN 0048-6604, UDK: DOI: 10.1002/2016RS006018
2. Milutinov M., Nikolić M., Luković M., Blaž N., Labus N., Živanov Lj., Aleksić O.: Influence of starting powder milling on structural properties, complex impedance, electrical conductivity and permeability of Mn–Zn ferrite, *Journal of Materials Science: Materials in Electronics*, 2016, Vol. 27, No 11, pp. 11856-11865, ISSN 0957-4522

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Vukobratović B., Struharik R.: Co-Processor for Evolutionary Full Decision Tree Induction, *Microprocessors and Microsystems*, 2016, Vol. 45, pp. 253-269, ISSN 0141-9331

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Antić D., Mijatović G., Đurić N., Mazzarella G.: The COMSOL Support for Analysis of Inductors with Variable Geometry, 24. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, 22-23 Novembar, 2016, pp. 550-553, ISBN 978-86-7466-649-4
2. Bjelica J., Đurić N., Antić D., Kljajić D.: The Inductive Sensor Analysis for the Energy Harvesting Applications, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 29-31 Avgust, 2016, pp. 61-64
3. Bjelica J., Mijatović G., Kljajić D., Fanti A.: The Inductors with Adjustable Surface Area for Energy Harvesting Utilization, 24. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, 22-23 Novembar, 2016, pp. 597-600, ISBN 978-1-5090-4085-8
4. Casu S., Fanti A., Đurić N., Desogus F., Mazzarella G.: Microwave Resonant Cavity as a Reactor for the Enzymatic Hydrolysis of Sucrose, 15. Mediterranean Microwave Symposium MMS, Lecce, 30-2 Novembar, 2015, pp. 1-4, ISBN 978-1-4799-7391-0
5. Đurić N., Bjelica J., Kljajić D., Milutinov M., Kasaš-Lažetić K., Antić D.: The SEMONT Continuous Monitoring and Exposure Assessment for the Low-frequency EMF, 1. IEEE International Conference on Emerging Technologies and Innovative Business Practices for the Transformation of Societies (EmergiTech), Mauricijus, 1-6 Avgust, 2016, pp. 1-6, ISBN 978-1-5090-0705-9
6. Đurić N., Bjelica J., Kljajić D., Milutinov M., Kasaš-Lažetić K., Antić D.: The SEMONT Network Utilization for the Low-frequency EMF Monitoring, 21. International Conference on Microwaves, Radar and Wireless Communications – MIKON, Krakow, 9-11 Maj, 2016, pp. 1-6, ISBN 978-1-5090-2213-7
7. Đurić N., Bjelica J.: Resonant Cavity as Microwave Exposure System for Biological Materials, 24. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, 22-23 Novembar, 2016, pp. 581-584, ISBN 978-86-7466-649-4
8. Đurić N., Kljajić D.: An Approach for the Design of Chemical Reactors under Microwave Irradiation, 24. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, 22-23 Novembar, 2016, pp. 574-576, ISBN 978-1-5090-4085-8
9. Đurić N., Mijatović G., Antić D., Kasaš-Lažetić K.: The Variable Geometry Inductors for the Energy Harvesting Applications, 11. INDEL, Banja Luka: Faculty of Electrical Engineering, University of Banja Luka, 3-5 Novembar, 2016, pp. 1-4, ISBN 978-1-5090-2328-8, UDK: DOI: 10.1109/INDEL.2016.7797790
10. Herceg D., Kasaš-Lažetić K., Antić D., Bjelica J., Prša M.: Application of Current Transformer for Normal Magnetization Curve Determination, 11. INDEL, Banja Luka, 3-5 Novembar, 2016, ISBN 978-1-5090-2329-5
11. Kasaš-Lažetić K., Herceg D., Đurić N., Kljajić D., Prša M.: Influence of ACSR steel core permeability on

conductor's load parameters, 19. International Symposium on Electrical Apparatus and Technologies – SIELA, Burgas, 29-1 Maj, 2016, pp. 189-192, ISBN 978-1-4673-9521-2

12. Kasaš-Lažetić K., Herceg D., Kljajić D., Mijatović G., Prša M.: Impact of Steel Permeability on ACSR Impedance per Unit Length, 11. INDEL, Banja Luka, 3-5 Novembar, 2016, ISBN 978-1-5090-2329-5
13. Kundačina O., Vincan V., Antić D., Kljajić D., Kasaš-Lažetić K.: The ABM 8057 Utilization for SEMONT's EMF Monitoring in a Closed Room, 24. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, 22-23 Novembar, 2016, pp. 593-596, ISBN 978-1-5090-4085-8
14. Milutinov M., Nikolić M., Luković M., Aleksić O., Blaž N., Živanov Lj.: Influence of starting powder milling on the permeability and core loss density of Mn-Zn ferrite in the high frequency range, 24. Proceedings of Academics World International Conference, Abu Dhabi, 20 Februar, 2016, ISBN 978-93-85973-45-1
15. Nedić G., Đurić N., Kljajić D., Milutinov M., Jošić S.: The Exposure Assessment to Communication Equipment of Highpower Substation, 24. Telekomunikacioni forum TELFOR, Beograd: Društvo za telekomunikacije, 22-23 Novembar, 2016, pp. 609-612, ISBN 978-1-5090-4085-8
16. Poznić A., Miloradović D., Herceg D.: On magnetorheological multi-pole multi-T-rotor brake FEM modelling, 6. International Congress Motor Vehicles & Motors - MVM, Kragujevac: Faculty of engineering, Kragujevac, 6-8 Oktobar, 2016, pp. 159-165, ISBN 978-86-6335-037-3
17. Stanojević M., Kasaš-Lažetić K., Đurić N., Prša M.: Analysis of generalized droop control in medium and low voltage power electric grids, 11. INDEL, Banja Luka, 3-5 Novembar, 2016, pp. 1-4, UDK: DOI: 10.1109/INDEL.2016.7797817

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Lažetić B., Perin B., Kasaš-Lažetić K.: Biološki sistemi i magnetska polja, Novi Sad, Institut za plućne bolesti Vojvodine, 2016, str. 157-188, ISBN ISBN 978-86-82781-14

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Kasaš-Lažetić K., Herceg D., Mučalica N., Stanojević M., Prša M.: Uticaj permeabilnosti čeličnog jezgra Alučel provodnika na strujnu raspodelu u provodniku, Energija, ekonomija, ekologija, 2016, No 3-4, pp. 82-88, ISSN 0354-8651, UDK: UDC: 621.315.5.004
2. Mitrović A., Kasaš-Lažetić K., Đurić N., Prša M.: Određivanje raspodele električnog polja u okolini izolatora portalnog stuba 400 kV - „Finac“ , Energija, ekonomija, ekologija, 2016, No 3-4, pp. 95-99, ISSN 0354-8651, UDK: UDC: 621.315.62.004

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Herceg D., Kasaš-Lažetić K., Antić D., Prša M.: Simulacija rada elektromagneta sa "E-I" jezgrom, 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016
2. Kasaš-Lažetić K., Herceg D., Mijatović G., Prša M.: Razvoj programa za numeričko određivanje magnetskih polja posebnih struktura, 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016
3. Kasaš-Lažetić K., Herceg D., Petrović N., Papić T., Prša M.: Strujni transformator kao sistem za napajanje elektronskog mernog sklopa, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, ISBN 978-86-83171-20-0
4. Mitrović A., Kasaš-Lažetić K., Đurić N., Kljajić D., Prša M.: Izbor stubova u elektrodistributivnim mrežama sa ekološkog aspekta, 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, pp. 1-4, ISBN 978-86-83171-20-0
5. Nedić G., Antić D., Kljajić D., Đurić N.: Primena SEMONT sistema za monitoring EM polja visokih frekvencija u okolini trafo stanice 110/x kV "Novi Sad 7", 10. CIRED - International Conference on Electricity Distribution, Vrnjačka Banja, 26-30 Septembar, 2016, ISBN 978-86-83171-20-0

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Herceg D.: Modelovanje mernih transformatora bez jezgra sa feromagnetskim oklopom, 2016

Spisak rezultata M82 - Nova proizvodna linija, novi materijal, industrijski prototip,

1. Đurić N., Kljajić D., Kasaš-Lažetić K., Bajović V.: Metod procene izloženosti električnim poljima visokih frekvencija baziran na granicama izloženosti, 2016
2. Kljajić D., Đurić N.: Metod procene izloženosti električnim poljima visokih frekvencija baziran na adaptivnim granicama izloženosti, 2016

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,



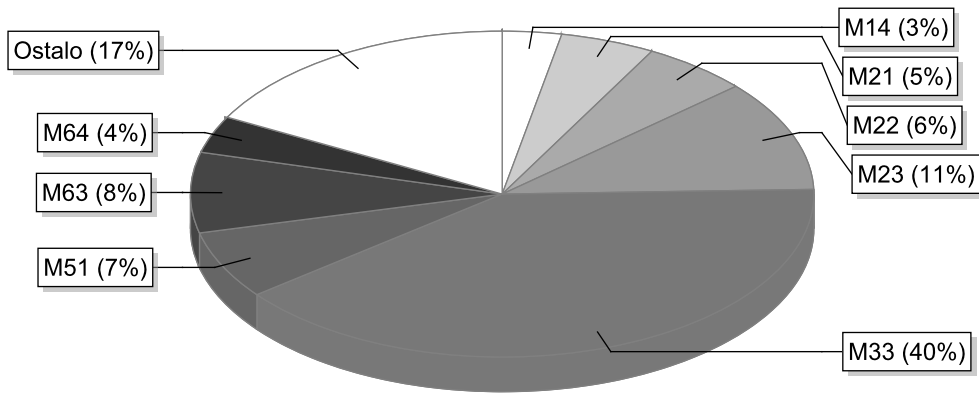
1. Juhas A., Dautović S., Novak L.: Algoritam za određivanje graničnih linija impedansi za rezistivno-reaktivnu klasu-B/J pojačavača snage, 2016
2. Juhas A., Dautović S., Novak L.: Metoda za modelovanje signala pojačavača snage bazirana na nenegativnim trigonometrijskim polinomima drugog stepena, 2016
3. Juhas A., Milutinov M., Burány N., Pekarić Nađ N.: Uređaj za generisanje homogenog niskofrekventnog električnog polja za periodične provjere ispravnosti sonde za merenje električnog polja , 2016

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za računarstvo i automatiku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Istaknuta monografija međunarodnog značaja	M11	1
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	5
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja	M18	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	4
Rad u vrhunskom međunarodnom časopisu	M21	8
Rad u istaknutom međunarodnom časopisu	M22	9
Rad u međunarodnom časopisu	M23	18
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	65
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	11
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	13
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	6
Odbranjena doktorska disertacija	M71	3
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	3
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1

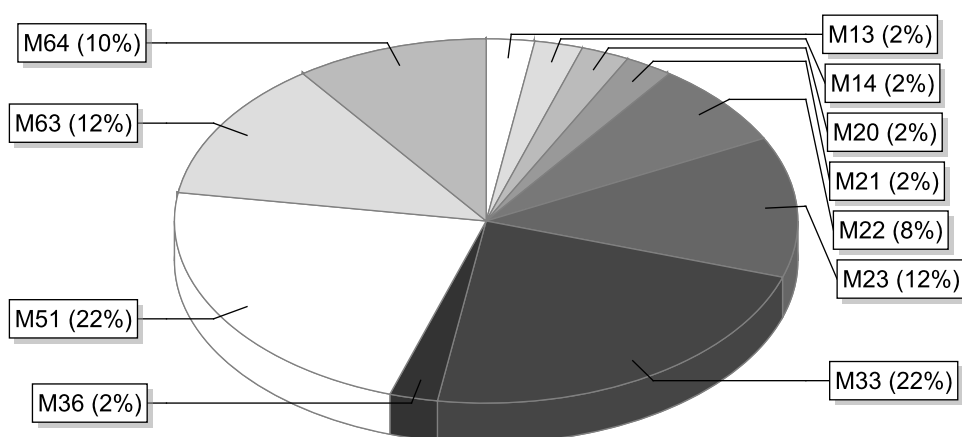


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za automatsko upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	5
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u vodećem časopisu nacionalnog značaja	M51	9
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	4



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Dimitrijević D., Obradović Đ., Jocić M., Zečević I., Bjeljac P., Todorović V., Dimitrijević J.: Towards automatic screening of idiopathic scoliosis using low-cost commodity sensors - validation study, In: *Advances in Intelligent Systems and Computing*, Editors: Rocha A., Adeli H., Reis L.P., Correia A.M., Reis L.P., Teixeira M.M., Reis L.P., Springer Verlag, 2016, str. 117-126, ISBN 978-331931306-1

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Petković M., Kanović Ž., Rapaić M.: "Self- Adaptive Expert System For Process Monitoring And Fault Detection", In: Martin, D. (Ed.) „ Fault Detection: Methods, Applications and Technology”, New York, Nova Publishers, 2016, str. 81-104, ISBN 1536103454

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Jakovljević B., Rapaić M., Pisano A., Usai E.: On the sliding-mode control of fractional-order nonlinear uncertain dynamics, *International Journal of Robust and Nonlinear Control*, 2016, Vol. 26, No 4, pp. 782-798, ISSN 1049-8923

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Bačkalić T., Bugarški V., Kulić F., Kanović Ž.: Adaptable Fuzzy Expert System for Ship Lock Control Support, *Journal of Navigation*, 2016, Vol. 69, No 6, pp. 1341-1356, ISSN 0373-4633

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Grabić S., Vekić M., Rapaić M.: A COMPREHENSIVE PROCEDURE FOR DEVELOPMENT OF POWER ELECTRONICS CONTROL SYSTEMS, *Thermal Science*, 2016, ISSN 0354-9836, UDK: 10.2298/TSCI151001026G
2. Porobić V., Adžić E., Rapaić M.: HIL EVALUATION OF CONTROL UNIT IN GRID-TIED CONVERTERS, *Thermal Science*, 2016, pp. 393-406, ISSN 0354-9836, UDK: doi: 10.2298/TSCI150928025P
3. Tegeltija S., Lazarević M., Stankovski S., Ćosić I., Todorović V., Ostojić G.: Heating Circulation Pump Disassembly Process Improved with Augmented Reality, *Thermal Science*, 2016, Vol. 20, No 2, pp. 611-622, ISSN 0354-9836

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Dalčeković N., Vukmirović S., Stoja S., Milošević N.: Enabling the IoT paradigm through multi-tenancy supported by scalable data acquisition layer, *Annales des Telecommunications - Annals of Telecommunications*, 2016, Vol. 1, No 12243, ISSN 0003-4347
2. Gecić M., Kapetina M., Marčetić D.: Energy Efficient Control of High Speed IPMSM Drives: Generalized PSO Approach, *Advances in Electrical and Computer Engineering*, 2016, Vol. 16, No 1, pp. 27-34, ISSN 1582-7445
3. Govedarica M., Jovanović D., Sabo F., Borisov M., Vrtunski M., Alargić I.: Comparison of MODIS 250 m products for early corn yield predictions: a case study in Vojvodina, Serbia, *Open Geosciences*, 2016, Vol. 8, No 1, pp. 747-759, ISSN 2391-5447, UDK: <https://doi.org/10.1515/geo-2016-0070>
4. Knežević A., Petković M., Mikov A., Jeremić-Knežević M., Demeši Drljan Č., Bošković K., Tomašević-Todorović S., Jeličić Z.: Factors that predict walking ability with a prosthesis in lower limb amputees., *Srpski arhiv za celokupno lekarstvo*, 2016, Vol. 144, No 9-10, pp. 507-513, ISSN 0370-8179, UDK: 616.718-085.477.22; 612.769
5. Petković M.: Factors that predict walking ability with prosthesis in lower limb amputees, *Srpski arhiv za celokupno lekarstvo*, 2016, Vol. 10, No 144, pp. 507-513, ISSN 0370-8179

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Čongradac V., Prebiračević B.: IMPACT OF ENERGY MANAGEMENT SOFTWARE ON THE IMPROVEMENT OF ENERGY PERFORMANCE IN PUBLIC BUILDINGS, 46. SMEITS, Beograd, 2-4 Decembar, 2015, ISBN 978-86-81505-70-0
2. Čongradac V.: Auto tuning of PID controller using Artificial Intelligence, 47. 47. Međunarodni kongres i izložba o klimatizaciji, grejanju i hlađenju, Beograd: SMEITS, 30-2 Novembar, 2016, pp. 393-399, ISBN 978-86-81505-82-3
3. Čongradac V.: AUTO TUNING OF PID CONTROLLER USING ARTIFICIAL INTELLIGENCE, 47. International HVAC&R Congress and Exhibition, Beograd: SMEITS, 30-2 Novembar, 2016, ISBN 978-86-81505-70-0

4. Jakovljević B., Jeličić Z., Kapetina M., Šekara T., Bošković M.: Distributed order PID optimization by minimization of combination of integral of positive and negative response parts, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad, 2016
5. Jakovljević B., Rapaić M., Bošković M., Šekara T.: A New Combined Performance Criterion for Optimization of PI Controller, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016
6. Kapetina M., Rapaić M., Jeličić Z., Pisano A.: Adaptive estimation of the gain, order and delay for a class of Fractional-Order Systems, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad, 2016
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8. Rackov M., Kanović Ž., Čavić M., Penčić M., Kuzmanović S., Knežević I., Vereš M.: Adopting Suitable HCR Tooth Flank Geometry in Order to Increase the Resistance of Scuffing, 5. International Conference on Power Transmissions, Ohrid: Faculty of Mechanical Engineering, 5-8 Oktobar, 2016, pp. 47-54, ISBN 978-608-4624-25-7
9. Vrgović P., Tekić Ž., Todorović V.: Open Innovation in WBC SMEs: Cross-Industrial Perspective, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences in Novi Sad, 21-23 Septembar, 2016, pp. 245-249, ISBN 978-86-7892-844-4

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Spasić D., Grahovac N., Žigić M., Rapaić M., Atanacković T.: Proceedings International Conference on Fractional Differentiation and its Applications Novi Sad, Serbia, July 18 - 20, 2016, 1. International Conference on Fractional Differentiation and its Applications: ICFDA16, Novi Sad: Faculty of technical sciences and Serbian society of mechanics, 2016, ISBN 978-86-7892-830-7

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bugarski V., Kamenko I., Nikolić P., Matić D.: A Modern SCADA System for the Hexane Solvent Extraction Desolventizer-Toaster in Soybean Flakes Production, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 4, pp. 157-160, ISSN 1821-4487, UDK: 633.43.003
2. Čongradac V., Lazarević S.: Simulacioni model klima-komore u realnom vremenu, Klimatizacija Grejanje Hlađenje (KGH), 2016, Vol. 45, No 4/2014, pp. 33-37, ISSN 0350-1426
3. Jakovljević B., Jeličić Z., Kapetina M., Rapaić M.: Projektovanje optimalnog regulatora necelog reda za upravljanje servo sistemom, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 1, pp. 25-28, ISSN 1821-4487
4. Kamenko I., Dimitrijević A., Kulić F., Nikolić P.: Web based application for optimal greenhouse production system selection, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 4, pp. 182-185, ISSN 1821-4487, UDK: 631.55/56:620.92
5. Kanović Ž., Petković M., Jeličić Z., Andrašić D.: Condition monitoring systems based on vibration acquisition – an overview and a case study, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 1, pp. 53-57, ISSN 1821-4487
6. Matić D., Lukač D., Bugarski V., Kulić F., Nikolić P.: Computer Aided Design with Eplan Electric P8 Educational, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 2, pp. 102-105, ISSN 1821-4487, UDK: 005.53
7. Nikolić P., Bugarski V., Matić D., Kamenko I., Kulić F.: Overview of possibilities in using communication channels for the purposes of data acquisition, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, pp. 186-188, ISSN 1821-4487, UDK: 631.55/56:620.92
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9. Petković M., Kanović Ž., Jeličić Z., Rapaić M.: PBRC algorithm in induction motor fault detection, Journal on Processing and Energy in Agriculture, 2016, Vol. 20, No 3, pp. 132-135, ISSN 1821-4487

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bošković M., Šekara T., Rapaić M., Kapetina M.: Root-locus based design of PI/PID controllers under constraints to performance, 6. 6th MATHEMATICAL CONFERENCE OF THE REPUBLIC OF SRPSKA, Pale, 21-22 Maj, 2016

2. Gecić M., Kapetina M., Popović V., Marčetić D.: Energetski efikasno upravljanje pogonom sa sinhronim reluktantnim motorom, 15. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, 16-18 Mart, 2016
3. Jakovljević B., Šekara T., Rapaić M., Jeličić Z.: Projektovanje optimalnog PID regulatora necelog reda maksimizacijom njegove amplitudske karakteristike, 15. INFOTEH-JAHORINA, Jahorina, 2016
4. Kapetina M., Rapaić M., Pisano A., Jeličić Z.: Jednovremena estimacija parametara difuznih procesa , 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016
5. Šekara T., Rapaić M., Kapetina M., Govedarica V.: Analiza prekidnog geometrijskog mjesta korijena u sistemima upravljanja , 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

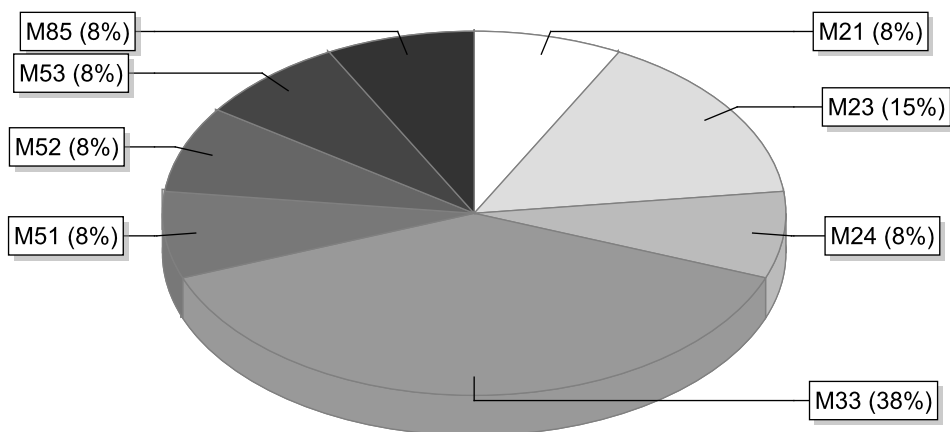
1. Bugarski V., Kamenko I., Nikolić P., Matić D.: Moderno rešenje nadzorno upravljačkog sistema pogona tostera heksanske ekstrakcije u proizvodnji sojinih flekica, 1. Procesna tehnika i energetika u poljoprivredi – PTEP 2016, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, Novi Sad, 17-22 April, 2016, pp. 11-12, ISBN 978-86-7520-367-4
2. Kamenko I., Dimitrijević A., Kulić F., Nikolić P.: Veb bazirana aplikacija za izbor optimalnog sistema gajenja biljaka u kontrolisanim uslovima , 1. Procesna tehnika i energetika u poljoprivredi – PTEP 2016, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, 17-22 April, 2016, pp. 43-44, ISBN 978-86-7520-367-4
3. Matić D., Lukač D., Bugarski V., Kulić F., Nikolić P.: Projektovanje primenom računara kroz prikaz programskog paketa Eplan Electric P8 Educational, 1. Procesna tehnika i energetika u poljoprivredi – PTEP 2016, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, Novi Sad, 17-22 April, 2016, pp. 60-61, ISBN 978-86-7520-367-4
4. Nikolić P., Bugarski V., Matić D., Kamenko I., Kulić F.: Pregled mogućnosti korišćenja različitih komunikacionih kanala za potrebe prikupljanja podataka, 1. Procesna tehnika i energetika u poljoprivredi – PTEP 2016, Borsko jezero: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi, 17-22 April, 2016, pp. 9-10, ISBN 978-86-7520-367-4

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za sisteme, signale i upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1





## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Marković M., Bajić J., Vrtunski M., Ninkov T., Vasić D., Živanov M.: Application of fiber-optic curvature sensor in deformation measurement process, *Measurement*, 2016, Vol. 92, pp. 50-57, ISSN 0263-2241, UDK: doi: 10.1016/j.measurement.2016.06.001

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Govedarica M., Jovanović D., Sabo F., Borisov M., Vrtunski M., Alargić I.: Comparison of MODIS 250 m products for early corn yield predictions: a case study in Vojvodina, Serbia, *Open Geosciences*, 2016, Vol. 8, No 1, pp. 747-759, ISSN 2391-5447, UDK: <https://doi.org/10.1515/geo-2016-0070>
2. Ilić V., Jorgovanović N., Antić A., Morača S., Ungureanu N.: A novel fully fast recovery EMG amplifier for the control of neural prosthesis, *Tehnicki vjesnik - Technical Gazette*, 2016, Vol. 23, No 4, pp. 1131-1137, ISSN 1330-3651

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Petrović V., Zlatanović D., Borisov M., Djurdjevac Ignjatovi L.: Concepts of 3D Terrain Modeling and Geomorphometric Analysis in Mining, *Mining and Metallurgy Engineering Bor*, 2016, No 3, pp. 1-12, ISSN 2334-8836, UDK: 622:681.33(045)=111

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Jovanović D., Govedarica M., Sabo F., Važić R., Popović D.: Impact analysis of pansharpening Landsat ETM+, Landsat OLI, WorldView-2, and Ikonos images on vegetation indices, 4. Fourth International Conference on Remote Sensing and Geoinformation of Environment, Paphos: Bellingham, WA : SPIE, The International Society for Optical Engineering, SPIE Digital Library, ISSN 0277-786X (print) 1996-756X (web) , 4-8 April, 2016, pp. 144-154, ISBN ISSN: 0277-786X, UDK: <http://dx.doi.org/10.1117/12.2241543>
2. Lazarević S., Čongradac V., Bojanić D., Mejić L., Tomić I.: Modeling of Solar Heat Gain of Thermal Zone, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016, pp. 1-5, ISBN 978-86-7466-618-0
3. Mejić L., Jorgovanović N., Došen S., Ilić V., Tepić Ž.: Analysis of the Myoelectric Signal Features During the Grasping, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016, ISBN 978-86-7466-618-0
4. Popov N., Vukov P., Krajoski G., Stanišić D., Bojanić D.: BURST MODULATED ALTERNATING CURRENT AFFERENT STIMULATION, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016
5. Ristić A., Govedarica M., Vrtunski M.: Educational package – usage of GPR technology and integrated survey for utility detection, 5. General Meeting of COST Action TU1208, Lisabon: Aracne, 2-4 Mart, 2016, pp. 55-60

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Davidović M., Petrović V., Borisov M.: Analysis of the Display of Digital Terrain Models using Different Interpolation Methods, *Geodetski list*, 2016, Vol. 70, No 3, pp. 267-282, ISSN 0016-710X, UDK: 528.93:517.518.85:519.21/.24

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Borisov M., Tegeltija M.: Analysis of geomorphological features of the mountain of Fruška Gora, *Srpska Nauka Danas (Serbian Science Today)*, 2016, Vol. 1, No 2, pp. 335-345, ISSN 2466-4189, UDK: 551.432 (497.113)

### Spisak rezultata M53 - Rad u naučnom časopisu

1. Borisov M., Petrović V., Davidović M.: Primena različitih metoda u kreiranju 3D modela terena i analiza kvaliteta podataka, *Geodetska služba*, 2016, No 121, pp. 35-47, ISSN 1451-0561, UDK: |528.932:004.921/.925|+|528.235+528.06|

### Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

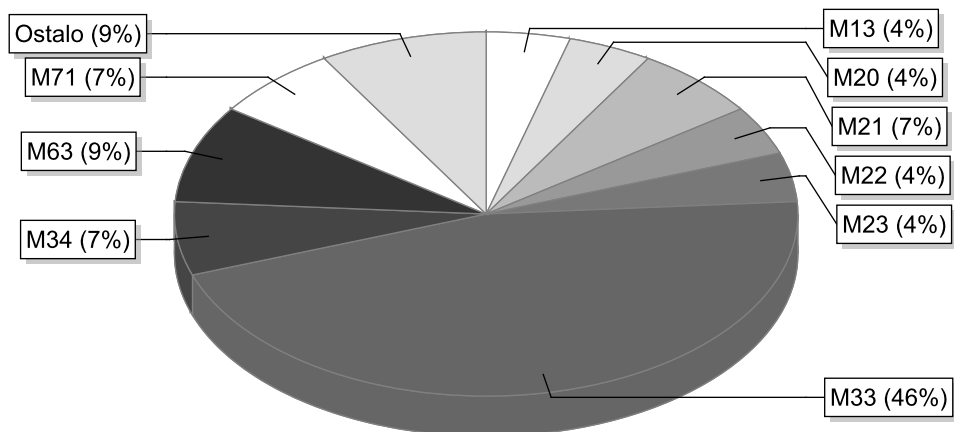
1. Živković A., Ilić V., Jorgovanović N., Zeljković M., Stanišić D., Popov N.: Sistem za merenje i kontrolu vibracija kotrljajnih ležaja, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za primenjene računarske nauke

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	2
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	21
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Obranjena doktorska disertacija	M71	3



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Dimitrijević D., Obradović Đ., Jocić M., Zečević I., Bjeljac P., Todorović V., Dimitrijević J.: Towards automatic screening of idiopathic scoliosis using low-cost commodity sensors - validation study, In: *Advances in Intelligent Systems and Computing*, Editors: Rocha A., Adeli H., Reis L.P., Correia A.M., Reis L.P., Teixeira M.M., Reis L.P., Springer Verlag, 2016, str. 117-126, ISBN 978-331931306-1
2. Gajić D., Stanković R., Radmanović M., Stojković S.: "Efficient Computing of the Gibbs Dyadic Derivatives", in *Problems and New Solutions in the Boolean Domain*, B. Steinbach (editor), Newcastle upon Tyne, Cambridge Scholars Publishing, 2016, str. 150-166

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Satarić B.: Hybrid OpenMP/MPI programs for solving the time-dependent Gross-Pitaevskii equation in a fully anisotropic trap, *Computer Physics Communications*, 2016, Vol. 200, pp. 411-417, ISSN 0010-4655
2. Sekulić D., Satarić B., Zdravković S., Bugay A., Satarić M.: Nonlinear dynamics of C-terminal tails in cellular microtubules, *Chaos*, 2016, Vol. 26, No 7, pp. 1-12, ISSN 1054-1500

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Ivanović D., Kupusinac A., Stokić E., Doroslovački R., Ivetić D.: ANN prediction of metabolic syndrome: A complex puzzle that will be completed, *Journal of Medical Systems*, 2016, Vol. 40, No 264, pp. 1-7, ISSN 0148-5598, UDK: DOI: 10.1007/s10916-016-0601-7
2. Kupusinac A., Stokić E., Kovačević I.: Hybrid EANN-EA System for the Primary Estimation of Cardiometabolic Risk, *Journal of Medical Systems*, 2016, Vol. 40, No 138, pp. 1-9, ISSN 0148-5598, UDK: DOI 10.1007/s10916-016-0498-1
3. Rakić P., Radošević S., Mali P., Stričević L., Petrić T.: Multipath Metropolis simulation: An application to the classical Heisenberg model, *Physica. A*, 2016, Vol. 441, pp. 69-80, ISSN 0378-4371

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Dimitrijević D., Obradović Đ., Nedić N., Luković I.: Automatic idiopathic scoliosis screening using low-cost commodity sensors, *Journal of Intelligent and Fuzzy Systems*, 2016, Vol. 31, No 4, pp. 2073-2082, ISSN 1064-1246, UDK: DOI:10.3233/JIFS-169046
2. Katić A., Čosić I., Kupusinac A., Vasiljević M., Stojić I.: Knowledge-Based Competitiveness Indices and Its Connection with Energy Indices, *Thermal Science*, 2016, Vol. 20, pp. 451-461, ISSN 0354-9836

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Gajić D., Stanković R., Radmanović M.: "Efficient Computation of Galois Field Expressions on Hybrid CPU-GPU Platforms", *Journal of Multiple Valued Logic and Soft Computing*, 2016, Vol. 260, No 3-5, pp. 417-438, ISSN 1542-3980
2. Luković I.: Uređivanje specijalne sekcije u časopisu "Special Section on Advances in Modeling Languages", *Computer Science and Information Systems*, 2016, Vol. 13, ISSN 1820-0214

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Adamović M., Ivetić D., Kupusinac A.: Versatile Program Model of Avatar Face, 51. ICEST International Scientific Conference on Information, Communication and Energy Systems and Technologies, Ohrid, 28-30 Jun, 2016
2. Arbutina M., Mihić S., Dragan D.: Techniques for 3D Human Body Scanning, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2016, pp. 10-16, ISBN 978-86-7892-84-44
3. Berdić N., Mihić S., Dragan D.: 3D Full Body Avatar Applicability in Consumer Products, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2016, pp. 24-29, ISBN 978-86-7892-84-44
4. Bondžić (Simić) J., Popov S., Novaković T., Draganić (Vukoslavče S., Sremački M.): Software for Hazard Scenarios Modelling, 7. ITRO - International Conference on Information Technology and Development of Education, Zrenjanin: University of Novi Sad, Technical faculty „Mihajlo Pupin”, 10 Jun, 2016, pp. 392-396, ISBN 978-86-7672-285-3
5. Dimitrieski V., Petrović G., Kovačević A., Luković I., Fujita H.: A Survey on Ontologies and Ontology Alignment Approaches in Healthcare, 29. International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, Morioka: Springer, 2-4 Avgust, 2016, pp. 373-385, ISBN 1611-

6. Dragan D., Mihić S., Ivetić D.: Examples of Rapid Development of 3D Content Using Windows Presentation Foundation and Helix Toolkit, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG) Faculty of Civil Engineering, University of Belgrade, Akademski misao, 23-26 Jun, 2016, pp. 194-205, ISBN 978-86-7466-614-2
7. Ferenčak M., Radišić M., Dobromirov D., Kupusinac A.: Customization Approach for SME risk assessment, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: University of Novi Sad - Faculty of Technical Sciences - Department for Industrial Engineering and Management, 21-23 Septembar, 2016, pp. 72-75, ISBN 978-86-7892-84-44
8. Ivančević V., Igić N., Knežević M., Terzić B., Luković I.: Decision Trees as Readable Models for Early Childhood Caries, 8. International Conference on Intelligent Decision Technologies, Tenerife: Springer, 15-17 Jun, 2016, pp. 441-451, ISBN 978-3-319-39627-9, UDK: DOI: 10.1007/978-3-319-39627-9\_39
9. Ivković M., Vasiljević M., Vasiljević P., Markoski B.: AN ANDROID SOLUTION FOR GATHERING STATISTICAL DATA IN BASKETBALL AND ITS COMPARISON WITH EXISTING SOLUTIONS, 35. International Conference on Recent Advances in Engineering and Technology (ICRAET), Miami: IASTEM INTERNATIONAL CONFERENCE, 29 April, 2016, ISBN 978-93-85973-85-7
10. Letić M., Atlagić B., Ivetić D.: Network drawing application for use in modern web browsers, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, ISBN ISBN: 978-86-85525-1
11. Luburić N., Stojkov M., Savić G., Sladić G., Milosavljević B.: Crypto-tutor: An educational tool for learning modern cryptography, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 29-31 Avgust, 2016, pp. 205-210
12. Penca V., Nikolić S., Ivanović D.: Mapping scheme from Greenstone to CERIF format, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016
13. Petrović G., Dimitrieski V., Fujita H.: A Deep Learning Approach for Searching Cloud-Hosted Software Projects, 15. International Conference on Intelligent Software Methodologies, Tools and Techniques, Larnaka: IOS Press, 12-14 Septembar, 2016, pp. 358-368, ISBN 978-1-61499-674-3, UDK: DOI: 10.3233/978-1-61499-674-3-358
14. Petrović G., Dimitrieski V., Fujita H.: Cloud-based Health Monitoring System Based on Commercial Off-the-Shelf Hardware, 2. IEEE International Conference on Systems, Man and Cybernetics (SMC 2010), Budimpešta: IEEE Systems, Man, and Cybernetics Society, 9-12 Oktobar, 2016, pp. 3713-3718, ISBN 978-1-5090-1819-2
15. Petrović V., Dragan D., Ivetić D.: Pixel-Based Focus Evaluation Algorithms With Applications in Visual Impairment Simulation, 5. International Conference moNGeometrija, Beograd: Akademski Misao, 23-26 Jun, 2016, pp. 320-330, ISBN 978-86-7466-614-2
16. Petrović V., Ivetić D.: Visual Impairment Simulation for Inclusive Interface Design, 24. International Conferences in Central Europe on Computer Graphics, Visualization and Computer Vision, Plzeň, 30-3 Maj, 2016
17. Ristić S., Kordić (Aleksić) S., Čeliković M., Dimitrieski V., Luković I.: A Model-to-Model Transformation of a Generic Relational Database Schema into a Form Type Data Model, 6. Federated Conference on Computer Science and Information Systems, Gdansk: Polskie Towarzystwo Informatyczne Warszawa and IEEE New York City, 11-14 Septembar, 2016, pp. 1577-1580, ISBN 978-83-60910-92-7, UDK: <http://dx.doi.org/10.15439/2016F408>, ISSN 2300-5963,
18. Stanisavljević A., Katić V., Popadić B., Dumnić B., Radišić R., Kovačević I.: Reduced FFT algorithm for network voltage disturbances detection, 11. INDEL, Banja Luka: IEEE Industry Applications Society and IEEE Power Electronics Society, 3-5 Novembar, 2016, pp. 1-6, ISBN 978-1-5090-2329-5
19. Terzić B., Kordić (Aleksić) S., Čeliković M., Dimitrieski V., Luković I.: An Approach and DSL in support of Migration from relational to NoSQL Databases, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, pp. 179-185, ISBN 978 - 86 - 85525 - 1
20. Vangheluwe H., Giese H., Broenink J., Schätz B., Norta A., Carreira P., Luković I., Mayerhofer T., Wimmer M., Vallecillo A.: MPM4CPS: Multi-Paradigm Modelling for Cyber-Physical Systems, 4. Software Technologies: Applications and Foundations (STAF), Beč: CEUR Workshop Proceedings, 4-8 Jul, 2016, pp. 40-47, ISBN 1613-0073

21. Vidaković J., Luković I., Kordić (Aleksić) S.: Specification and Validation of the Referential Integrity Constraint in XML Databases, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Association for Information systems and Computer networks, 29-2 Februar, 2016, pp. 197-202, ISBN 978-86-85525-18-6

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Gajić D., Stanković R.: "Computational Efficiency of the GF and the RMF Transforms for Quaternary Logic Functions on CPUs and GPUs", 5. Logic and Applications, Dubrovnik, 19-23 Septembar, 2016, pp. 21-23
2. Mihailović A., Lakatoš R., Budinski-Petković Lj., Ninkov J., Milić S., Popov S., Vučinić-Vasić M.: Copper, lead and zinc content in surface soil collected from urban area of Novi Sad, Serbia, 1. EUROSOL, Istanbul, 16-21 Oktobar, 2016
3. Popov S., Dolinaj D., Stankov U., Pavić D., Čosić Đ., Armenski T., Popović Lj.: Data analysis of WAHASTRAT monitoring system - typology, acquisition and data interoperability (from data to information), 4. Romanian-Bulgarian-Hungarian-Serbian Conference. Geographical Research and Cross-Border Cooperation within the Lower Basin of the Danube, Vidin, 15-17 Septembar, 2016, pp. 47-47, ISBN 978-954-723-179-5

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Gajić D.: Logičko projektovanje - rešavanje zadataka pomoću MATLAB-a, Priručnik za laboratorijske vežbe, Niš, Elektronski fakultet Niš, 2016, str. 1-57

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Tepić G., Simeunović N., Milisavljević S., Kupusinac A.: Hazards due to exposure to ionizing radiation, Ecologica, 2016, No 83, pp. 487-491, ISSN 0354-3285

Spisak rezultata M53 - Rad u naučnom časopisu

1. Mijatov G., Popov S., Bondžić (Simić) J.: Primena informacionih tehnologija u upravljanju rizikom, Zbornik radova Fakulteta tehničkih nauka, 2016, No 12/2016, pp. 2438-2441, ISSN 0350-428X

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Čosić Đ., Popov S., Novaković T.: Primena geoinformatike pri mapiranju socijalne ranjivosti na poplave, 23. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže, 28-2 Februar, 2016, pp. 52-57, ISBN 978-86-85525-17-9
2. Ferenčak M., Radišić M., Dobromirov D., Kupusinac A.: Određivanje značaja posmatranih parametara prilikom podrške malih i srednjih preduzeća od strane javnih institucija, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka Univerziteta u Novom Sadu, 16-19 Februar, 2016, pp. 273-276, ISBN 978-86-7892-795-9
3. Manasijević A., Vasiljević M., Stojić I., Kovačević I., Kupusinac A.: Primena Bolonjskog procesa i mesto studenata u nastavnom procesu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 208-211, ISBN 987-86-7892-795-9
4. Vrbaški D., Doroslovački R., Kovačević I., Kupusinac A.: Uloga i značaj demonstratora u poboljšanju kvaliteta nastavnog procesa, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 200-204, ISBN 987-86-7892-795-9

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Gajić D., Stanković R.: "On the Computational Efficiency of the Galois Field and the Reed-Muller-Fourier Transforms of Multiple-Valued Logic Functions", 6. Verovatnosne logike i primene, Beograd: Matematički institut SANU, 6 Oktobar, 2016, pp. 14-15

Spisak rezultata M71 - Odbranjena doktorska disertacija

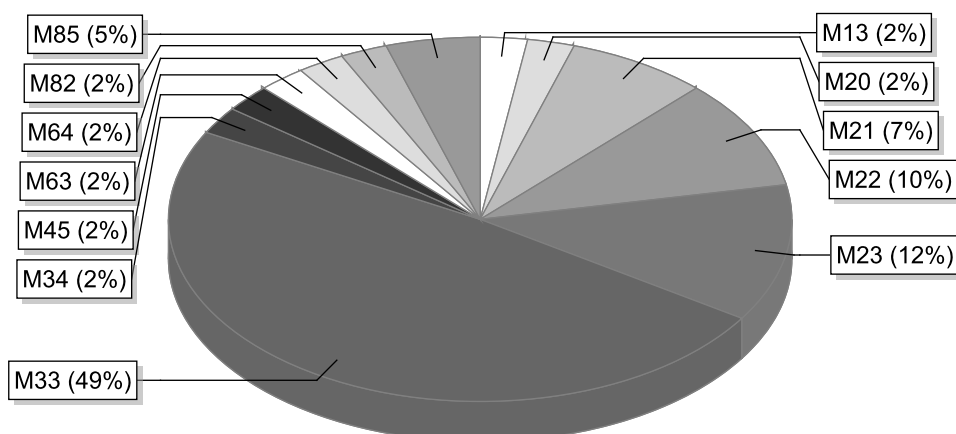
1. Marić P.: Hibridna softverska arhitektura kao podrška primeni harmonijski spojenog metoda konačnih traka, 2016
2. Nikolić S.: Modelovanje i implementacija sistema za podršku vrednovanju publikovanih naučno-istraživačkih rezultata, 2016
3. Stričević L.: Pristup agregaciji mrežnih veza u operativnom sistemu sa mikrojezgom, Novi Sad, Fakultet tehničkih nauka, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informatiku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	5
Saopštenje sa međunarodnog skupa štampano u celini	M33	20
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	2



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Dimitrijević D., Obradović Đ., Jocić M., Zečević I., Bjeljac P., Todorović V., Dimitrijević J.: Towards automatic screening of idiopathic scoliosis using low-cost commodity sensors - validation study, In: *Advances in Intelligent Systems and Computing*, Editors: Rocha A., Adeli H., Reis L.P., Correia A.M., Reis L.P., Teixeira M.M., Reis L.P., Springer Verlag, 2016, str. 117-126, ISBN 978-331931306-1

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Perišić A., Lazić M., Perišić B.: The Extensible Orchestration Framework approach to collaborative design in architectural, urban and construction engineering, *Automation in Construction*, 2016, Vol. 71, pp. 210-225, ISSN 0926-5805

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Dejanović I., Milosavljević G., Vaderna R.: Arpeggio: A Flexible PEG Parser for Python, *Knowledge-Based Systems*, 2016, Vol. 95, pp. 71-74, ISSN 0950-7051
2. Ivanović D., Jovanović M., Fritsche F.: Analysis of scientific productivity and cooperation in the republics of former Yugoslavia before, during and after the Yugoslav wars, *Scientometrics*, 2016, Vol. 107, No 2, pp. 499-519, ISSN 0138-9130
3. Mitrović D., Ivanović M., Vidaković M., Budimac Z.: The Siebog multiagent middleware, *Knowledge-Based Systems*, 2016, Vol. 103, pp. 56-59, ISSN 0950-7051

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Dimitrijević D., Obradović Đ., Nedić N., Luković I.: Automatic idiopathic scoliosis screening using low-cost commodity sensors, *Journal of Intelligent and Fuzzy Systems*, 2016, Vol. 31, No 4, pp. 2073-2082, ISSN 1064-1246, UDK: DOI:10.3233/JIFS-169046
2. Ivanović D., Ho Y.: Highly cited articles in the Information Science and Library Science category in Social Science Citation Index: A bibliometric analysis, *Journal of Librarianship and Information Science*, 2016, Vol. 48, No 1, pp. 36-46, ISSN 0961-0006
3. Ivanović D.: Cataloguing government documents using the MARC 21: A case study of materials from the AP Vojvodina government sessions, *Journal of Librarianship and Information Science*, 2016, Vol. 48, No 4, pp. 363-372, ISSN 0961-0006
4. Savić G., Segedinac M., Sladić G., Gostojić S., Konjović Z.: A Machine-Readable Description of Generic Instructional Strategies in e-Courses, *Computer Applications in Engineering Education*, 2016, Vol. 24, No 5, pp. 665-675, ISSN 1061-3773

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Mandić M., Konjović Z., Ivanović M.: Platform for Computer-aided Harmonization of Informatics Curricula, *Acta Polytechnica Hungarica, Journal of Applied Sciences*, 2016, Vol. 13, No 3, pp. 159-179, ISSN 1785-8860
2. Mitrović D., Ivanović M., Vidaković M., Budimac Z., Vidaković J.: Siebog: an Enterprise-Scale Multiagent Middleware, *Information Technology and Control*, 2016, Vol. 45, No 2, pp. 164-174, ISSN 1392-124X
3. Petrušić D., Konjović Z., Segedinac M.: Semantic modelling and ontology integration of the open government systems, *Tehnicki vjesnik - Technical Gazette*, 2016, Vol. 23, No 6, ISSN 1330-3651
4. Sladić G., Gostojić S., Milosavljević B., Konjović Z., Milosavljević G.: Computer Aided Anonymization and Redaction of Judicial Documents, *Computer Science and Information Systems*, 2016, Vol. 13, No 1, pp. 217-236, ISSN 1820-0214
5. Vuković Ž., Milanović N., Vaderna R., Dejanović I., Milosavljević G., Malbaša V.: Semantic-aided automation of interface mapping in enterprise integration with conflict detection, *Information Systems and e-Business Management*, 2016, Vol. 14, ISSN 1617-9846

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Balać V., Vidaković M.: Extendable Multiplatform Approach to the Development of the Web Business Applications, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, ISBN 978-86-85525-18-6
2. Batinica A., Raković M., Zarić M., Borovac B., Nikolić M.: Motion Planning of a Robot in Real-Time based on the General Model of Humanoid Robots, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica: IEEE Xplore, 29-31 Avgust, 2016

3. Cverdelj-Fogaraši I., Sladić G., Gostojić S., Segedinac M., Milosavljević B.: A Meta-metadata Ontology Based on ebRIM Specification, 5. International Conference on Information Science and Technology (ICIST 2015), Kopaonik, 8-11 Mart, 2015, pp. 241-246, ISBN 978-86-85525-16-2
4. Dimitrieski V., Petrović G., Kovačević A., Luković I., Fujita H.: A Survey on Ontologies and Ontology Alignment Approaches in Healthcare, 29. International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, Morioka: Springer, 2-4 Avgust, 2016, pp. 373-385, ISBN 1611-3349, UDK: 10.1007/978-3-319-42007-3
5. Ivanović L., Ivanović D.: Non-English PhD dissertations and associated English journal papers , 19. ETD 2016 "Data and Dissertations" 19th International Symposium on Electronic Theses and Dissertations, Lille, 11-13 Jul, 2016
6. Ivanović M., Ivković J., Vidaković M., Luburić N., Badica C.: Fault-Tolerance in XJAF Agent Middleware, Lecture notes in computer science, 2016, Vol. 9876, pp. 25-34, ISSN 0302-9743, 8. International Conference on Computational Collective Intelligence (ICCCI), Halkidiki: Springer, 28-30 Septembar, 2016, pp. 25-34, ISBN 978-3-319-45245-6
7. Luburić N., Ivanović D.: Comparing Apache Solr and Elasticsearch search servers, 6. International Conference on Information Science and Technology (ICIST), Kopaonik, 29-2 Februar, 2016
8. Luburić N., Savić G., Milosavljević G., Segedinac M., Slivka J.: A code generator for building front-end tier of REST-based rich client web applications, 6. International Conference on Information Science and Technology (ICIST), Kopaonik, 29-2 Februar, 2016, pp. 28-33
9. Luburić N., Stojkov M., Savić G., Sladić G., Milosavljević B.: Crypto-tutor: An educational tool for learning modern cryptography, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 29-31 Avgust, 2016, pp. 205-210
10. Malbaša V., Chen P.: A Data Driven Approach to Locating Problem Areas in the Smart Grid Under a Dynamic Population, 4. International Regional eCAADe Workshop, Novi Sad: eCAADe (Education and Research in Computer Aided Architectural Design in Europe) and Faculty of Technical Sciences, University of Novi Sad, 19-20 Maj, 2016, pp. 50-54, ISBN -86-7892-807-9
11. Mandić M., Konjović Z.: Collaborative development of informatics curricula based on semantic technologies, 3. INTERNATIONAL SCIENTIFIC CONFERENCE ON ICT AND E-BUSINESS RELATED RESEARCH - Sinteza, Beograd: Singidunum University, 32 Danijelova Street, Belgrade, 22 April, 2016, pp. 3-9, ISBN 978-86-7912-628-3
12. Marković M., Gostojić S., Sladić G., Stojkov M., Milosavljević B.: Survey of Open Data in Judicial Systems, 6. International Conference on Information Science and Technology (ICIST), Kopaonik, 29-2 Februar, 2016, pp. 64-69
13. Maruna V., Mercer T., Zečević I., Perišić B., Bjeljic P.: The Business Process Transformation Framework Implementation through Metamodel Extension, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, pp. 11-17, ISBN 978-86-85525-18-6
14. Nikolić N., Savić G., Molnar R., Gostojić S., Milosavljević B.: Management of Accreditation Documents in Serbian Higher Education using ontology based on ISO 82045 standards, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, pp. 148-153, ISBN 978-86-85525-18-6
15. Penca V., Nikolić S., Ivanović D.: Mapping scheme from Greenstone to CERIF format, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016
16. Simić M.: Clover: Property Graph based metadata management service, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, pp. 81-85, ISBN 978-86-85525-18-6
17. Slivka J., Kovačević A.: Co-training based algorithm for gender detection from emotional speech, 6. International Conference on Information Science and Technology (ICIST), Kopaonik, 29-2 Februar, 2016
18. Stojaković V., Tepavčević B., Malbaša V.: DIGITAL TECHNIQUES, DESIGN AND PRODUCTION IN ARCHITECTURAL EDUCATION, 10. INTED, Valencia, 7-9 Mart, 2016, pp. 6101-6108, ISBN 978-84-608-5617-7
19. Stojkov M., Gostojić S., Sladić G., Marković M., Milosavljević B.: Open Government Data in Western Balkans: Assessment and Challenges, 6. International Conference on Information Science and Technology (ICIST), Kopaonik, 29-2 Februar, 2016



20. Zečević I., Perišić B., Bjeljac P., Venus D.: Role of Pivot Metamodel in Automatic Generation of Metamodel Extension, 6. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 29-2 Februar, 2016, pp. 337-342, ISBN 978-86-85525-18-6

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Novković M., Obradović Đ., Cvijanović (Laketić) D., Krtolica I., Kaplar A., Živković M., Teodorović I., Vojinović-Miloradov M., Radulović S.: Being smart in a multi-stressed world – predicting the stress impact on Lemna minor L., Ceratophyllum demersum L. and Mentha aquatica L. along The Danube river using ANN trained algorithms. Book of Abstracts. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016. 19-21 september 2016, Novi Sad, Serbia. 45., 1. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016, Novi Sad, 19-21 Septembar, 2016

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Surla D., Konjović Z., Paroški M., Rudić G., Andrić S.: Информациони захтеви за јавни електронски сервис за приступ записницима са седница Владе АП Војводина, Zrenjanin, 2016, str. 1-20

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Cvetanovski M., Bjeljac P., Nićin M., Zečević I., Horvat S.: Security Aspects of Banking Kiosks in Serbia's Payment System, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 16-18 Mart, 2016, pp. 599-603, ISBN 978-99955-763-9

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Horvat S., Rodić (Milenković) D., Segedinac M., Segedinac M., Hrin T.: Poređenje metoda procene kompleksnosti stehiometrijskih zadataka, 2. Didaktička konferencija Predmetne didaktike – putokazi za unapređenje nastave, Beograd: Društvo predmetnih didaktičara Srbije, 18 Jun, 2016, pp. 18-18, ISBN 978-86-918423-2-1

Spisak rezultata M82 - Nova proizvodna linija, novi materijal, industrijski prototip,

1. Vaderna R., Vuković Ž., Milosavljević G., Dejanović I.: ReingIS - alat za brz razvoj i reinženjering informacionih sistema, 2016

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

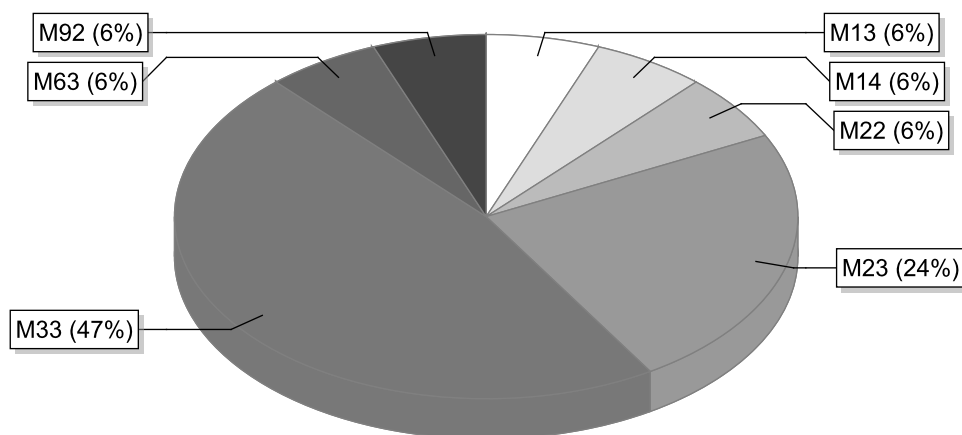
1. Cverdelj-Fogaraši I.: Digitalna arhiva sudskih predmeta, 2016
2. Tomić J., Vidaković M., Kušljević M., Rajs V., Sovilj P., Mitrović Z.: MERNI SISTEM ZA PREDIKCIJU ZAGAĐENJA VAZDUHA U URBANIM SREDINAMA, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarsku tehniku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Milovanovic D., Kukolj D., Bojkovic Z.: Recent Advances on 3D Video Coding Technology: HEVC Standardization Framework, in Connected Media in the Future Internet Era, A. Kondo, T. Dagiuklas (eds.), New York, Springer Science, 2016, str. 77-106, ISBN 978-1-4939-4024-0, UDK: DOI 10.1007/978-1-4939-4026-4\_4

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Milovanovic D., Kukolj D.: Recent advances in UHD video coding technology: High Dynamic Range and Wide Color Gamut, IEEE COMSOC MMTC Communications - Frontiers, January 2016, [http://mmc.committees.comsoc.org/files/2016/06/MMTC\\_Communication-Frontiers\\_Jan\\_2016.pdf](http://mmc.committees.comsoc.org/files/2016/06/MMTC_Communication-Frontiers_Jan_2016.pdf), IEEE, 2016, str. 50-55

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Sandic-Stankovic D., Kukolj D., Le Calett P.: "DIBR synthesized image quality assessment based on morphological multiscale approach", EURASIP Journal on Advances in Signal Processing, 2016, Vol. 2017, No 4, ISSN 1687-6172, UDK: DOI: 10.1186/s13640-016-0124-7, <http://www.jivp.urasipjournals.com/content/2017/1/4>

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Bašičević I., Očovaj S., Popović M.: The value of flow size distribution in entropy based detection of DoS attacks, Security and Communication Networks, 2016, Vol. 9, No 10, pp. 958-965, ISSN 1939-0114
2. Krunic M., Popović M., Krunic V., Četić N.: Energy Consumption Estimation for Embedded Applications, Elektronika Ir Elektrotehnika, 2016, Vol. 22, No 3, pp. 44-49, ISSN 1392-1215
3. Lebl A., Mitić D., Popović M., Markov Ž., Mileusnić M., Matić V.: Influence of Mobile User's Density Distribution on the CDMA Base Station Power, Journal of Electrical Engineering, 2016, Vol. 67, No 6, pp. 390-398, ISSN 1335-3632
4. Sandic-Stankovic D., Kukolj D., Le Calett P.: MULTI-SCALE SYNTHESIZED VIEW ASSESSMENT BASED ON MORPHOLOGICAL PYRAMIDS, [http://iris.elf.stuba.sk/cgi-bin/jeeec?act=abs&no=1\\_116&ttl=1](http://iris.elf.stuba.sk/cgi-bin/jeeec?act=abs&no=1_116&ttl=1), Journal of Electrical Engineering, 2016, Vol. 67, No 1, pp. 1-9, ISSN 1335-3632, UDK: DOI: 10.1515/jee-2016-0001

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Doder D., Četić N., Kovačević J., Popović M.: Implementation of low cost wireless acoustic sensor based on ESP8266 module, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016
2. Kaprocki N., Kovačević J., Pečkai Kovač R., Malko M.: DSP implementation of the surround speaker virtualizer for sound bar systems, 24. Telekomunikacioni forum TELFOR, Beograd: DSP implementation of the surround speaker virtualizer for sound bar systems, 22-23 Novembar, 2016, pp. 415-418, ISBN 978-1-5090-4085-8
3. Krnjetin M., Četić N.: Scripting framework for graphical configuration tool for embedded devices, 24. Telekomunikacioni forum TELFOR, Beograd, 22-23 Novembar, 2016
4. Krunic M., Považan I., Popović M., Kovačević J.: Data flow CAD tool, for firmware development and power consumption estimation in Multi-core hearing aids, 34. IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, 7-10 Januar, 2016, pp. 575-576, ISBN 978-1-4673-8363-9
5. Mitić D., Lebl A., Popović M., Mileusnić M., Markov Ž.: Influence of coder type on the characteristics of signal echo in packet voice connections, 16. UNITECH International Scientific Conference, Gabrovo, 18-19 Novembar, 2016, pp. 75-80
6. Popović M., Kordić B., Bašičević I.: Estimating Transaction Execution Times for a Software Transactional Memory, 6. IEEE International Conference on Information Science and Technology (ICIST), Dalian, 6-8 Maj, 2016, pp. 137-141, ISBN 978-1-5090-1220-6
7. Sandic-Stankovic D., Kukolj D., Le Calett P.: "Free viewpoint video quality assessment based on morphological multiscale metrics", QoMEX 2016, 6-8 June 2016, Lisbon., 8. Fifth International Workshop on Quality of Multimedia Experience 2013, Lisbon: IEEE, 6-8 Jun, 2016, pp. 1-6, UDK: 10.1109/QoMEX.2016.7498949
8. Sebastijan N., Četić N., Stefanovic D.: Real-Time Web-Based System for Remote Monitoring of Automatic Test Execution on Set-Top Boxes, 34. IEEE International Conference on Consumer Electronics (ICCE), Las

Vegas, 7-10 Januar, 2016, ISBN 978-1-4673-8363-9

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Reljić V., Ostojić G., Kukulj D., Tarjan L., Lazarević M.: Praćenje životnog ciklusa prehrambenih proizvoda, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2016, pp. 419-423, ISBN 978-99955-763-9-4

Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

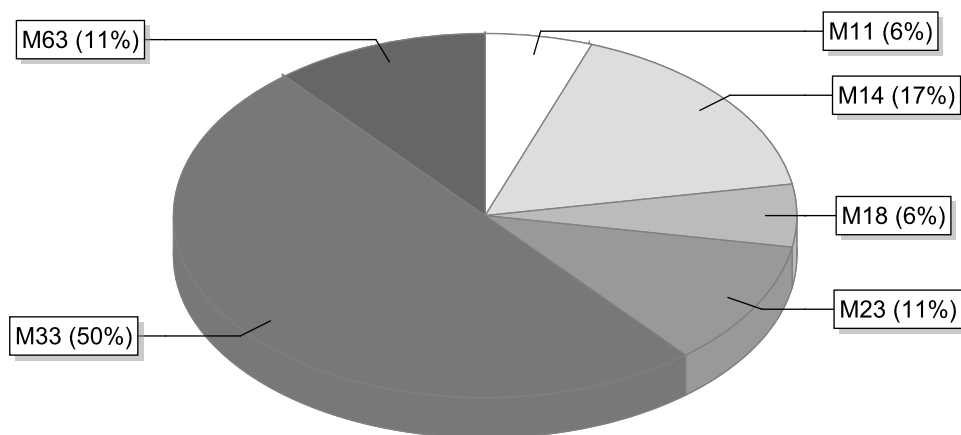
1. Kukulj D., Djordjevic D., Bjelica M., Milosevic M.: Metod za određivanje emocionalnog stanja korisnika usled vizuelnog uticaja, P-2016-1174, filed 23.12.2016, Beograd, Zavod za intelektualnu svojinu Srbije, 2016

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarske komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Istaknuta monografija međunarodnog značaja	M11	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	3
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja	M18	1
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M11 - Istaknuta monografija međunarodnog značaja

1. Temerinac M., Lukač Ž., Kaštelan I.: Osnovi Algoritma i struktura DSP 2, Novi Sad, Fakultet tehničkih nauka, 2016, ISBN 978-867892-802-4

### Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Barak M., Kaštelan I., Azia Z.: Exploring aspects of self-regulated learning among engineering students learning digital system design in the FPGA environment – methodology and findings, Springer, 2016, str. 139-160, ISBN 978-3-319-27539-0, UDK: 10.1007/978-3-319-27540-6
2. Kaštelan I., Teslić N., Temerinac M.: Challenges in Embedded Engineering Education, Springer, 2016, str. 1-27, ISBN 978-3-319-27539-0, UDK: 10.1007/978-3-319-27540-6
3. Kaštelan I., Teslić N., Temerinac M.: Unified Learning Platform for Embedded Engineering, Springer, 2016, str. 29-43, ISBN 978-3-319-27539-0, UDK: 10.1007/978-3-319-27540-6

### Spisak rezultata M18 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja

1. Szewczyk R., Kaštelan I., Temerinac M., Barak M., Sruk V.: Embedded Engineering Education (series: Advances in Intelligent Systems and Computing), Springer, 2016, str. 1-185, ISBN 978-3-319-27539-0, UDK: 10.1007/978-3-319-27540-6

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Bašičević I., Očovaj S., Popović M.: The value of flow size distribution in entropy based detection of DoS attacks, Security and Communication Networks, 2016, Vol. 9, No 10, pp. 958-965, ISSN 1939-0114
2. Pjevalica N., Petrović N., Pjevalica V., Teslić N.: Experimental Detection of Transformer Excitation Asymmetry through the Analysis of the Magnetizing Current Harmonic Content, Elektronika Ii Elektrotehnika, 2016, Vol. 22, No 2, pp. 43-48, ISSN 1392-1215

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Doder D., Četić N., Kovačević J., Popović M.: Implementation of low cost wireless acoustic sensor based on ESP8266 module, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor, 13-16 Jun, 2016
2. Đekić N., Janković M., Pjevalica N.: USB controlled relay switch, 24. Telekomunikacioni forum TELFOR, Beograd: TELFOR, 22-23 Novembar, 2016, pp. 754-757, ISBN 978-1-5090-4085-8, UDK: DOI: 10.1109/TELFOR.2016.7818890
3. Kaprocki N., Kovačević J., Pečkai Kovač R., Malko M.: DSP implementation of the surround speaker virtualizer for sound bar systems, 24. Telekomunikacioni forum TELFOR, Beograd: DSP implementation of the surround speaker virtualizer for sound bar systems, 22-23 Novembar, 2016, pp. 415-418, ISBN 978-1-5090-4085-8
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5. Kordić B., Kaštelan I., Pilipović M., Lulić D.: A Framework for Consumer Devices Reliability Metrics Estimation, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: Društvo za ETRAN, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
6. Krunic M., Považan I., Popović M., Kovačević J.: Data flow CAD tool, for firmware development and power consumption estimation in Multi-core hearing aids, 34. IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, 7-10 Januar, 2016, pp. 575-576, ISBN 978-1-4673-8363-9
7. Pjevalica V., Pjevalica N., Petrović N., Teslić N.: A novel simulation approach for measuring of DC voltage offset influence on magnetizing current even harmonics in the power transformer by using dither, 24. Telekomunikacioni forum TELFOR, Beograd: TELFOR, 22-23 Novembar, 2016, pp. 527-530, ISBN 978-1-5090-4085-8, UDK: DOI: 10.1109/TELFOR.2016.7818838
8. Subotić M., Palfi L., Pjevalica N.: Customizing Hybrid Optimization for Microwave Tomography, 19. MATCOS Middle-European Conference on Applied Theoretical Computer Science, Ljubljana: University of Ljubljana, 12-13 Oktobar, 2016, pp. 5-8, ISBN 978-961-264-104-7
9. Subotić M., Palfi L., Pjevalica N.: Efficient antenna modeling method for microwave tomography, 24. Telekomunikacioni forum TELFOR, Beograd: TELFOR, 22-23 Novembar, 2016, pp. 490-493, ISBN 978-1-

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

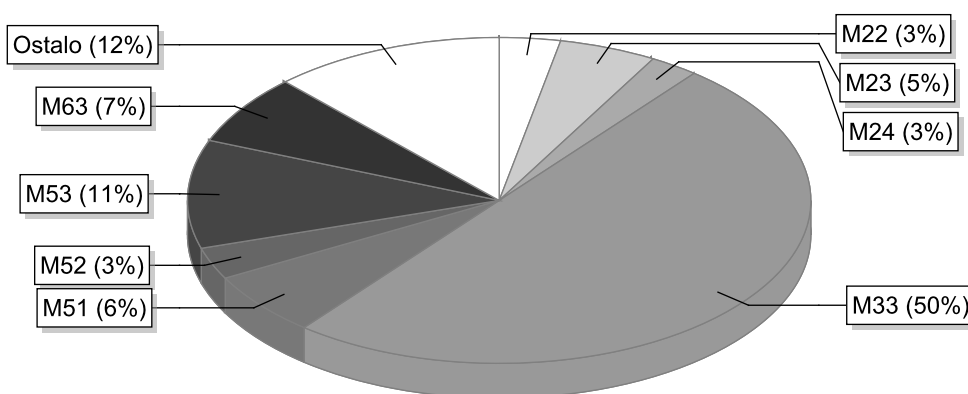
1. Polovina V., Stefanović S., Simić Đ., Kaštelan I.: Transkodovanje podataka za potrebe smeštanja u MPEG Transport Stream, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: Društvo za ETRAN, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
2. Tankosić M., Mičić U., Miljković Đ., Kaštelan I.: Automatizacija ispitivanja integrisanog okruženja za DSP na principu crne kutije, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: Društvo za ETRAN, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za građevinarstvo i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografija međunarodnog značaja	M12	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	5
Rad u međunarodnom časopisu	M23	8
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	4
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	79
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	2
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	10
Rad u časopisu nacionalnog značaja	M52	5
Rad u naučnom časopisu	M53	17
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	11
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



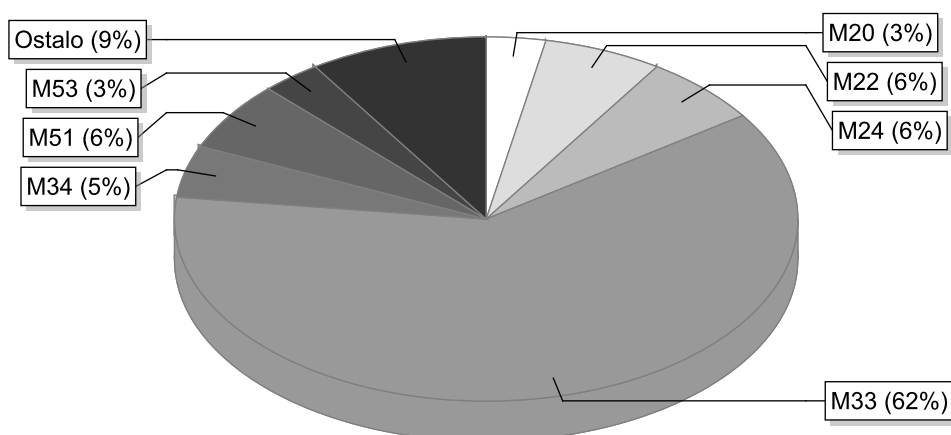


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za konstrukcije

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	40
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u naučnom časopisu	M53	2
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Harmati N., Magyar N., Folić R.: Multi – criterion optimization of building envelope in the function of indoor illumination quality towards overall energy performance improvement, *Energy*, 2016, Vol. 114, pp. 302-317, ISSN 0360-5442
2. Maoduš N., Agarski B., Kočetov Mišulić T., Budak I., Radeka M.: Life cycle and energy performance assessment of three wall types in South-Eastern Europe region, *Energy and Buildings*, 2016, Vol. 113, pp. 605-614, ISSN 0378-7788

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Vukobratović V., Fajfar P.: A method for the direct estimation of floor acceleration spectra for elastic and inelastic MDOF structures, *Earthquake Engineering and Structural Dynamics*, 2016, Vol. 45, No 15, pp. 2495-2511, ISSN 0098-8847

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Harmati N., Folić R., Magyar Z., Dražić J., Kurtović-Folić N.: Building Envelope Influence on the Annual Energy Performance in Office Buildings, *Thermal Science*, 2016, Vol. 20, No 2, pp. 679-693, ISSN 0354-9836
2. Lee V., Trifunac M., Bulajić B., Manić M.: A preliminary empirical model for frequency-dependent attenuation of Fourier amplitude spectra In Serbia from the Vrancea earthquakes, *Soil Dynamics and Earthquake Engineering*, 2016, Vol. 83, pp. 167-179, ISSN 0267-7261
3. Lee V., Trifunac M., Bulajić B., Manić M.: Preliminary empirical scaling of pseudo relative velocity spectra in Serbia from the Vrancea earthquakes, *Soil Dynamics and Earthquake Engineering*, 2016, Vol. 86, pp. 41-54, ISSN 0267-7261
4. Penčić M., Borovac B., Kovačević D., Čavić M.: Development of the Multi-Segment Lumbar Spine for Humanoid Robots, *Thermal Science*, 2016, Vol. 20, No 2 (Suppl.), pp. 581-590, ISSN 0354-9836, UDK: 621, DOI: 10.2298/TSCI151005040P

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Starčev-Čurčin A., Rašeta A., Brujić Z.: THE PROGRAM "ST METHOD" FOR DETERMINING THE STRUT-AND-TIE MODELS OF RC PLANE MEMBERS, *Tehnicki vjesnik - Technical Gazette*, 2016, Vol. 1, No 23, pp. 291-300, ISSN 1330-3651

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Čosić M., Šušić N., Folić R., Bancila R.: Probabilistic Analysis of Bearing Capacity of Piles with Variable Parameters in CPT Test and Calculation According to the Requirements of Eurocode 7 (EN 1997-1: 2004) Regulations, *Integritet i vek konstrukcija*, 2016, Vol. 16, No 1, pp. 25-34, ISSN 1451-3749
2. Malešev M., Radonjanin V., Lađinović Đ., Lukić I., Šupić S., Draganić (Vukoslavče S.): The road steel bridge over Bosut river in Serbia, Part 1: The assessment of the bridge , *Procedia Engineering*, 2016, No 156, pp. 219-226, ISSN 1877-7058
3. Manojlović D., Kočetov Mišulić T.: Analysis and modelling composite timber-concrete systems: Design of bridge structure according to EN, *Građevinski materijali i konstrukcije*, 2016, Vol. 4, No 59, pp. 47-74, ISSN 2217-8139, UDK: 624.21.011.1
4. Radeka M., Milović (Tatomirović T.), Malešev M., Radonjanin V., Laban M.: Hydration process and compressive strength of cement pastes containing natural zeolite, *Materijali i konstrukcije*, 2016, Vol. 59, No 2, pp. 29-45, ISSN 0543-0798, UDK: 06.055.2:62-03+620.1+624.001.5(497.1)=861

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Babić L., Folić R.: Influence of the first story height of reinforced concrete frames on structure behaviour, 5. Međunarodno naučno-stručno savetovanje *Zemljotresno inženjerstvo i inženjerska seizmologija*, Sremski Karlovc, 29-30 Jun, 2016, pp. 265-272, ISBN 978-86-88897-08-2, UDK: 624.012.45.042.7
2. Babić L., Folić R.: The effects of masonry infill on the period of vibration of RC frame structures, 9. Simpozijum Društva građevinskih konstruktera Srbije, Zlatibor, 15-17 Septembar, 2016, pp. 248-253, ISBN 978-86-7892-839-0
3. Bjelić I., Kurtović-Folić N., Folić R.: Wooden beams built-in vaults and domes of the churches in medieval Serbia from the second half of 12th to mid of 14th century, 1. International Scientific conference "Prevention of cultural heritage BASE", Sofija: Bulgarian Academy sciences and Art, 23-25 Novembar, 2016, pp. 111-122, ISBN 978-954-8931-50-2

4. Bubnjević M., Živaljević V., Vučinić V., Krtinić D., Ljubisavljević M., Babić S., Šešlija M., Lađinović Đ.: THE ASSESSMENT OF RAILWAY BRIDGE ON ZELENKA RIVER IN ZELENKA, 6. Građevinarstvo - nauka i praksa, Žabljak, 7-11 Mart, 2016, pp. 783-790, ISBN 978-86-82707-30-1
5. Ćosić M., Brčić S., Folić R., Šušić N.: Nonlin Quake: Expert System for Performance-Based Analysis of Structures, 5. Međunarodno naučno-stručno savetovanje Zemljotresno inženjerstvo i inženjerska seizmologija, Sremski Karlovci, 29-30 Jun, 2016, ISBN 978-86-88897-08-2, UDK: 004.42 NONLIN QUAKE 624.04:004.891
6. Ćosić M., Folić R., Šušić N.: Review of Scientific Knowledge and Critical Analysis of Pile Capacity and Integrity Tests, 9. International Conference on Civil Engineering Design and Construction, Varna, 15-17 Septembar, 2016, pp. 19-30, ISBN 978-954-92866-7-0.
7. Ćosić M., šušić N., Folić R.: Probabilistic Analysis of Bearing Capacity of Piles with Variable Parameters of CPT Test and Calculation According to the EN 1997-1: 2004, GNP 2016, 6. Građevinarstvo - nauka i praksa, Žabljak, 7-11 Mart, 2016, pp. 1335-1342
8. Dukić D., Trivunić M., Starčev-Ćurčin A., Vojvodić J.: MAINTENANCE PRICE ANALYSIS OF RESIDENTIAL BUILDINGS IN NOVI SAD , 6. Građevinarstvo - nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, Podgorica, 7-11 Mart, 2016, pp. 1671-1678, ISBN 978-86-82707-30-1
9. Džolev I., Cvetkovska M., Lađinović Đ., Radonjanin V., Rašeta A.: Fire analysis of a simply supported reinforced concrete beam using Ansys Workbench, 8. Simpozijum 2016 Društva građevinskih konstruktera Srbije, Zlatibor: Društvo građevinskih konstruktera Srbije, 15-17 Septembar, 2016, pp. 322-327, ISBN 978-86-7892-839-0
10. Džolev I., Jovanović Đ., Cvetkovska M., Lađinović Đ., Radonjanin V.: Lateral torsional buckling of steel beams subjected to fire, 6. Građevinarstvo - nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 7-11 Mart, 2016, pp. 85-92, ISBN 978-86-82707-30-1
11. Džolev I., Radujković A., Cvetkovska M., Lađinović Đ., Radonjanin V.: Fire analysis of a simply supported steel beam using Opensees and Ansys Workbench, 4. Savremena dostignuća u građevinarstvu, Subotica: Univerzitet u Novom Sadu, Građevinski fakultet Subotica, 22-23 April, 2016, pp. 315-322, ISBN 978-86-80297-63-7, UDK: 624.042.5.072.2 : 519.6
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13. Folić R., Ćosić M.: Analysis of Vulnerability of Buildings Damaged as a Result of Terrorist Attack: Scenario of Non-Linear Analyses and Multi-Criteria Optimizations, 16. Structural Faults and Repair, Edinburgh, 17-19 Maj, 2016, pp. 1-16
14. Folić R., Ćosić M.: Performance-Based Non-linear Seismic Methods of Structures: A Review of Scientific Knowledge in the Last 20 Years, 16. International Scientific Conference VSU, Sofija, 9-10 Jun, 2016, pp. 146-156
15. Folić R., Stanojev M.: Seismic protection of structures-Application of base isolation in buildings, 4. Savremena dostignuća u građevinarstvu, Subotica, 22 April, 2016, pp. 41-50, ISBN 624.042.7, UDK: doi: 10.14415/konferencija GFS 2016.003
16. Jovanović Đ., Rašeta A., Lađinović Đ.: Nonlinear Seismic Analysis of Multi-Storey Steel Frame With Eccentric Bracing, 6. Građevinarstvo - nauka i praksa, Žabljak: University of Montenegro, Faculty of Civil Engineering, 7-11 Mart, 2016, pp. 521-528, ISBN 978-86-82707-30-1
17. Jovanović Đ., Žarković D., Brujić Z., Lađinović Đ.: Fiber Beam-Column Element Implementation in Academic Software Matrix 3D, 8. Simpozijum 2016 Društva građevinskih konstruktera Srbije, Zlatibor: Društvo građevinskih konstruktera Srbije, 15-17 Septembar, 2016, pp. 567-576, ISBN 978-86-7892-839-0
18. Jovanović Đ.: LATERAL TORSIONAL BUCKLING OF STEEL BEAMS SUBJECTED TO FIRE U radu su prikazani rezultati analize stabilnosti grede HEA preseka, sa početnim imperfekcijama i materijalnom nelinearnošću tokom izlaganja požarnom opterećenju prema ISO krivi. Za različite stepene iskorišćenosti grede dimenzionisane prema EC1993, upoređivana su vremena gubitka stabilnosti grede, za opterećenje koncentrisanim silama u trećinama raspona., 6. Građevinarstvo - nauka i praksa, Žabljak, 7-11 Mart, 2016, ISBN 978-86-82707-30-1
19. Jovanović Đ.: NONLINEAR SEISMIC ANALYSIS OF MULTI-STOREY STEEL FRAME WITH ECCENTRIC BRACING U radu su predstavljene rezultati statičke i dinamičke analize rama sa čeličnim ekscentričnim spregovima. Data su poređenja rezultata, parametri neophodni za pomenute analize kod EBF sistema, i

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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Ćosić M., Folić R., Folić B.: Multidisciplinary approach to the assessment of seismic performances and rehabilitation of bridges: nonlinear analysis, probability theory and optimization theory, 9. International Conference "Bridges in Danube Basin", Žilina: University of Žilina, FCE, Department of Structures and ridges, 30-1 Septembar, 2016, pp. 35-36, ISBN 978-80-554-1249-8
2. Prokić A., Lađinović Đ., Vojnić-Purčar M.: A new finite element for shear lag (No 9897), 2. International Conference on Mechanics of Composite, Porto, 11-14 Jul, 2016
3. Serdar N., Folić R.: Comparative analysis of modal response for reinforced concrete (RC) straight and curved bridges, 9. International Conference "Bridges in Danube Basin", Žilina: University of Žilina, FCE, Department of Structures and ridges, 30-1 Septembar, 2016, pp. 34-35, ISBN 978-80-554-1249-8

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Folić R., Zenunović D.: Spregnute konstrukcije čelik – beton, AGM knjiga, 2016, str. 1-362, ISBN 978-86-86363-56-5

Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

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Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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3. Lee V., Trifunac M., Herak D., Herak M., Bulajić B., Manić M.: Problems with scaling design spectra by peak acceleration—the contribution of Vrancea earthquakes to seismic hazard in Serbia, Izgradnja, 2016, Vol. 70, No 7-8, pp. 265-276, ISSN 0350-5421
4. Serdar N., Folić R.: Comparative analysis of modal response for reinforced concrete (RC) straight and curved bridges, Procedia Engineering, 2016, Vol. 156, No 4, ISSN 1877-7058, UDK: doi: 10.1016/j.proeng.2016.08.314

Spisak rezultata M53 - Rad u naučnom časopisu

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2. Rajić N., Lađinović Đ.: Nelinearna statička seizmička analiza višespratnih AB okvira, Zbornik radova Fakulteta tehničkih nauka, 2016, No 13, pp. 2652-2655, ISSN 0350-428X, UDK: 624.042.7

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Radujković A., Lađinović Đ.: Procena seizmičkog odgovora višespratnih armiranobetonskih okvira / Seismic response assessment of multi storey reinforced concrete frames, 18. Savremena građevinska praksa, Andrevlje: Fakultet tehničkih nauka, 26-27 Maj, 2016, pp. 155-178, ISBN 978-86-7892-809-3

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

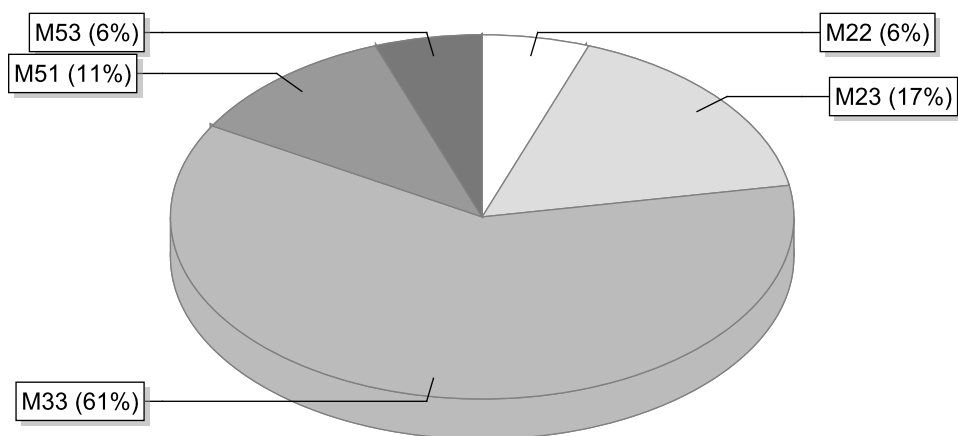
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za geotehniku i saobraćajnice

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	11
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Matić B., Salem H., Radonjanin V., Radović N., Sremac S.: Modeling the surface stored thermal energy in asphalt concrete pavements, *Thermal Science*, 2016, Vol. 20, No 2, pp. 603-610, ISSN 0354-9836

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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

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2. Bubnjević M., Živaljević V., Vučinić V., Krtinić D., Ljubisavljević M., Babić S., Šešlija M., Lađinović Đ.: THE ASSESSMENT OF RAILWAY BRIDGE ON ZELENKA RIVER IN ZELENKA, 6. Građevinarstvo - nauka i praksa, Žabljak, 7-11 Mart, 2016, pp. 783-790, ISBN 978-86-82707-30-1
3. Đogo M., Vasić M.: Geotechnical conditions for foundation of silo for sugar in Pećinci, 3. State and trends of civil and environmental engineering E-GTZ, Tuzla, 2-4 Jun, 2016, pp. 441-446, ISBN 978-9958-628-18-4
4. Krtinić D., Ljubisavljević M., Babić S., Bubnjević M., Živaljević V., Vučinić V., Šešlija M., Radonjanin V.: THE ASSESSMENT AND PROPOSAL OF REPAIR OF STONE BRIDGE VLADIKA LJUBIBRATIĆ, 6. Građevinarstvo - nauka i praksa, Žabljak, 7-11 Mart, 2016, pp. 815-822, ISBN 978-86-82707-30-1
5. Marinković M., Matić B., Stevanović R.: BRIDGE MANAGEMENT SYSTEM IN EUROPE, 6. Građevinarstvo - nauka i praksa, Žabljak: UNIVERZITET CRNE GORE /GRAĐEVINSKI FAKULTET, 7-11 Mart, 2016, pp. 839-845, ISBN 978-86-82707-30-1
6. Marinković M., Matić B., Stevanović R.: EXAMPLE OF GEOGRAPHIC INFORMATION SYSTEM FOR ROADS OF LOCAL GOVERNMENT, 2. Kongres o putevima, Beograd: Srpsko društvo za puteve "Via-Vita", 9-10 Jun, 2016, pp. 420-427, ISBN 978-86-88541-06-0
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1. Marinković M., Matić B., Stevanović R.: PRIMJER GEOGRAFSKOG INFORMACIONOG SISTEMA ZA PUTEVE LOKALNIH SAMOUPRAVA, Put i saobraćaj, 2016, Vol. 3, pp. 23-28, ISSN 0478-9733, UDK: 625.7/.8+651.1
2. Milović D., Đogo M.: Neka iskustva o fundiranju na šipovima, *Izgradnja*, 2016, Vol. 70, No 7-8, pp. 313-323, ISSN 0350-5421, UDK: 624.155.046

### Spisak rezultata M53 - Rad u naučnom časopisu

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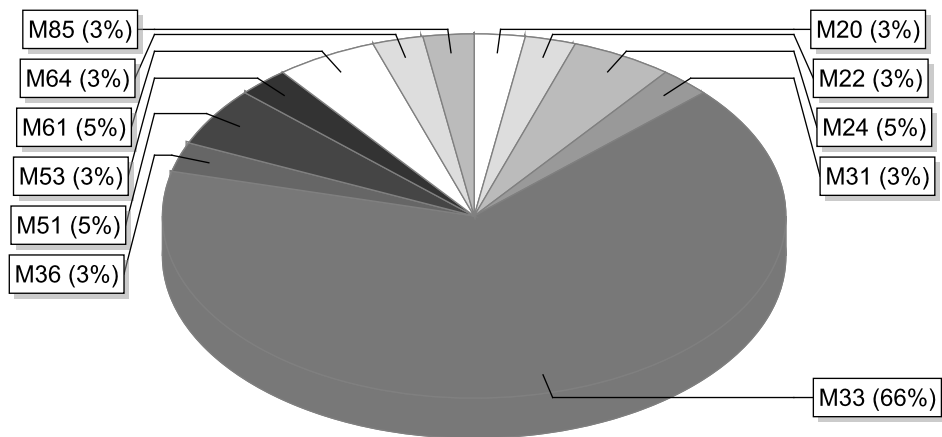
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za građevinske materijale, procenu stanja i sanaciju konstrukcija

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	25
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Maoduš N., Agarski B., Kočetov Mišulić T., Budak I., Radeka M.: Life cycle and energy performance assessment of three wall types in South-Eastern Europe region, *Energy and Buildings*, 2016, Vol. 113, pp. 605-614, ISSN 0378-7788

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Matić B., Salem H., Radonjanin V., Radović N., Sremac S.: Modeling the surface stored thermal energy in asphalt concrete pavements, *Thermal Science*, 2016, Vol. 20, No 2, pp. 603-610, ISSN 0354-9836

Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Malešev M., Radonjanin V., Lađinović Đ., Lukić I., Šupić S., Draganić (Vukoslavče S.): The road steel bridge over Bosut river in Serbia, Part 1: The assessment of the bridge, *Procedia Engineering*, 2016, No 156, pp. 219-226, ISSN 1877-7058
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Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

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2. Bondžić (Simić) J., Popov S., Novaković T., Draganić (Vukoslavče S., Sremački M.): Software for Hazard Scenarios Modelling, 7. ITRO - International Conference on Information Tecnology and Development of Education, Zrenjanin: University of Novi Sad, Technical faculty „Mihajlo Pupin“, 10 Jun, 2016, pp. 392-396, ISBN 978-86-7672-285-3
3. Bulatović V., Malešev M., Radonjanin V., Radeka M., Lukić I.: EFFECT OF CEMENT TYPE AND WATER TO CEMENT RATIO ON THE SULFATE RESISTANCE OF CONCRETE WITH RCA, 6. Građevinarstvo - nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 7-11 Mart, 2016, pp. 689-699, ISBN 978-86-82707-30-1
4. Bulatović V., Malešev M., Radonjanin V., Radeka M., Lukić I.: EVALUTION OF SULFATE RESISTANCE OF PORTLAND AND BLASTFURNACE CEMENT CONCRETES USING COMPRESSIVE STRENGTH AND VOLUME CHANGE TESTS, 3. State and trends of civil and environmental engineering E-GTZ, Tuzla: Rudarsko-geološko-građevinski fakultet Tuzla, 2-4 Jun, 2016, pp. 241-248, ISBN 978-9958-628-18-4
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Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

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Spisak rezultata M53 - Rad u naučnom časopisu

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2. Lukić I., Radonjanin V., Malešev M.: Konstrukcijski lakoagregatni betoni sa visokim sadržajem mineralnih dodataka, 18. Savremena građevinska praksa, Andrevlje: Fakultet tehničkih nauka, Departman za građevinarstvo i geodeziju, 26-27 Maj, 2016, pp. 201-220, ISBN 978-86-7892-809-3

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Sremački M., Bondžić (Simić) J., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M.: Meat processing industry wastewater – screening analysis , 53. Savetovanje Srpskog hemijskog društva, Kragujevac: Srpsko hemijsko društvo, 10-11 Jun, 2016, pp. 60-60, ISBN 978-86-7132-061-0

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

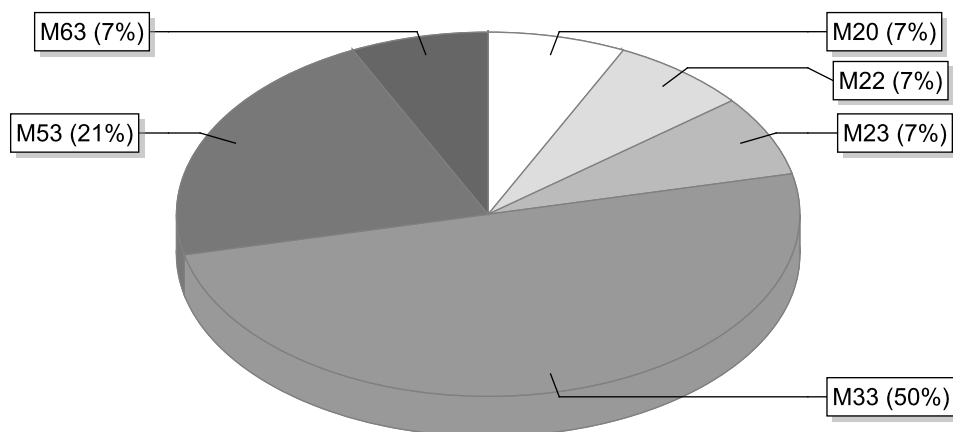
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za organizaciju i tehnologiju građenja

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Rad u naučnom časopisu	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Harmati N., Magyar N., Folić R.: Multi – criterion optimization of building envelope in the function of indoor illumination quality towards overall energy performance improvement, Energy, 2016, Vol. 114, pp. 302-317, ISSN 0360-5442

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

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### Spisak rezultata M23 - Rad u međunarodnom časopisu

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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

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5. Kolaković S., Peško I., Mučenski V., Ilinčić S., Lalošević A., Madžgalj Z., Kolaković S., Jeftenić G., Bibić (Đorđević) D., Vujkov A.: REVITALIZATION OF THE BEGEJ CANAL - CURRENT STATE, PLANED ACTIVITIES AND COST-BENEFIT ANALYSIS, 4. International Scientific Conference People, Building and Environment, Luhačovice: University of Brno, 29-1 Septembar, 2016, pp. 126-137, ISBN 1805-6784
6. Radaković B., Jeftenić G., Kolaković S., Peško I., Mučenski V., Kovačević S.: EFFECT OF OXIC CONDITIONS ON BEHAVIOR OF POLLUTANTS IN GROUNDWATER, 4. International Scientific Conference People, Building and Environment, Luhačovice, 29-1 Septembar, 2016, pp. 243-251, ISBN 1805-6784
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### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

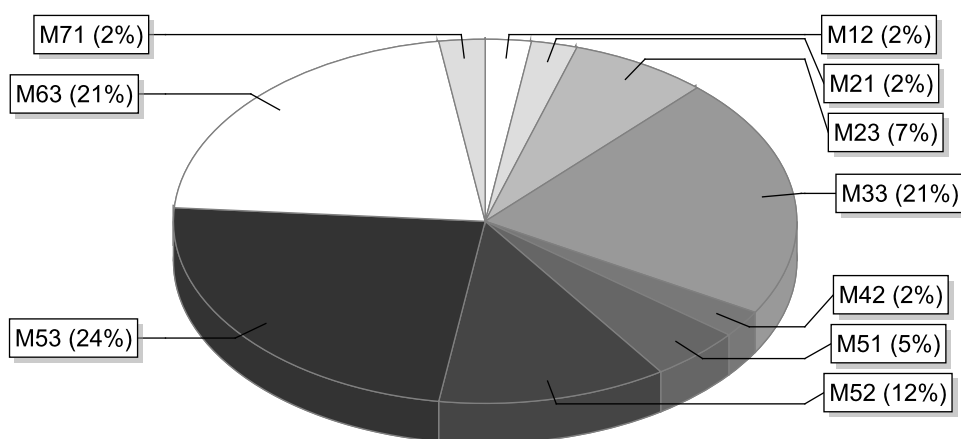
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za hidrotehniku i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografija međunarodnog značaja	M12	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	5
Rad u naučnom časopisu	M53	10
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Odbranjena doktorska disertacija	M71	1





## PRODUKCIJA - REZULTATI

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### Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Doroslovački R., Vilotić D., Katić V., Kovačević I., Šešlija D., Kolaković S., Konjović Z.: Efikasnost master studija na Fakultetu tehničkih nauka u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, Edicija Tehničke nauke - monografija, 2016, ISBN 978-86-7892-815-4

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Trifković M., Marinković G., Ilić B., Pejičić G., Lazić J.: LAND CONSOLIDATION AND IRRIGATION. CASE STUDY: MUNICIPALITY OF VELIKA PLANA, Arhiv za tehničke nauke - Archives for Technical Sciences, 2016, No 14, pp. 35-45, ISSN 1840-4855, UDK: 528.46:711.3-14(497.11 Velika Plana)
2. Trifković M., Nestorović Ž., Marinković G.: Geodetsko osmatranje građevinskih objekata - mogućnosti i praksa, Izgradnja, 2016, No 5-6, pp. 208-212, ISSN 0350-5421, UDK: 528.482:624

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Batilović M., Ninkov T., Sušić Z., Sabadoš I., Petković M.: Određivanje zapremina iskopa primenom savremenih tehnologija premera, Zbornik radova Građevinskog fakulteta, 2016, No 30, pp. 135-147, ISSN 0352-6852, UDK: 622.271 : 519.688.62
2. Lazić J., Marinković G., Trifković M., Nestorović Ž.: Analiza procesa restitucije na primeru verskih zajednica u Opštini Subotica, Zbornik radova Građevinskog fakulteta, 2016, No 30, pp. 163-173, ISSN 0352-6852, UDK: 347.233/.235(497.113 SUBOTICA)
3. Lazić J., Marinković G., Trifković M., Nestorović Ž.: Promena svojinskih odnosa na poljoprivrednom zemljištu u severno-bačkom okrugu, Zbornik radova Građevinskog fakulteta, 2016, No 29, pp. 83-95, ISSN 0352-6852, UDK: 347.232/.234(497.113), DOI: 10.14415/zbornikGFS29.08
4. Marinković G., Trifković M., Lazić J., Nestorović Ž.: Analiza kvakiteta sadržaja digitalnog plana katastra vodova, Zbornik radova Građevinskog fakulteta, 2016, No 29, pp. 97-106, ISSN 0352-6852, UDK: 528.4 : 628.14 : 004, DOI: 10.14415/zbornikGFS29.09
5. Sabadoš I., Ninkov T., Petković M., Batilović M., Antonić N.: BIM i geodezija, Zbornik radova Građevinskog fakulteta, 2016, No 30, pp. 149-161, ISSN 0352-6852, UDK: 004.4 : 528

Spisak rezultata M53 - Rad u naučnom časopisu

1. Brdar N., Marinković G., Trifković M.: Pretvaranje društvene u druge oblike svojine na poljoprivrednom zemljištu, Zbornik radova Fakulteta tehničkih nauka, 2016, No 2/2016, pp. 387-390, ISSN 0350-428X, UDK: 528.44
2. Dostanić J., Marinković G.: Izrada i održavanje katastra nepokretnosti katastarske opštine sa duplim premerom, Zbornik radova Fakulteta tehničkih nauka, 2016, No 14/2016, pp. 2847-2850, ISSN 0350-428X, UDK: 528
3. Jokić A., Marinković G.: Prilog razvoju metodologije procene vrednosti zemljišta u postupku komasacije, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 8/2016, pp. 1505-1508, ISSN 0350-428X, UDK: 528.46
4. Kovač L., Marinković G.: Analiza promena na poljoprivrednom zemljištu u Opštini Kula, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 8/2016, pp. 1517-1520, ISSN 0350-428X, UDK: 528.44
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6. Marinković G., Trifković M., Ilić Z.: Pretvaranje društvene u druge oblike svojine u Južno-bačkom okrugu, Geodetska služba, 2016, No 122, pp. 43-55, ISSN 1451-0561, UDK: [347.235+347.25]:[347.232+340.13](497.113)
7. Marković M., Vasić D., Janković N.: Usporedna analiza prethodne ocene tačnosti i analize pouzdanosti konvencionalnih metoda i GNSS metode premera, Geodetska služba, 2016, No 121, pp. 48-61, ISSN 1451-0561, UDK: [528.33+528.35]:[621.396.98+528.06]
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9. Petković M., Ninkov T., Bulatović V., Sabadoš I., Lazić J.: ПРИМЕНА ТЕХНОЛОГИЈЕ МОБИЛНОГ ЛАСЕРСКОГ СКЕНИРАЊА КОД ИЗРАДЕ ПРОЈЕКТА ИЗВЕДЕНОГ СТАЊА ГРАЂЕВИНСКИХ И ИНДУСТРИЈСКИХ ОБЈЕКТАТА, Geodetska služba, 2016, No 122, pp. 30-36, ISSN 1451-0561, UDK: 528.8.044.6 + 528.8.04 : [621 + 624 + 72]
10. Savić M., Marinković G.: Uređenje zemljišne teritorije u urbanim područjima, Zbornik radova Fakulteta tehničkih nauka, 2016, No 14/2016, pp. 2870-2873, ISSN 0350-428X, UDK: 528.44

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bojanić R., Doroslovački R., Kovačević I., Katić V., Vilotić D., Kolaković S., Šešlija D., Konjović Z.: Analiza ocena sa studentske ankete i prolaznosti na ispitima na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 140-147, ISBN 978-87-7892-795-9
2. Doroslovački R., Vilotić D., Kovačević I., Katić V., Šešlija D., Kolaković S.: Značaj didaktičkih sredstava u kvalitetnom savremenom obrazovanju, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 19-20, ISBN 987-86-7892-795-9
3. Katić V., Kovačević I., Vilotić D., Doroslovački R., Kolaković S., Šešlija D., Konjović Z.: Efikasnost studiranja studijskih programa master studija Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 65-79, ISBN 987-86-7892-795-9
4. Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Šešlija D., Zivlak V.: U susret novom Zakonu o visokom obrazovanju i izmeni standarda za akreditaciju visokoškolskih ustanova i studijskih programa, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 188-192, ISBN 987-86-7892-795-9
5. Ninkov T., Sabadoš I., Sušić Z., Batilović M., Bulatović V.: BIM tehnologija i njena primena kod projektovanja i gradnje puteva, Drugi srpski kongres o putevima, 09-10.06.2016, Zbornik radova, COBISS.SR-ID 223880716, Tema 1 Planiranje i projektovanje., 2. Kongres o putevima, Beograd: Srpsko društvo za puteve "Via-Vita", 9-10 Jun, 2016, pp. 1-7, ISBN 978-86-88541-06-0, UDK: 625,7/.8(082)(0.034.4)
6. Ninkov T., Sušić Z., Ninkov Đ., Milosavljević A., Šušić V., Pavlović S.: Primena LIDAR tehnologije kod projektovanja i građenja puteva, Drugi srpski kongres o putevima, 09-10.06.2016, Zbornik radova, COBISS.SR-ID 223880716, Tema 1 Planiranje i projektovanje., 2. Kongres o putevima, Beograd: Srpsko društvo za puteve "Via-Vita", 9-10 Jun, 2016, pp. 1-8, ISBN 978-86-88541-06-0, UDK:
7. Sušić Z., Ninkov T., Batilović M., Bulatović V., Sabadoš I., Petković M.: Primena geometrijske analize deformacionih merenja u praćenju geodinamičkih procesa, 5. Međunarodno naučno-stručno savetovanje Zemljotresno inženjerstvo i inženjerska seizmologija, Sremski Karlovci: Savez građevinskih inženjera Srbije, 29-30 Jun, 2016, pp. 471-478, ISBN 978-86-88897-08-2, UDK: 624.042.7(082)
8. Šešlija D., Doroslovački R., Katić V., Vilotić D., Kovačević I., Kolaković S.: Razvoj udaljenih eksperimenata na inženjerskim studijskim programima, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 20-29, ISBN 987-86-7892-795-9
9. Vilotić D., Doroslovački R., Katić V., Kovačević I., Kolaković S., Šešlija D., Konjović Z.: Analiza efikasnosti studiranja na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 57-65, ISBN 987-86-7892-795-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

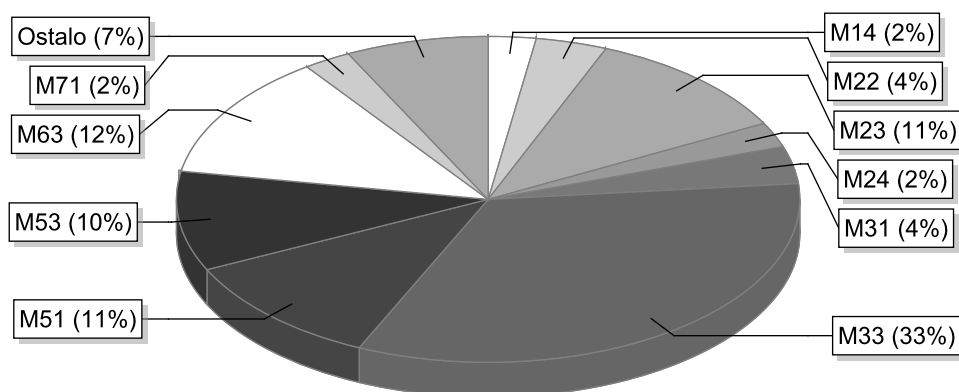
1. Frank A.: Razvoj metodologije za procenu indikatora u cilju unapređenja prognoze klimatološke suše, Novi Sad, Univerzitet u Novom Sadu, fakultet Tehničkih Nauka, 2016

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za saobraćaj

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	9
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	27
Rad u vodećem časopisu nacionalnog značaja	M51	9
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	8
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	10
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	2
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1

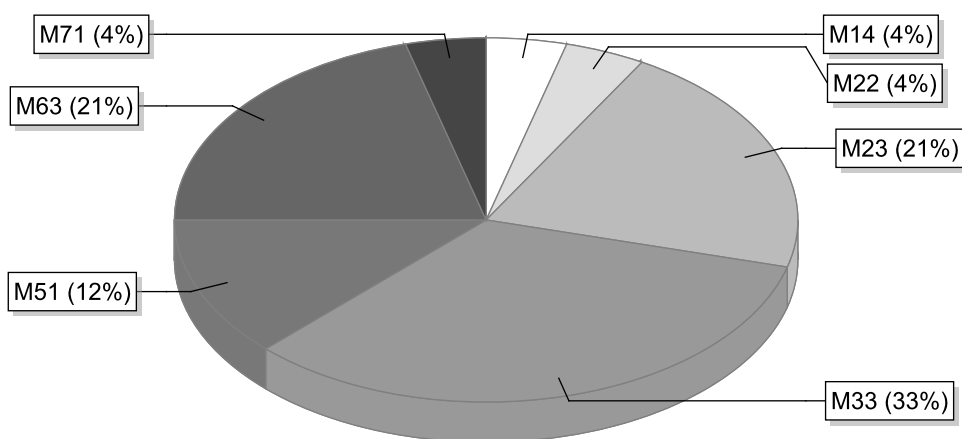


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za saobraćajne sisteme

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	5
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u vodećem časopisu nacionalnog značaja	M51	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Bogdanović V., Basarić V., Ruškić N., Garunović N.: Study of the Establishment of the Regional Cycling Route Srem , Transportation Research Procedia, 2016, str. 2334-2343, ISBN 2352-1465

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Basarić V., Jambrović M., Miličić M., Savković T., Basarić Đ., Bogdanović V.: Positive effects of eco-driving in public transport: a case study of Novi Sad, Thermal Science, 2016, Vol. 21, No 1B, pp. 1-10, ISSN 0354-9836, UDK: 621

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Mitrović Simić J., Bogdanović V., Basarić V., Saulić N.: Motorist yield rate model at unsignalized crossings, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 4, pp. 1185-1192, ISSN 1330-3651, UDK: 62(05)=163.42=111
2. Nešić M., Lipovac K., Vujanić M., Jovanović D.: Roadside public survey approach in black spot identification on rural roads: case study, Transport, 2016, Vol. 31, No 2, pp. 271-281, ISSN 1648-4142
3. Papić Z., Zovak G., Bogdanović V., Saulić N.: Empirical approach for determining lane change distance at obstacle avoidance manoeuvre, Promet - Traffic and Transportation, 2016, Vol. 28, No 3, pp. 267-275, ISSN 0353-5320, UDK: 656
4. Simeunović M., Bogdanović V., Pitka P., Simeunović M.: The influence of traffic conditions on the operation disorder of public transport vehicles, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 1, pp. 307-313, ISSN 1330-3651, UDK: 62(05)=163.42=III
5. Šarac D., Kopic M., Mostarac K., Kujačić M., Jovanović B.: Application of Set Covering Location Problem for Organizing the Public Postal Network, Promet - Traffic and Transportation, 2016, Vol. 28, No 4, pp. 403-413, ISSN 0353-5320

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Basarić V., Stojković D., Mitrović Simić J., Miličić M.: Planning and development of bicycle traffic in the city of Novi Sad, Horizons - Series B, 2016, pp. 18-27, ISSN 1857-9892, 1. First International conference Transport for todays society, Bitola: Faculty of Technical Sciences Bitola, 19-21 Maj, 2016, pp. 18-27, UDK: 656.18.02(497.113)
2. Basarić V., Vujičić A., Mitrović Simić J., Bogdanović V., Saulić N.: Gender and age differences in the travel behavior - a Novi Sad case study, Transportation Research Procedia, 2016, Vol. 14, pp. 4324-4333, ISSN 2352-1465, 2. Transport Research Arena, Varšava: Elsevier, 18-21 April, 2016, pp. 4324-4333, ISBN 2352-1465
3. Bogdanović V., Ruškić N., Dragić D.: Kapacitet nestandardnih nesignalisanih raskrsnica, 2. Kongres o putevima, Beograd: Srpsko društvo za puteve "Via-vita", 9-10 Jun, 2016, pp. 598-603, ISBN 978-86-88541-05-3
4. Matović B., Bačkalić S., Pljakić M., Latinović M.: Applying twostep cluster analysis in order to categorise and contextualise risk taking amongst pedestrians, 13. Road accidents prevention, Novi Sad: Faculty of Technical Sciences, 13-14 Oktobar, 2016, pp. 35-44, ISBN 978-86-7892-855-0
5. Mičić S., Jovanović D., Matović B.: A crash frequency – prediction model: case study for Ib-21 road, 13. Road accidents prevention, Novi Sad: Faculty of Technical Sciences, 13-14 Oktobar, 2016, pp. 73-80, ISBN 978-86-7892-855-0
6. Mitrović Simić J., Basarić V., Bogdanović V.: Pedestrian crossing behaviour at unsignalized crossings, Horizons - Series B, 2016, pp. 166-172, ISSN 1857-9892, 1. First International conference Transport for todays society, Bitola: Faculty of Technical Sciences Bitola, 19-21 Maj, 2016, pp. 166-172, ISBN 978-9989-786-79-2, UDK: 656.142.054:159.922(497.11)
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Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bulajić A., Jovanović D., Matović B., Antić B.: Primena GIS-a i klaster analize u oceni stradanja pešaka u saobraćaju, Put i saobraćaj, 2016, Vol. 1, No 4, pp. 21-30, ISSN 0478-9733, UDK: 625.7/.8
2. Pitka P., Simeunović M., Savković T., Simeunović M.: Headway disturbance control in urban public transport, Savremeni promet, 2016, Vol. 36, No 1-2, pp. 69-72, ISSN 0351-1898, UDK: 656.021+656.1/.5
3. Saulić N., Šarac N., Garunović N.: The research of the influence of pedestrian flow on time losses of the first rank vehicle at the three-leg non signalized intersections, Put i saobraćaj, 2016, Vol. 62, No 1, pp. 47-51, ISSN 0478-9733, UDK: 625.7/.8+651.1

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bogdanović V., Papić Z., Ruškić N., Milošević M., Dragić D.: Regulisanje saobraćaja na kružnim raskrsnicama, 11. Savetovanje na temu saobraćajne nezgode, Zlatibor: Agencija EXPERT, 19-21 Maj, 2016, pp. 189-196, ISBN 978-86-86931-13-9
2. Bulajić A., Jovanović D., Matović B.: Determinante ponašanja starijih pešaka (60+) u saobraćaju, 11. Međunarodno naučno savetovanje: "Rizik i bezbednosni inženjering", Kopaonik: Visoka tehnička škola strukovnih studija u Novom Sadu, 25-27 Januar, 2016, pp. 245-252, ISBN 978-86-6211-102-9
3. Jovanović D., Radović D., Matović B., Savić M., Šmrkić D.: Praćenje ponašanja vozača u cilju unapređenja bezbednosti saobraćaja, 13. Road accidents prevention, Novi Sad: Faculty of Technical Sciences, 13-14 Oktobar, 2016, pp. 239-246, ISBN 978-86-7892-855-0
4. Kostić S., Popović V., Gladović P.: Prikaz mišljenja mladih vozača od 19 do 25 godina, o definisanim, opasnim situacijama u saobraćaju, 11. Savetovanje na temu saobraćajne nezgode, Zlatibor, 19-21 Maj, 2016, pp. 132-141, ISBN 978-86-86931-13-9
5. Papić Z., Bogdanović V., Štetin G., Saulić N.: Ispitivanje oštećenja na vozilima trodimenzionalnim modelovanjem, 11. Savetovanje na temu saobraćajne nezgode, Zlatibor: Agencija EXPERT, 19-21 Maj, 2016, pp. 348-356, ISBN 78-86-86931-13-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

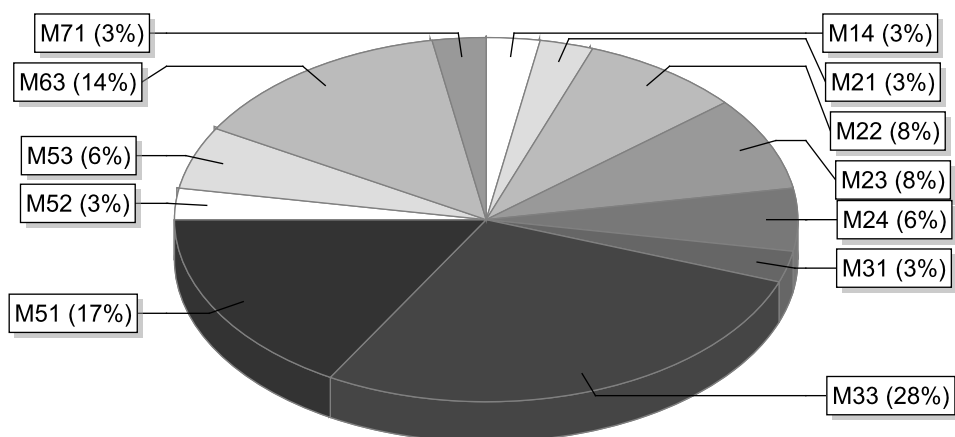
1. Mitrović Simić J.: Nivo usluge na nesignalisanim pešačkim prelazima, Novi Sad, Fakultet tehničkih nauka, 2016

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije transportno logističkih sistema

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	3
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Odbranjena doktorska disertacija	M71	1





## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Simić D., Svirčević V., Sremac S., Ilin V., Simić S.: An Efficiency K-Means Data Clustering in Cotton Textile Imports, Wrocław, Springer International Publishing, 2016, str. 255-264, ISBN 978-3-319-26225-3

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Bačkalić T., Bugarški V., Kulić F., Kanović Ž.: Adaptable Fuzzy Expert System for Ship Lock Control Support, Journal of Navigation, 2016, Vol. 69, No 6, pp. 1341-1356, ISSN 0373-4633

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Basarić V., Jambrović M., Miličić M., Savković T., Basarić Đ., Bogdanović V.: Positive effects of eco-driving in public transport: a case study of Novi Sad, Thermal Science, 2016, Vol. 21, No 1B, pp. 1-10, ISSN 0354-9836, UDK: 621
2. Matić B., Salem H., Radonjanin V., Radović N., Sremac S.: Modeling the surface stored thermal energy in asphalt concrete pavements, Thermal Science, 2016, Vol. 20, No 2, pp. 603-610, ISSN 0354-9836
3. Miličić M., Gladović P., Bojanić R., Savković T., Stojić N.: Friction stir welding (FSW) process of copper alloys, Metalurgija, 2016, Vol. 55, No 1, pp. 107-110, ISSN 0543-5846, UDK: 621.791.057:531.4:669.3:620.18=111

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kovačević I., Đelošević M., Tepić G., Milisavljević S.: Influential Parameters and Numerical Simulation of Heat Generated in the process of Friction Stir Welding, Materials Science-Medziagotyra, 2016, Vol. 22, No 3, ISSN 1392-1320
2. Pamučar D., Vasin Lj., Atanasković P., Miličić M.: Planning the City Logistics Terminal Location by Applying the Green p-Median Model and Type-2 Neurofuzzy Network, Computational Intelligence and Neuroscience, 2016, Vol. 2016, No 2016, pp. 1-15, ISSN 1687-5265
3. Simeunović M., Bogdanović V., Pitka P., Simeunović M.: The influence of traffic conditions on the operation disorder of public transport vehicles, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 1, pp. 307-313, ISSN 1330-3651, UDK: 62(05)=163.42=III

Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Stević Ž., Tanackov I., Vasiljević M., Novarić B., Stojić G.: An integrated fuzzy AHP and TOPSIS model for supplier evaluation, Serbian Journal of Management: an International Journal for Theory and Practice of Management Science, 2016, Vol. 11, No 1, pp. 15-27, ISSN 1452-4864
2. Stojić G.: An integrated fuzzy AHP and TOPSIS model for supplier evaluation, Serbian Journal of Management: an International Journal for Theory and Practice of Management Science, 2016, Vol. 11, No 1, pp. 15-27, ISSN 1452-4864

Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Stević Ž., Vasiljević M., Sremac S.: Fuzzy AHP and ARAS model for decision making in logistics, 6. International Conference "Economics and Management - Based on New Technologies" (EMoNT), Vrnjačka Banja, 16-19 Jun, 2016, pp. 34-43

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Basarić V., Stojković D., Mitrović Simić J., Miličić M.: Planning and development of bicycle traffic in the city of Novi Sad, Horizons - Series B, 2016, pp. 18-27, ISSN 1857-9892, 1. First International conference Transport for today's society, Bitola: Faculty of Technical Sciences Bitola, 19-21 Maj, 2016, pp. 18-27, UDK: 656.18.02(497.113)
2. Dimanoski K., Stojić G., Vrtanoski G.: Model for Measuring Quality of Railway Passenger Service, 1. First International conference Transport for today's society, Bitola: Faculty of Technical Sciences, UKLO University St. Climent Ohridski, 19-21 Maj, 2016, pp. 281-287, ISBN 978-9989-786-79-2, UDK: 656.2.025.2:005. 336.3(497.11)
3. Miličić M., Savković T.: Pregled teorija o organizacionom konfliktu, 19. Međunarodna DQM konferencija Upravljanje kvalitetom i pouzdanošću, Prijedor: Istraživački centar DQM, Čačak, 29-30 Jun, 2016, pp. 297-302, ISBN 978-86-86355-31-7
4. Pitka P., Simeunović M., Marjanović S., Radivojević D.: QUALITY OF SERVICE IN MASS PUBLIC TRANSPORT, 7. International Conference Life Cycle Engineering and Management - ICDQM, Prijedor: Research Center DQM, 29-30 Jun, 2016, pp. 227-232, ISBN 978-86-86355-32-4

5. Popović V., Stanković M., Gladović P.: NEEDS FOR APPLICATION OF MODERN FARE SYSTEMS IN PUBLIC CITY PASSENGER TRANSPORT, 1. First International conference Transport for today's society, Bitola: Faculty of Technical Sciences, 19-21 Maj, 2016, ISBN 978-9989-786-79-2
6. Savković T., Miličić M., Pitka P., Stošović N.: MUTUAL INFLUENCE OF TRANSPORT AND TOURISM, 1. First International conference Transport for today's society, Bitola: Faculty of technical science, 19-21 Maj, 2016, pp. 46-52, ISBN 978-9989-786-79-2, UDK: 338.48:656.02
7. Sremac S., Arsić T., Vukobratović B., Smiljanić N., Tepić G.: Justification of the usage of the approved packaging in the transport of dangerous goods, 1. First International conference Transport for today's society, Bitola: The Faculty of Technical Sciences in Bitola, 19-21 Maj, 2016, pp. 264-270
8. Stanković M., Gladović P., Perić M., Bogičević D., Popović V., Radosavljević D.: PROLONGED BUS WAITING TIME AT A BUS STOP CAUSED BY PASSENGERS' ENTRANCE AND EXIT, 1. First International conference Transport for today's society, Bitola: Faculty of Technical Sciences, 19-21 Maj, 2016, ISBN 978-9989-786-79-2
9. Stojić G., Tepić J., Sremac S., Milinković S.: Models for logistics center management, 1. First International conference Transport for today's society, Bitola: Faculty of Technical Sciences in Bitola, 19-21 Maj, 2016, pp. 281-288
10. Vesković S., Stojić G., Stević Ž., Vasiljević M., Rajilić S.: Application of Fuzzy AHP Method for Profit Analysis of Railway Operators With PSO, 17. Scientific-Expert Conference on Railways - RAILCON, Niš: Faculty of Mechanical Engineering – University of Niš, 13-14 Oktobar, 2016, pp. 105-108, ISBN 978-86-6055-086-8

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Đorđević D., Stojić G., Bundalo Z.: Socijalna isključenost osoba sa invaliditetom i transport – s primjerima, Suvremeni promet, 2016, Vol. 36, No 5-6, pp. 274-277, ISSN 0351-1898, UDK: 656
2. Miličić M., Savković T., Pitka P., Gladović P., Dejanović B.: Karakteristike "Roll kontejnera" u distribuciji robe široke potrošnje, Tehnika - Saobraćaj, 2016, Vol. 63, No 4, pp. 600-603, ISSN 0558-6208
3. Ožegović B., Sremac S., Tadić Ž., Stević Ž.: Značaj i uloga savetnika za bezbednost u transportu opasnog tereta železnicom, Ecologica, 2016, Vol. 23, No 83, pp. 647-651, ISSN 0354-3285
4. Pitka P., Simeunović M., Savković T., Simeunović M.: Headway disturbance control in urban public transport, Suvremeni promet, 2016, Vol. 36, No 1-2, pp. 69-72, ISSN 0351-1898, UDK: 656.021+656.1/5
5. Savković T., Miličić M., Atanasković P., Pitka P., Milenković I.: Impact of Eco-driving on the Environment and Transport Company Operations, Suvremeni promet, 2016, Vol. 36, No 5-6, pp. 283-285, ISSN 0351-1898, UDK: 656
6. Stojković V., Sremac S., Stojić G., Tepić G.: Tokovi povratne ambalaže u funkciji održivog razvoja, Ecologica, 2016, Vol. 23, No 84, pp. 784-789, ISSN 0354-3285

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Stević Ž., Vasiljević M., Stojić G., Tanackov I.: Integrisani fazi model za rešavanje lokacijskog problema, Železnice, 2016, Vol. 62, No 1, pp. 49-56, ISSN 0350-5138, UDK: 658.72:78:510.64

Spisak rezultata M53 - Rad u naučnom časopisu

1. Miličić M., Brdar M.: Pобољшanje organizacije poslovanja transportnog preduzeća upravljanjem rizikom na transportnom tržištu, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 3, pp. 566-569, ISSN 0350-428X
2. Tomović N., Pejčić Tarle S., Gladović P.: Evaluation of the impacts of SMS/IMS on transport organizations performances, Advanced Quality: international journal, 2016, Vol. 44, No 4, pp. 31-36, ISSN 2217-8155, UDK: 658.5

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Gladović P., Deretić N.: Bezbednosni rizici u javnom masovnom transportu putnika, 11. Savetovanje na temu saobraćajne nezgode, Zlatibor, 19-21 Maj, 2016, pp. 18-26, ISBN 978-86-86931-13-9
2. Gladović P., Deretić N.: Pregled rezultata merenja buke drumskog saobraćaja iz izabranih gradova Republike Srbije, 13. Inovative technologies with in the function of solving of the traffic and environmental problems in transport countries, Travnik, 27-28 Maj, 2016, pp. 62-69, ISBN 2232-8807
3. Gladović P., Radosavljević D., Stanković M.: Analiza izduvnih gasova od vozila na primeru grada Niša, 13. Inovative technologies with in the function of solving of the traffic and environmental problems in transport countries, Travnik, 27-28 Maj, 2016, pp. 238-246, ISBN 2232-8807

4. Kostić S., Popović V., Gladović P.: Prikaz mišljenja mladih vozača od 19 do 25 godina, o definisanim, opasnim situacijama u saobraćaju, 11. Savetovanje na temu saobraćajne nezgode, Zlatibor, 19-21 Maj, 2016, pp. 132-141, ISBN 978-86-86931-13-9
5. Stanković M., Gladović P., Fastikić Ž.: Analiza javnog gradskog prevoza sa aspekta značajnog uticaja na uslove života u naselju, 11. Savetovanje na temu saobraćajne nezgode, Zlatibor, 19-21 Maj, 2016, pp. 357-365, ISBN 978-86-86931-13-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

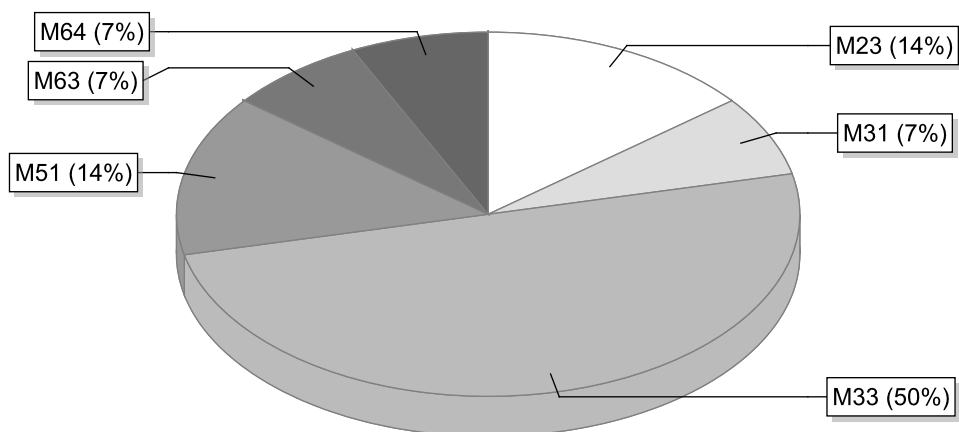
1. Pitka P.: Optimizacija linijskih sistema javnog prevoza putnika, Novi Sad, Fakultet tehničkih nauka, 2016

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za poštanski saobraćaj i komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	2
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Rad u vodećem časopisu nacionalnog značaja	M51	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Pamučar D., Vasin Lj., Atanasković P., Miličić M.: Planning the City Logistics Terminal Location by Applying the Green p-Median Model and Type-2 Neurofuzzy Network, Computational Intelligence and Neuroscience, 2016, Vol. 2016, No 2016, pp. 1-15, ISSN 1687-5265
2. Šarac D., Kopic M., Mostarac K., Kujačić M., Jovanović B.: Application of Set Covering Location Problem for Organizing the Public Postal Network, Promet - Traffic and Transportation, 2016, Vol. 28, No 4, pp. 403-413, ISSN 0353-5320

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Kranjac M.: STRATEGIC DEVELOPMENT BASED ON PRINIPLS OF SMART SPECIALIZATION, CASE OF VOJVODINA, 19. Naučno stručni skup Informacione tehnologije, Žabljak: Elektrotehnicki fakultet Podgorica, 24-28 Februar, 2014, pp. 1-5

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Dupljanin Đ., Dumnić S., Atanasković P.: Big data in postal traffic and possibilities of use, 15. International Symposium SymOrg, Zlatibor: University of Belgrade, Faculty of organizational sciences, 10-13 Jun, 2016, pp. 458-463, ISBN 978-86-7680-326-2
2. Jovanović B., Šarac D., Kujačić M.: Improvement of service environment at postal network units, 15. International Symposium SymOrg, Zlatibor, 10-13 Jun, 2016, pp. 898-905, ISBN 978-86-7680-326-2
3. Kranjac M., Grubić-Nešić L., Pejanović R., Sedlak O., Vermezović T.: TREĆA MISIJA UNIVERZITETA (Istraživanja na Univerzitetu u Novom Sadu), 22. Trendovi razvoja TREND, Zlatibor: FTN Novi Sad, 16-19 Februar, 2016
4. Kranjac M.: GIS in the e-government platform to enable state financial subsidies data transparency, Kranjac, Sikimic, Paroski, Tomic, Mipro 2016, 39. International Convention on Information and Communication Technology, Electronics and Microelectronics - MIPRO, Opatija, 30-3 Maj, 2016, pp. 383-387
5. Kranjac M.: Kranjac, M., Sikimic, U., Tomic, S., Simic, I. (2016) E-government based on GIS platform for the support of state aid transparency, ICIST 2016, 6. International Conference on Information Science and Technology (ICIST), Kopaonik, 29-2 Februar, 2016, pp. 346-351
6. Kranjac M.: Primena GIS-a u E-trgovini, 16. E-trgovina, Palić, 20-22 April, 2016
7. Nikoličić S., Pavković A., Mirčetić D., Dumnić S.: Logistička sposobnost Republike Srbije, Suvremeni promet, 2016, Vol. 36, No 1-2, pp. 73-77, ISSN 0351-1898, 23. International Scientific Symposium - Transport Systems, Zagreb: Hrvatsko znanstveno društvo za promet, 28-29 April, 2016, pp. 73-77, ISBN 0351-1898, UDK: 656

### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Savković T., Miličić M., Atanasković P., Pitka P., Milenković I.: Impact of Eco-driving on the Environment and Transport Company Operations, Suvremeni promet, 2016, Vol. 36, No 5-6, pp. 283-285, ISSN 0351-1898, UDK: 656
2. Vidović D., Šarac D., Nikoličić S., Stojanović Đ., Jovanović B.: Upravljanje performansama skladišta u JP „Pošta Srbije“, Tehnika, 2016, No 6, pp. 901-908, ISSN 0040-2176

### Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Kujačić M., Jovanović B., Trubint N.: Direktna pošta - prošlost ili budućnost, 34. PosTel, Beograd, 29-30 Novembar, 2016, pp. 165-172, ISBN 978-86-7395-363-2

### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

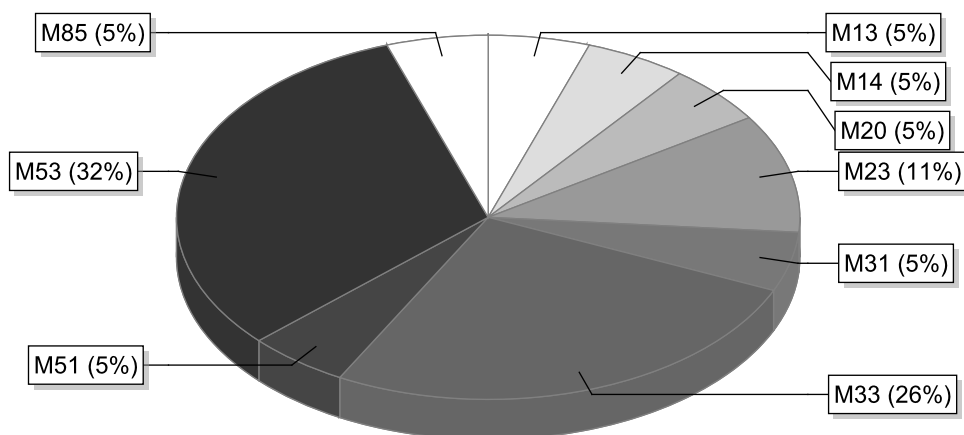
1. Kranjac M., Sikimić U., Vapa Tankosić J.: Podrška zapošljavanju u Vojvodini., 1. Obrazovanje i društveni razvoj Srbije sa akcentom na Bor i Istočnu Srbiju, Borsko jezero: Centar za strateška istraživanja nacionalne bezbednosti i Univerzitet u Beogradu – Tehnički Fakultet u Boru., 2016, ISBN 978-86-85985-31-7, UDK: 37.014.5 (497.11) (082-11).

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za logistiku i intermodalni transport

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u međunarodnom časopisu	M23	2
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u naučnom časopisu	M53	6
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Simić D., Gajić J., Ilin V., Vasa S., Simić S.: A Hybrid Bio-inspired ELECTRE Approach for Decision Making in Purchasing Agricultural Equipment, Berlin, Springer-Verlag Berlin Heidelberg, Lecture Notes in Computer Science, 2016, str. 283-295, ISBN 978-3-319-32033-5, UDK: ISSN: 0302-9743

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Simić D., Svirčević V., Sremac S., Ilin V., Simić S.: An Efficiency K-Means Data Clustering in Cotton Textile Imports, Wrocław, Springer International Publishing, 2016, str. 255-264, ISBN 978-3-319-26225-3

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Medić S., Grbić T., Perović A., Nikoličić S.: Inequalities of Hölder and Minkowski type for pseudo-integrals with respect to interval-valued  $\alpha$ -measures/ <http://dx.doi.org/10.1016/j.fss.2015.11.014>, Fuzzy Sets and Systems, 2016, Vol. 304, pp. 110-130, ISSN 0165-0114, UDK: <http://dx.doi.org/10.1016/j.fss.2015.11.014>

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kilibarda M., Nikoličić S., Andrejić M.: Measurement of logistics service quality in freight forwarding companies, The International Journal of Logistics Management, 2016, Vol. 27, No 3, pp. 770-794, ISSN 0957-4093
2. Mirčetić D., Ralević N., Nikoličić S., Maslarić M., Stojanović Đ.: Expert System Models for Forecasting Forklifts Engagement in a Warehouse Loading Operation: A Case Study, Promet - Traffic and Transportation, 2016, Vol. 28, No 4, pp. 393-401, ISSN 0353-5320, UDK: 656

Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Stojanović Đ., Knežević V.: Logistics Operators in Waste Management in the Republic of Serbia, 24. International Conference "Ecological Truth", Eco-Ist, Vrnjačka Banja: University of Belgrade - Technical Faculty in Bor, 12-15 Jun, 2016, pp. 19-31, ISBN 978-86-6305-043-3

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bašić A., Veličković M.: Stakeholder based classification of sustainable indicators in freight transportation, 24. International Conference "Ecological Truth", Eco-Ist, Vrnjačka Banja: University of Belgrade - Technical Faculty in Bor, 12-15 Jun, 2016, ISBN 978-86-6305-043-3
2. Maslarić M., Nikoličić S., Mirčetić D., Veličković M.: A roadmap towards improving portfolio of logistics service providers with the aim of creating sustainable short food supply chains, 11. International May Conference on Strategic Management - IMKSM, Bor: Technical Faculty, Management Department, Bor, 2016, pp. 196-204, ISBN 978-86-6305-042-6
3. Mirčetić D., Nikoličić S., Maslarić M.: Prognoziranje potrebnog broja viličara prilikom otpreme gotovih proizvoda, Suvremeni promet, 2016, Vol. 36, No 1-2, pp. 105-109, ISSN 0351-1898, 23. International Scientific Symposium - Transport Systems, Zagreb: Hrvatsko znanstveno društvo za promet, 28-29 April, 2016, pp. 105-109, ISBN 0351-1898, UDK: 656
4. Nikoličić S., Pavković A., Mirčetić D., Dumnić S.: Logistička sposobnost Republike Srbije, Suvremeni promet, 2016, Vol. 36, No 1-2, pp. 73-77, ISSN 0351-1898, 23. International Scientific Symposium - Transport Systems, Zagreb: Hrvatsko znanstveno društvo za promet, 28-29 April, 2016, pp. 73-77, ISBN 0351-1898, UDK: 656
5. Veličković M., Stojanović Đ., Pantić D.: Environmental protection in global logistics companies, 24. International Conference "Ecological Truth", Eco-Ist, Vrnjačka Banja: University of Belgrade - Technical Faculty in Bor, 12-15 Jun, 2016, ISBN 978-86-6305-043-3

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Vidović D., Šarac D., Nikoličić S., Stojanović Đ., Jovanović B.: Upravljanje performansama skladišta u JP „Pošta Srbije“, Tehnika, 2016, No 6, pp. 901-908, ISSN 0040-2176

Spisak rezultata M53 - Rad u naučnom časopisu

1. Dončić D., Stojanović Đ.: Karakteristike logističke multijade na primeru automobilske industrije, Zbornik radova Fakulteta tehničkih nauka, 2016, No 12, pp. 2201-2204, ISSN 0350-428X
2. Lekić Đ., Stojanović Đ.: Logistički procesi u tokovima plastične ambalaže, Zbornik radova Fakulteta tehničkih nauka, 2016, No 1, pp. 156-159, ISSN 0350-428X
3. Maslarić M., Brnjac N., Bago D.: Intermodal Supply Chain Risk Management, Pomorski zbornik - Journal of

Maritime & Transportation Sciences, 2016, Vol. 52, No 2, pp. 11-30, ISSN 0554-6397, UDK: 338.47:656.61:504.054(05)

4. Maslarić M., Nikoličić S., Mirčetić D.: Logistics Response to the Industry 4.0: the Physical Internet, Open Engineering, 2016, Vol. 6, No 1, pp. 511-517, ISSN 2391-5439
5. Mirčetić D., Nikoličić S., Maslarić M., Ralević N., Debelić B.: Development of S-ARIMA Model for Forecasting Demand in a Beverage Supply Chain, Open Engineering, 2016, Vol. 6, No 1, pp. 407-411, ISSN 2391-5439, UDK: DOI 10.1515/eng-2016-0056
6. Vranić J., Stojanović Đ.: Karakteristike karbonskog otiska voznog parka preduzeća "Jezero" d.o.o. Kragujevac, Zbornik radova Fakulteta tehničkih nauka, 2016, No 7, pp. 1341-1344, ISSN 0350-428X

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

1. Stojanović Đ., Nikoličić S., Maslarić M., Veličković M., Mirčetić D.: PORTAL ZA RAZMENU INFORMACIJA U SAOBRAĆAJU I TRANSPORTU (PRINSIT), 2016

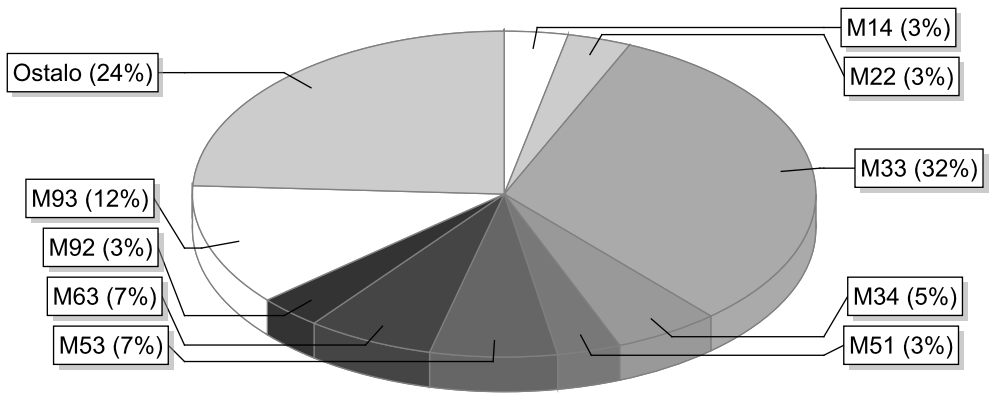


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografija međunarodnog značaja	M12	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	3
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	29
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	5
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	2
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	2
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja	M49	2
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	6
Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M55	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Odbranjena doktorska disertacija	M71	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou	M91	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	3
Autorska izložba sa katalogom uz naučnu recenziju	M93	11

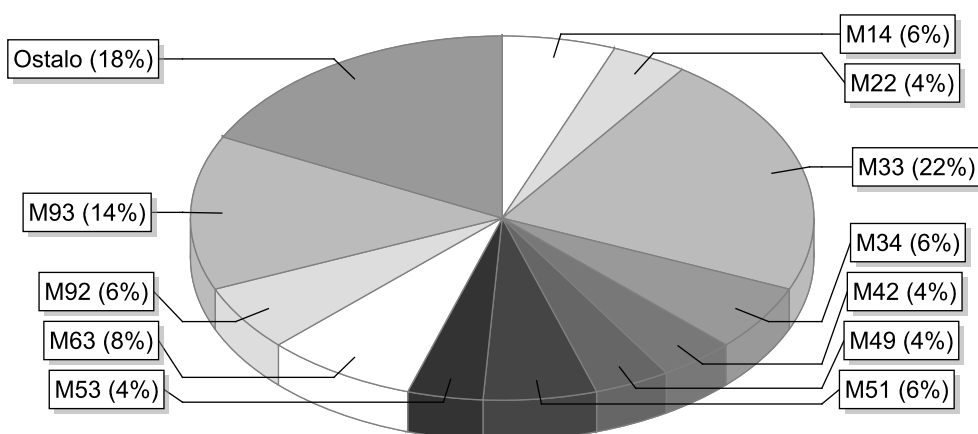


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografija međunarodnog značaja	M12	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	3
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	11
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	2
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja	M49	2
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u naučnom časopisu	M53	2
Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M55	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	3
Autorska izložba sa katalogom uz naučnu recenziju	M93	7



## PRODUKCIJA - REZULTATI

### Spisak rezultata M12 - Monografija međunarodnog značaja

1. Silađi M., Draganić A.: Domeniul de la Jimbolia/Das Landgut von Hatzfeld/A zombolyai uradalom: Moșia din Banat a familiei Csekonics/Das banater Großgrundbesitz der Familie Csekonics/A Csekonicsok bánáti nagybirtoka, Székesfehérvár, Magyar Nemzeti Levéltár Fejér Megyei Levéltára, 2016, ISBN 978-963-7233-44-9

### Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Sekulić M.: Energy Efficiency of Green roofs in Reconstruction and Designing of Sports , Beograd, Faculty of Sport and Physical Education, Belgrade, , 2016, str. 251-267, ISBN ISBN 987-86-89773-16, UDK: UDK796.02:574
2. Sekulić M.: The impact of green roofs in the vicinity of sport facilities on health and social well-being of their users, Beograd, Faculty of Sport and Physical Education, Belgrade, 2016, ISBN ISBN 987-86-89773-16, UDK: UDK628.5:796
3. Škorić S., Brkljač D., Milinković A., Krklješ M.: Interaction between design of public spaces and pedestrian mobility in city branding effort of Novi Sad (Serbia), Urban Planning, Public Space & Mobility, ECTP-CEU Young Planners Workshop 2016, Brussels, ECTP-CEU (European Council of Spatial Planners - Conseil européen des urbanistes), 2016, str. 84-100, ISBN 978-2-9601363-5-7

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Roter Blagojević M., Draganić A.: The new technology era requirements and sustainable approach to industrial heritage renewal , Energy and Buildings, 2016, Vol. 115, pp. 148-153, ISSN 0378-7788

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Mičkei K.: (SUA1.1)Стамбени објекат, дворишни апартман у Лаћарку, Сремска Митровица Пројекат приказан на међународну изложбу 20. Салон и дани архитектуре у Новом Саду „ПРЕСПАЈАЊЕ/REWIRING“, Нови Сад, Србија, 2016. Каталог изложбе – специјално издање „ДанС, часопис за архитектуру и урбанизам“, бр 081 – ISSB 0351-9775, COBISS.SR-ID 19320844. , DaNS - Zapisi iz arhitekture, urbanizma i dizajna, 2016, No 081, ISSN 0351-9775

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Harmati N., Folić R., Magyar Z., Dražić J., Kurtović-Folić N.: Building Envelope Influence on the Annual Energy Performance in Office Buildings, Thermal Science, 2016, Vol. 20, No 2, pp. 679-693, ISSN 0354-9836
2. Ljubojević M., Ognjanov V., Barać G., Dulić J., Miodragović M., Sekulić M., Jovanović-Lješković N.: Cherry tree growth models for orchard management improvement doi:10.3906/tar-1606-14, Turkish Journal of Agriculture and Forestry Sciences, 2016, Vol. 40, No 6, pp. 839-854, ISSN 1300-011X

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Živković M., Kurtović-Folić N., Kondić S., Jovanović G., Mitković P.: CURRENT STRATEGIES OF URBAN AND ARCHITECTURAL CONVERSION AS A RESULT OF INCREASED HOUSING DEMANDS, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 2, pp. 709-716, ISSN 1330-3651

### Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Brkljač D., Milinković A., Krklješ M.: URBAN SPACE AS AN IMAGE OF THE SOCIO-ECONOMIC CONTEXT IN CONTEMPORARY CITIES, Facta Universitatis, Series: Architecture and Civil Engineering, 2016, Vol. 14, No 2, pp. 181-189, ISSN 0354-4605

### Spisak rezultata M32 - Predavanje po pozivu sa međunarodnog skupa štampano u izvodu

1. Sekulić M., Romić D.: Ecological aspect of roof gardens in the process of sustainable development of urban and suburban settlements , 19. International Eco-conference Environmental Protection of Urban and Suburban Settlements, Novi Sad: Eco-conference, 23-25 Septembar, 2015, pp. 51-59

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bjelić I., Kurtović-Folić N., Folić R.: Wooden beams built-in vaults and domes of the churches in medieval Serbia from the second half of 12th to mid of 14th century, 1. International Scientific conference "Prevention of cultural heritage BASE", Sofija: Bulgarian Academy sciences and Art, 23-25 Novembar, 2016, pp. 111-122, ISBN 978-954-8931-50-2
2. Brkljač D., Krklješ M., Milinković A., Škorić S.: ILLUMINATION OF FACADES OF PUBLIC BUILDINGS IN NOVI SAD AND ITS IMPACT ON SPATIAL PERCEPTION, 3. Places and Technologies, Beograd: University of Belgrade – Faculty of Architecture, 14-15 April, 2016, pp. 507-514, ISBN 978-86-7924-161-0

3. Brkljač D., Milinković A., Vukajlov Lj.: URBAN ANALYSIS AND VALORIZATION OF SPACE AROUND THE BUS AND TRAIN STATIONS IN NOVI SAD, 4. Savremena dostignuća u građevinarstvu, Subotica: GRAĐEVINSKI FAKULTET SUBOTICA, 22-23 April, 2016, ISBN 978-86-80297-63-7, UDK: 725.3(497.113NOVI SAD)
4. Draganić A., Silađi M.: The future of old industrial areas - Sustainable approach, 3. Places and Technologies, Beograd: University of Belgrade, Faculty of architecture, 14-15 April, 2016, pp. 405-411, ISBN 978-86-7924-160-3
5. Kurtović-Folić N., Folić R.: Aesthetics of the engineering structures at the beginning of the 21th century, 3rd International Scientific Meeting E-GTZ 2016, 3. State and trends of civil and environmental engineering E-GTZ, Tuzla, 2-4 Jun, 2016, pp. 865-876
6. Milinković A., Brkljač D., Škorić S., Momirov M.: APPLICATION OF COLOR ON FACADES IN THE FUNCTION OF CREATING VISUAL BENCHMARKING - CASE STUDY - RESIDENTIAL FACILITIES IN NOVI SAD -, 4. Savremena dostignuća u građevinarstvu, Subotica: GRAĐEVINSKI FAKULTET SUBOTICA, 22-23 April, 2016, ISBN 978-86-80297-63-7, UDK: UDK: 72.012.6
7. Momirov M.: Application of color on facades in the function of creating visual benchmarking , 4. Savremena dostignuća u građevinarstvu, Subotica, 22 April, 2016, pp. 779-788, ISBN 978-86-80297-63-7
8. Nedučin D., Krklješ M.: Transition and the city: Transformation of urban structure during the post-socialist period, 3. Places and Technologies, Beograd: University of Belgrade – Faculty of Architecture, 14-15 April, 2016, pp. 389-394, ISBN 978-86-7924-161-0
9. Reba D., Kostreš M.: Savremeni programi istorijskog grada, 3. Očuvanje i unapređenje istorijskih gradova, Sremski Karlovci: Pokrajinski zavod za zaštitu spomenika kulture, 12-13 Maj, 2016, pp. 164-181, ISBN 978-86-80929-32-3
10. Škorić S., Krklješ M., Brkljač D., Milinković A.: TRANSFORMATIONS AND PERMANENCE OF REPUBLIC SQUARE, 3. Places and Technologies, Beograd: University of Belgrade – Faculty of Architecture, 14-15 April, 2016, pp. 473-480, ISBN 978-86-7924-161-0
11. Škorić S., Krklješ M., Milinković A., Brkljač D.: LIBERATION BOULEVARD'S STRUCTURE AND IDENTITY IMPACT ON PEDESTRIAN ACTIVITIES, 4. Savremena dostignuća u građevinarstvu, Subotica: GRAĐEVINSKI FAKULTET SUBOTICA, 22-23 April, 2016, ISBN 978-86-80297-63-7, UDK: 711.4(497.113NOVI SAD)

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Draganić A., Silađi M.: The future of old industrial areas - Sustainable approach, 3. Places and Technologies, Beograd: University of Belgrade, Faculty of architecture, 14-15 April, 2016, ISBN 978-86-7924-160-3
2. Šunjević M., Vojinović-Miloradov M., Reba D., Zeković M., Konstantinović D., Obrovski B.: Sustainability model between environment and architecture in Vojvodina, 11. Savjetovanje hemičara i tehnologija Republike Srpske, Teslić: University in Banjaluka, Faculty of Technology, 18-19 Novembar, 2016, pp. 160-160, ISBN 978-99938-54-66-1
3. Šunjević M., Vojinović-Miloradov M., Reba D., Zeković M., Obrovski B., Živančev (Šenk) N.: Sustainable building design and environment, 22. International Scientific Conference –Engineering for Environment Protection-TOP 2016, Bratislava: Slovak University of Technology, 7-9 Jun, 2016, pp. 84-84, ISBN 978-80-227-4568-0

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Micić M., Nemet F., Silađi M.: Banatska mala pruga, Novo Miloševo, Banatski kulturni centar, Univerzitet u Novom Sadu, 2016, ISBN 978-86-6029-301-7
2. Reba D.: Ulični sistem i urbana morfologija, Novi Sad, FTN - izdavaštvo, 2016, ISBN 978-86-7892-851-2

Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

1. Sladić M., Silađi M.: Arhitektonsko nasleđe Pasterovog zavoda u Novom Sadu, u Spomenica: 95 godina Pasterovog zavoda u Novom Sadu, Novi Sad, Pasterov zavod, 2016, str. 127-145, ISBN 978-86-918883-1-2

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Reba D., Kostreš M.: Planiranje distribucije kulture u Novom Sadu, Novi Sad, Zavod za kulturu Vojvodine, 2016, str. 102-112, ISBN 987-86-85217-14-2

Spisak rezultata M49 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja

1. Reba D., Carević M.: Strategije transformacije centralnog područja Sombora, Departman za arhitekturu i urbanizam, 2016, ISBN 987-867892-827-7
2. Sladić M., Silađi M.: Instrumenti, Novi Sad, Fakultet tehničkih nauka, 2016, ISBN 9 788678 928192

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Krklješ M., Nedučin D.: Public Spaces for Children in a Post-Socialist City, South East European Journal of Architecture and Design, 2016, No vol. 2016, pp. 1-5, ISSN 1857-9353
2. Krklješ M.: Public Spaces for Children in a Post-Socialist City, South East European Journal of Architecture and Design, 2016, No vol. 2016, pp. 1-5, ISSN 1857-9353
3. Vukajlov Lj.: Promišljanje o urbanizmu malih gradova Srbije, Povod - monografija: 50 godina urbanizma u Kikindi - grad po meri čoveka, Biserka Ilijašev, Izgradnja, 2016, Vol. 70, No 3-4, pp. 154-159, ISSN 0350-5421, UDK: 624+71+72(05)

Spisak rezultata M53 - Rad u naučnom časopisu

1. Andrić I., Konstantinović D.: KOMPLEKS ZA STARA LICA U LOZNICI , Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 7, pp. 1357-1360, ISSN 0350-428X
2. Ristić J., Konstantinović D.: АРХИТЕКТОНСКО УРБАНИСТИЧКА СТУДИЈА ЦЕНТРА ЗА РАЗВОЈ ДЕЦЕ, Zbornik radova Fakulteta tehničkih nauka, 2016, Vol. 31, No 6, pp. 1063-1066, ISSN 0350-428X

Spisak rezultata M55 - Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)

1. Krklješ M.: Član uredništva časopisa South East European Journal of Architecture and Design ISSN: 1857-9353, South East European Journal of Architecture and Design, 2016, ISSN 1857-9353

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Draganić A., Silađi M., Sladić M.: Integrativni pristup u urbanoj obnovi istorijskih jezgara, 4. Savremena dostignuća u građevinarstvu, Subotica: Građvinski fakultet, 22 April, 2016, pp. 837-846, ISBN 978-86-80297-63-7
2. Krklješ M., Bošković R., Dinulović R.: Primena savremenih tehnologija – iskustva rada na kursovima u okviru Tempus projekta „Development and implementation of Courses for Theatre Technicians and Stage Managers“ - SCENTEC, 22. Trendovi razvoja TREND, Zlatibor: Univerzitet u Novom Sadu i Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 124-127
3. Reba D., Carević M.: Sistem i pristupi povezivanja studenata sa praksom putem učenja urbane akupunkture, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 136-139, ISBN 978-86-7892-795-9
4. Šunjević M., Vojinović-Miloradov M., Reba D., Zeković M., Konstantinović D., Obrovski B.: Model održivog razvoja za Vojvodinu, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 157-160, ISBN 978-86-7892-825-3

Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

1. Nedeljković D.: Scenografija za predstavu "DECA RADOSTI", Milena Marković, pozorište Atelje 212, Beograd , 2016
2. Nedeljković D.: Scenografija za predstavu "PRIMORJE", Edvard Olbi, pozorište Atelje 212, Beograd, 2016
3. Nedeljković D.: Scenografiju za predstavu "TERORIZAM", Oleg i Vladimir Presnjakov, Beogradsko dramsko pozorište, Beograd, 2016

Spisak rezultata M93 - Autorska izložba sa katalogom uz naučnu recenziju

1. Babić T., Momirov M.: „Oko arhitekture“ – publikacija– selektirani projekat za međunarodnu izložbu 20. Salon i dani arhitekture u Novom Sadu „PRESPAJANJE/REWIRING“, Novi Sad, Društvo arhitekata Novog Sada, 2016, str. 97-97, ISBN 0351-9775
2. Babić T., Momirov M.: „Podgrađe podsve(s)t grada“ – selektirani projekat za međunarodnu izložbu 20. Salon i dani arhitekture u Novom Sadu „PRESPAJANJE/REWIRING“, Novi Sad, 2016., Novi Sad, Društvo arhitekata Novog Sada, 2016, str. 112-112, ISBN 19320844
3. Draganić A., Silađi M.: Apatinska pivara/Die Apatiner Brauerei/Az Apatini Sörgyár: Kontekst i kontinuitet/Kontext und Kontinuität/Kontextus és kontinuitás, Novi Sad, Fakultet tehničkih nauka, 2016, ISBN 978-86-789-2876-5
4. Konstantinović D., Zeković M., Jović S., Momirov M., Mitrović J.: APKP na stanici - izložba arhitektonskih studija razvoja železničkog čvora u Novom Sadu, Novi Sad, Fakultet tehničkih nauka , 2016, str. 1-10, ISBN

978-86-7892-895-6

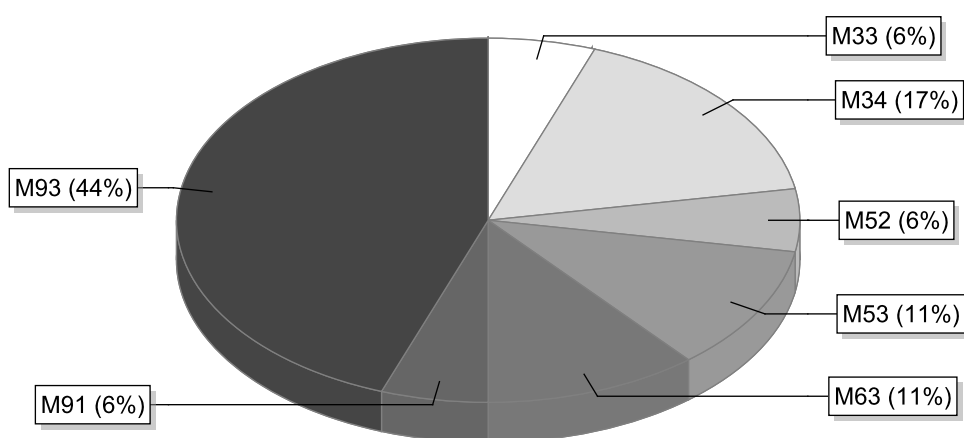
5. Konstantinović D., Zeković M., Žugić V., Jović S., Stojković B., Stevanović D.: Projekat adaptacije i rekonstrukcije objekta Doma Revolucije u Nikšiću” – konkursno rešenje –selektirani arhitektonski projekat za međunarodnu izložbu 20. Salon i dani arhitekture u Novom Sadu „PRESPAJANJE/REWIRING“, Novi Sad, 2016., Novi Sad, Društvo arhitekata Novog Sada, 2016, ISBN 0351-9775
6. Silađi M., Draganić A.: Calea ferată îngust din Banat/Die banater Schmalspurbahn/Bánáti kisvasút: Calea ferată Csekonics/Die Csekonics-Bahn/A Csekonics-féle vasút., Novi Sad, Univerzitet u Novom Sadu, 2016, ISBN 978-86-499-0212-1
7. Silađi M., Draganić A.: Csekonics moštenirea/Csekonics Erbe/Csekonics örökség: Patrimoniul construit al domeniului familiei de la Jimbolia Das hintergebliebende Gebäude der Familie in Hatzfeld/A család zsombolyai uradalmának épített öröksége, Székesfehérvár, Magyar Nemzeti Levéltár Fejér Megyei Levéltára, 2016, ISBN 978-963-7233-45-6

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za umetnost primenjenu na arhitekturu, tehniku i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou	M91	1
Autorska izložba sa katalogom uz naučnu recenziju	M93	8





## PRODUKCIJA - REZULTATI

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Žugić V.: „Architectural Imprints and performing the Imaginary“, u ur. Maria do Rosario Monteiro, Mario S. Ming Kong: „2nd International Multidisciplinary Congress PHI 2016 - Utopia(s) – Worlds and Frontiers of the Imaginary“, 20-22. oktobar, 2016, Lisabon, Portugalija; ISBN 978-1-138-19748-0, Taylor&Francis Group, London, UK, 2016, str. 163-166., 2. International Multidisciplinary Congress PHI, Lisabon: Taylor&Francis Group, 20-22 Oktobar, 2016, pp. 163-166, ISBN ISBN 978-1-138-19748

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Šunjević M., Vojinović-Miloradov M., Reba D., Zeković M., Konstantinović D., Obrovski B.: Sustainability model between environment and architecture in Vojvodina, 11. Savjetovanje hemičara i tehnologija Republike Srpske, Teslić: University in Banjaluka, Faculty of Technology, 18-19 Novembar, 2016, pp. 160-160, ISBN 978-99938-54-66-1
2. Šunjević M., Vojinović-Miloradov M., Reba D., Zeković M., Obrovski B., Živančev (Šenk) N.: Sustainable building design and environment, 22. International Scientific Conference –Engineering for Environment Protection-TOP 2016, Bratislava: Slovak University of Technology, 7-9 Jun, 2016, pp. 84-84, ISBN 978-80-227-4568-0
3. Žugić V., Zeković M.: „Vitić Dances: Architecture Claims Performativity“, u „Shifting Grounds: Literature, Culture and Spatial Phenomenologies“, 25-27. novembar, 2016, Ciriš, Švajcarska; The University of Zurich, 2016, str. 75-76., 1. Shifting Grounds: Literature, Culture and Spatial Phenomenologies, Ciriš, 25-27 Novembar, 2016

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Milićević S.: Anestetizovani svet slike-izloga, Scena. Časopis za pozorišnu umetnost, 2016, No 3-4, pp. 108-117, UDK: 792

Spisak rezultata M53 - Rad u naučnom časopisu

1. Stojšić M.: Milica Stojšić, Dragana Pilipović: Plakat kao prozor u svet pozorišta <http://www.pozorje.org.rs/scena/scena1634.pdf>, Scena, 2016, Vol. 2016, No 3-4, pp. 118-125, ISSN 0036-
2. Vilotić D.: Tekst za rubriku "Scenski dizajn" pod nazivom: "Granične teritorije: Scenski dizajn na Bitefu 2016.", Cena, 2016, Vol. 1, No 1, pp. 209-221, ISSN 0036-5734

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Krklješ M., Bošković R., Dinulović R.: Primena savremenih tehnologija – iskustva rada na kursovima u okviru Tempus projekta „Development and implementation of Courses for Theatre Technicians and Stage Managers“ - SCENTEC, 22. Trendovi razvoja TREND, Zlatibor: Univerzitet u Novom Sadu i Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 124-127
2. Šunjević M., Vojinović-Miloradov M., Reba D., Zeković M., Konstantinović D., Obrovski B.: Model održivog razvoja za Vojvodinu, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 157-160, ISBN 978-86-7892-825-3

Spisak rezultata M91 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou

1. Dimitrovska D.: Umetnički direktor dugometražnog dokumentarnog filma „Druga linija“, reditelj Nenad Milošević, Palić, Catalogue / 22rd European Film Festival Palić, 2016, str. 90-91, ISBN 978-86-87613-60-7

Spisak rezultata M93 - Autorska izložba sa katalogom uz naučnu recenziju

1. Babić T., Momirov M.: „Oko arhitekture“ – publikacija– selektirani projekat za međunarodnu izložbu 20. Salon i dani arhitekture u Novom Sadu „PRESPAJANJE/REWIRING“, Novi Sad, Društvo arhitekata Novog Sada, 2016, str. 97-97, ISBN 0351-9775
2. Babić T., Momirov M.: „Podgrađe podsve(s)t grada“ – selektirani projekat za međunarodnu izložbu 20. Salon i dani arhitekture u Novom Sadu „PRESPAJANJE/REWIRING“, Novi Sad, 2016., Novi Sad, Društvo arhitekata Novog Sada, 2016, str. 112-112, ISBN 19320844
3. Konstantinović D., Zeković M., Jović S., Momirov M., Mitrović J.: APKP na stanici - izložba arhitektonskih studija razvoja železničkog čvora u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, 2016, str. 1-10, ISBN 978-86-7892-895-6
4. Konstantinović D., Zeković M., Žugić V., Jović S., Stojković B., Stevanović D.: Projekat adaptacije i rekonstrukcije objekta Doma Revolucije u Nikšiću – konkursno rešenje –selektirani arhitektonski projekat za međunarodnu izložbu 20. Salon i dani arhitekture u Novom Sadu „PRESPAJANJE/REWIRING“, Novi Sad, 2016., Novi Sad, Društvo arhitekata Novog Sada, 2016, ISBN 0351-9775

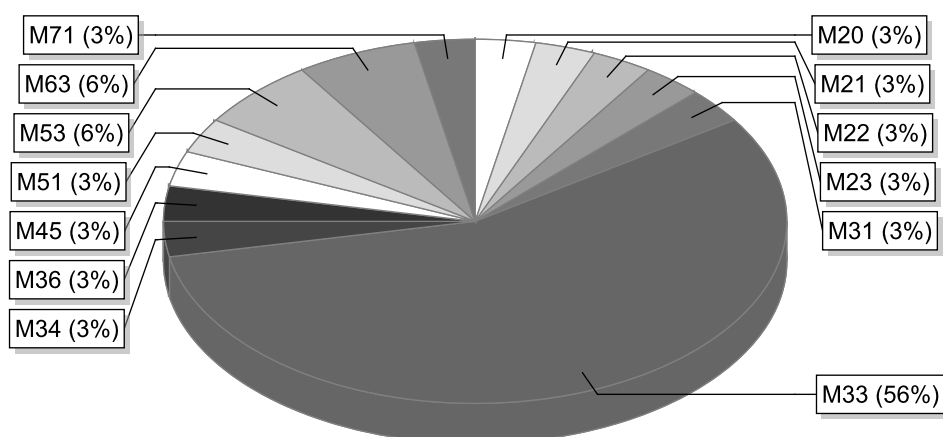
5. Stojšić M.: Umetnički projekat „Zapisi iz stana br. 50“, (sa D. Vilotić, J. Janev, V. Perić, M. Đuričić, M. Ponjavić i S. Maljković) Umetnički rad realizovan u sklopu pratećeg programa 61. Sterijinog pozorja, Novi Sad, Srbija, 2016. [http://www.scen.uns.ac.rs/wp-content/uploads/2016/05/katalog\\_zapisi-iz-stana-br.50.pdf](http://www.scen.uns.ac.rs/wp-content/uploads/2016/05/katalog_zapisi-iz-stana-br.50.pdf), Novi Sad, SCEN – Centre for Scene Design, Architecture and Technology Department of Architecture and Urbanism Faculty of Technical Sciences (FTS) University of Novi Sad (UNS), 2016
6. Stojšić M.: Video rad "IM-PERFEKAT", Film prikazan u okviru zvanične selekcije Festivala kratkog filma „Sedam svetskih čula“ u okviru manifestacije Nedelja svesti o mozgu 2016. godine Beograd, 2016. [http://www.biopsihijatrija.org/pdf\\_dodatno/2016/Program\\_7sc.pdf](http://www.biopsihijatrija.org/pdf_dodatno/2016/Program_7sc.pdf) , Beograd, Studentska sekcija društva za neuronake Srbije, 2016, str. 3-3
7. Subotin Nikolić M.: Gornji Milanovac, Moderna galerija Kulturnog centra, 13. MEĐUNARODNI BIJENALE UMETNOSTI MINIJATURE, 2016
8. Vilotić D.: „Zapisi iz stana br. 50“, Umetnički projekat studenata doktorskih studija Scenskog dizajna (Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka Novi Sad), Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, SCEN Centar za scenski dizajn, arhitekturu i tehnologiju, 2016, ISBN 978-86-7892-707-2

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorije i interpretacije prostora u arhitekturi i urbanizmu

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	18
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Perišić A., Lazić M., Perišić B.: The Extensible Orchestration Framework approach to collaborative design in architectural, urban and construction engineering, *Automation in Construction*, 2016, Vol. 71, pp. 210-225, ISSN 0926-5805

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Bajšanski I., Stojaković V., Jovanović M.: Effect of tree location on mitigating parking lot insolation, *Computers, Environment and Urban Systems*, 2016, No 56, pp. 59-67, ISSN 0198-9715

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Stojaković V., Tepavčević B.: Distortion Minimization: A Framework for the Design of Plane Geometric Anamorphosis, *Nexus Network Journal*, 2016, Vol. 18, No 3, pp. 1-19, ISSN 1590-5896

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Perišić A., Lazić M., Obradović R., Galić I.: Daylight And Urban Morphology: A Model For Analysing The Average Annual Illumination Of Residential Housing, *Tehnicki vjesnik - Technical Gazette*, 2016, Vol. 23, No 5, pp. 1343-1350, ISSN 1330-3651

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Tepavčević B.: Rethinking design and materiality in architecture at the age of computational design, 2. GOING DIGITAL: INOVATION IN ART, ARCHITECTURE, SCIENCE AND TECHNOLOGY, Beograd: Strand Sustainable Urban Society Association, 2-3 Jun, 2016, ISBN 978-86-89111-12-5

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bajšanski I., Mandić M., Tepavčević B.: PROCEDURAL MODELLING TOOLS IN ARCHITECTURAL EDUCATION, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG) Faculty of Civil Engineering, University of Belgrade Akademska misao, Beograd, 23-26 Jun, 2016, pp. 351-357, ISBN 978-86-7466-614-2
2. Jovanović M., Salaj D., Stojaković V.: Reflective Metal Material Generation in Architectural Visualization, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG) Faculty of Civil Engineering, University of Belgrade Akademska misao, Beograd, 23-26 Jun, 2016, pp. 359-367, ISBN 978-86-7466-614-2
3. Jovanović M., Stojaković V., Tepavčević B., Mitov D., Bajšanski I.: Generating an Anamorphic Image on a Curved Surface Utilizing Robotic Fabrication Process, 34. eCAADe 2016 / Complexity & Simplicity, Oulu: eCAADe (Education and Research in Computer Aided Architectural Design in Europe) and Oulu School of Architecture, University of Oulu., 24-26 Avgust, 2016, pp. 185-191, ISBN 9789491207105
4. Jovanović M., Tasevski J., Tepavčević B., Raković M., Mitov D., Borovac B.: Fabrication of Digital Anamorphic Sculptures with Industrial Robot, 25. IEEE International Conference on Robotics in Alpe-Adria-Danube Region - RAAD, Beograd, 30-2 Jun, 2016
5. Jovanović M., Vučić M., Štulić R., Stavrić M.: Computer Aided Curve and Surface Generation in Relativistic Geometry of Harmonic Equivalents, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG) Faculty of Civil Engineering, University of Belgrade Akademska misao, Beograd, 23-26 Jun, 2016, pp. 133-137, ISBN 978-86-7466-614-2
6. Jovanović M.: Genetic algorithm application as a sustainable urban planning optimization tool, 4. Between Computational Models and Performative Capacities, Novi Sad: eCAADe (Education and research in Computer Aided Architectural Design in Europe) and Faculty of Technical Sciences, University of Novi Sad, 19-20 Maj, 2016, pp. 31-39, ISBN 978-86-7892-807-9
7. Lazić M., Šiđanin P., Štulić R., Nedučin D.: Architectural Representations 1 - The Course at the Faculty of Technical Sciences, 4. Between Computational Models and Performative Capacities, Novi Sad, 19-20 Maj, 2016
8. Milošević D., Bajšanski I., Savić S., Žiberna I.: Benefits of the environmental simulations for the urban planning process, 4. International Regional eCAADe Workshop, Novi Sad, 19-20 Maj, 2016, pp. 24-30
9. Mitov D.: Cost-efficient Approaches in Fabrication of Street Furniture Based on Sectioning Design Strategies, 4. Between Computational Models and Performative Capacities, Novi Sad: eCAADe ( Education and Research in Computer Aided Architectural Design in Europe) and Faculty of Technical Sciences, University of Novi Sad, 19-20 Maj, 2016, pp. 87-92, ISBN 978 -86- 7892- 807
10. Nedučin D., Krklješ M.: Transition and the city: Transformation of urban structure during the post-socialist

period, 3. Places and Technologies, Beograd: University of Belgrade – Faculty of Architecture, 14-15 April, 2016, pp. 389-394, ISBN 978-86-7924-161-0

11. Nikolić D., Štulić R.: GEOMETRIC ANALYSIS OF ADMISSIBLE COLLAPSE MODES OF POINTED ARCHES HAVING MINIMUM THICKNESS, 5. International Conference moNGeometrija, Beograd: Akademska misao, 23-26 Jun, 2016, pp. 218-224, ISBN 978-86-7466-614-2
12. Nikolić D.: A Note on Milankovitch's Theory of Thrust Line Applied to Gothic Masonry Arches, 4. Savremena dostignuća u građevinarstvu, Subotica, 22-23 April, 2016, pp. 191-197, ISBN 978-86-80297-63-7, UDK: 624.072.32
13. Nikolić D.: DETERMINATION OF THE CENTROID OF POINTED ARCHES ACCORDING TO RADIAL STEREOTOMY, 5. International Conference moNGeometrija, Beograd: Akademska misao, 23-26 Jun, 2016, pp. 165-170, ISBN 978-86-7466-614-2
14. Nikolić D.: Geometric Framework for the Equilibrium Analysis of Pointed Arches According to Milankovitch's Theory of Thrust Line, 4. Between Computational Models and Performative Capacities, Novi Sad: eCAADe (Education and Research in Computer Aided Architectural Design in Europe) and Faculty of Technical Sciences, University of Novi Sad, 19-20 Maj, 2016, pp. 108-116, ISBN 978-86-7892-807-9
15. Nikolić D.: Graphical Simulation of Minimum Thickness of Clamped Pointed Arch, 4. Savremena dostignuća u građevinarstvu, Subotica, 22-23 April, 2016, pp. 199-210, ISBN 978-86-80297-63-7, UDK: 624.072.32 : 519.6
16. Stojaković V., Tepavčević B., Malbaša V.: DIGITAL TECHNIQUES, DESIGN AND PRODUCTION IN ARCHITECTURAL EDUCATION, 10. INTED, Valencia, 7-9 Mart, 2016, pp. 6101-6108, ISBN 978-84-608-5617-7
17. Šiđanin P., Lazić M., Obradović R.: IMMERSIVE VIRTUAL REALITY COURSE AT THE DIGITAL PRODUCTION STUDIES, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG), Faculty of Civil Engineering, University of Belgrade, 23-26 Jun, 2016, pp. 245-249, ISBN 978-86-7466-614-2
18. Tepavčević B., Stavrić M., Wiltsche A., Stojaković V., Raković M.: Digital Fabrication Strategies in Design Education, 4. Between Computational Models and Performative Capacities, Novi Sad: Faculty of Technical Sciences, 19-20 Maj, 2016, pp. 139-144, ISBN ISBN - 978-86-7892-8

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Milošević D., Savić S., Bajšanski I.: Applications of automatic algorithms for improvement of outdoor thermal comfort in cities, 1. Urban Transitions Global Summit, Shanghai, 5-9 Septembar, 2016

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Tepavčević B., Stojaković V.: Proceedings of the 4th eCAADe International Regional Workshop, 4. Between Computational Models and Performative Capacities, Novi Sad: Faculty of Technical Sciences, 19-20 Maj, 2016, ISBN ISBN - 978-86-7892-8

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Bajšanski I., Stojaković V., Šiđanin P.: Prikaz uticaja klimatskih faktora na geometrijske forme urbanih blokova kroz dinamičke simulacije, Novi Sad, Departman za arhitekturu, 2016, str. 47-67, ISBN 978-86-7892-661-7

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Krklješ M., Nedučin D.: Public Spaces for Children in a Post-Socialist City, South East European Journal of Architecture and Design, 2016, No vol. 2016, pp. 1-5, ISSN 1857-9353

Spisak rezultata M53 - Rad u naučnom časopisu

1. Korolija-Crkvenjakov D., Santoši Ž., Budak I., Sladoje N., Stojaković V.: 3D Digitization as a Tool in the Conservation and Recreation of Cultural Heritage - a Case Study of The Iconostasis of a Destroyed Serbian Orthodox Church in Buda, Review of the National Center for Digitization, 2016, No 28, pp. 23-31, ISSN 1820-0109
2. Savić S., Milošević D., Arsenović D., Marković V., Bajšanski I., Šećerov I.: Urban climate issues in complex urbanized environments: a review of the literature for Novi Sad (Serbia), Acta Climatologica et Chorologica, 2016, Vol. 49, pp. 63-80, ISSN 0563-0614

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Santoši Ž., Korolija-Crkvenjakov D., Stojaković V., Obradović R., Budak I.: Model sistema za izbor metode 3D digitalizacije kod nepokretnog kulturnog nasleđa, 10. International Scientific Conference ETIKUM, Novi

Sad: Faculty of Technical Sciences Department of Production Engineering, 23-25 Jun, 2016, pp. 177-180, ISBN 978-86-7892-825-3

2. Stojaković V., Obradović R., Santoši Ž.: MODEL ZA KREIRANJE PLANA SNIMANJA ZA FOTOGRAMETRIJSKO MERENJE SFM PRISTUPOM, 10. International Scientific Conference ETIKUM, Novi Sad: FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF PRODUCTION ENGINEERING, 23-25 Jun, 2016, pp. 173-176, ISBN 978-86-7892-826-0

Spisak rezultata M71 - Odbranjena doktorska disertacija

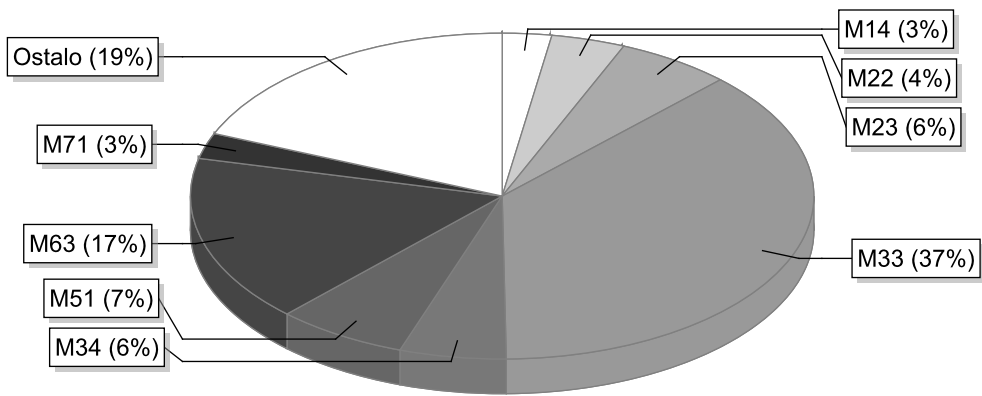
1. Bajšanski I.: Algoritam za poboljšanje termalnog komfora u urbanoj sredini, Novi Sad, Fakultet tehničkih nauka, 2016

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za industrijsko inženjerstvo i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	2
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	6
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	9
Rad u međunarodnom časopisu	M23	14
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	3
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	88
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	13
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Istaknuta monografija nacionalnog značaja	M41	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	3
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	4
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske	M48	1
Rad u vodećem časopisu nacionalnog značaja	M51	16
Rad u časopisu nacionalnog značaja	M52	5
Rad u naučnom časopisu	M53	4
Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M55	2
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	39
Odbranjena doktorska disertacija	M71	6
Bitno poboljšan postojeći proizvod ili tehnologija	M84	4
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1



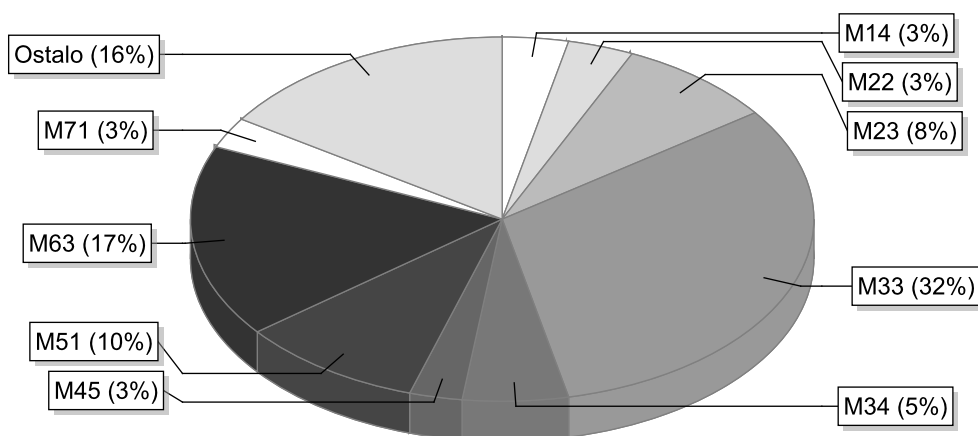


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za proizvodne sisteme, organizaciju i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	5
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	5
Rad u međunarodnom časopisu	M23	12
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	46
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	4
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske	M48	1
Rad u vodećem časopisu nacionalnog značaja	M51	14
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	2
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	25
Odbranjena doktorska disertacija	M71	4
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Borocki J., Đaković V., Bunčić S., Mitrović S.: Analysis of Innovation Factors at Joint Stock Companies on Emerging Markets Applying Strategic Planning Model, Vienna, DAAM International Vienna, Vienna 2016, Austria, 2016, str. 361-374, ISBN 978-3-902734-09-9
2. Katić (Drezgić) I.: Social psychological factors conditioned by organizational changes, u Zborniku The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad, 2016, str. 131-146, ISBN 978-86-7892-829-1
3. Kuzman B., Stegić M., Tasić N.: Stabilization and association agreement impact on corn seed trade between Serbia and EU, 152nd EAAE Seminar on Emerging Technologies and the Development of Agriculture, Thematic Proceedings, Novi Sad, Serbian Association of Agricultural Economists, Faculty of Economics Subotica, Institute of Agricultural Economics Belgrade, 2016, str. 179-192, ISBN 978-86-6269-052-4
4. Sandrin E., Forza C., Anišić Z., Suzić N., Grosso C., Aichner T., Trentin A.: "Shoe configurators: A comparative analysis of capabilities and benefits", chapter 9 in book "Mass Customized Manufacturing: Theoretical Concepts and Practical Approaches", CRC Press Taylor & Francis, Editor: Vladimir Modrak, 2016, str. 195-218, ISBN 9781498755450
5. Šovljanski S., Katić (Drezgić) I., Petrović T.: Personal identity as specific factor for development of career in social organization, The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad, Fakultet tehničkih nauka, 2016, str. 147-162, ISBN 978-86-7892-829-1

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Mladenović I., Sokolov-Mladenović S., Milovančević M., Marković D., Simeunović N.: Management and estimation of thermal comfort, carbon dioxide emission and economic growth by support vector machine, Renewable and Sustainable Energy Reviews, 2016, Vol. 64, pp. 466-476, ISSN 1364-0321

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Kuzmanović B.: THERMAL MANIKIN AND ITS STABILITY FOR ACCURATE AND REPEATABLE MEASUREMENTS, International Journal of Simulation Modelling, 2016, Vol. 15, No 4, ISSN 1726-4529
2. Stefanović D., Marjanović U., Delić M., Čulibrk D., Lalić B.: Assessing the success of e-government systems: An employee perspective, Information and Management, 2016, Vol. 53, No 6, pp. 717-726, ISSN 0378-7206
3. Tešić Z., Stevanov B., Jovanović V., Tomić M., Kafol C.: Period Batch Control - A Production Planning System Applied to Virtual Manufacturing Cells, International Journal of Simulation Modelling, 2016, Vol. 15, No 2, pp. 288-301, ISSN 1726-4529

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Katić A., Ćosić I., Kupusinac A., Vasiljević M., Stojić I.: Knowledge-Based Competitiveness Indices and Its Connection with Energy Indices, Thermal Science, 2016, Vol. 20, pp. 451-461, ISSN 0354-9836
2. Kiurski J., Marić B., Aksentijević S., Oros I., Kecić V.: Occupational hazards in printing industry, International Journal of Environmental Science and Technology, 2016, Vol. 13, No 3, pp. 955-972, ISSN 1735-1472, UDK: DOI 10.1007/s13762-016-0937-z
3. Marjanović U., Delić M., Lalić B.: Developing a model to assess the success of e-learning systems: evidence from a manufacturing company in transitional economy, Information Systems and e-Business Management, 2016, Vol. 14, No 2, pp. 253-272, ISSN 1617-9846, UDK: -
4. Miličić M., Gladović P., Bojanić R., Savković T., Stojić N.: Friction stir welding (FSW) process of copper alloys, Metalurgija, 2016, Vol. 55, No 1, pp. 107-110, ISSN 0543-5846, UDK: 621.791.057:531.4:669.3:620.18=111
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Spisak rezultata M23 - Rad u međunarodnom časopisu

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4. Nikolić S., Stanković J., Ćelić Đ.: Consumer preferences in a (distorted) mirror of time: What does identity have to do with it?, Novi Sad, University of Novi Sad, Faculty of Technical Sciences, 2016, str. 42-53, ISBN 978-86-7892-829-1, UDK: Proceedings: The transformation of social identity in crisis conditions and its impact on European integration

Spisak rezultata M48 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske

1. Lalić D., Vlastelica T.: Primeri dobre prakse odnosa s javnošću 2015. (Edicija "Tehničke nauke – udžbenici" ed.), Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, FTN izdavaštvo, 2016, ISBN 978-86-7892-833-8

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Anđelić G., Đaković V., Tot V.: Novi pravci razvoja robnih berzi kroz "prizmu" savremenih standarda, Poslovna ekonomija, 2016, Vol. 10, No 2, pp. 1-27, ISSN 1820-6859, UDK: 336.76
2. Anišić Z., Firstner (Fürstner) I., Nađ A., Medić N., Retfalvi A.: Improved 3D Printed Prototype of Wheel Hub as a Result of Student's Creative Work Through the Idealab Platform, Machine Design, 2016, Vol. 8, No 3, pp. 97-102, ISSN 1821-1259
3. Brkanlić S., Katić A., Raletić Jotanović S.: Ekološki aspekt uticaja uslužnog ambijenta na imidž visokoškolske ustanove, Ecologica, 2016, No 84, pp. 888-893, ISSN 0354-3285
4. Dimitrijević B., Đaković V., Anđelić G., Glišović N.: Sunspots and stock markets: some empirical evidence of their interdependence in transition countries, Poslovna ekonomija, 2016, Vol. 18, No 1, pp. 1-24, ISSN 1820-6859, UDK: 339.138
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8. Perović V., Osmanagić-Bedenik N., Bojanić R., Todorović-Dudić A.: Recent Situation of Controlling in Serbia and Comparison with its Implementation in Croatia, časopis „Revizor“, 2016, No 76/2016, pp. 39-48, ISSN 1450-7005, UDK: 657.6
9. Ratković Njegovan B., Stamenković S.: Business and corporate elites in Serbia, Megatrend revija - međunarodni časopis za primenjenu ekonomiju, 2016, Vol. 13, No 3, pp. 227-242, ISSN 1820-3159
10. Stojković V., Sremac S., Stojić G., Tepić G.: Tokovi povratne ambalaže u funkciji održivog razvoja, Ecologica, 2016, Vol. 23, No 84, pp. 784-789, ISSN 0354-3285
11. Tepić G., Simeunović N., Milisavljević S., Kupusinac A.: Hazards due to exposure to ionizing radiation, Ecologica, 2016, No 83, pp. 487-491, ISSN 0354-3285
12. Tepić G., Simeunović N., Milisavljević S., Tasić N.: Vehicle Tracking in the Process of Transport of Dangerous Goods GPS/GSM Technology, Computer Technology and Application, 2016, Vol. 7, No 3, pp. 123-128, ISSN 1934-7332
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14. Vukelić Đ., Tadić B., Šimunović G., Miljanić D., Lazarević M., Todorović P.: Comparative analysis of clamping element geometries and their impact on fixture-workpiece interface compliance, Machine Design, 2016, Vol. 8, No 4, pp. 121-128, ISSN 1821-1259

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1. Anišić Z.: Uređivanje specijalnog broja časopisa - International Journal of Industrial Engineering and Management, International Journal of Industrial Engineering and Management, 2016, Vol. 7, No 4, ISSN 2217-2661
2. Čirić D., Lalić B., Gračanin D.: Managing Innovation: Are Project Management Methods Enemies or Allies, International Journal of Industrial Engineering and Management, 2016, Vol. 7, No 1, pp. 31-41, ISSN 2217-2661
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Spisak rezultata M53 - Rad u naučnom časopisu

1. Beleslin (Šiđanin) I.: Praćenje medijskih sadržaja posredstvom tradicionalnih medija uz istovremenu



komunikaciju u virtuelnoj zajednici , Godišnjak fakulteta za kulturu i medije, 2016, No 8, pp. 179-192, ISSN 1821-0171

2. Lalić B., Delić M., Tasić N., Marjanović U., Bogojević B.: Key Competitiveness Factors of ISO Certified Organizations in Serbia, *Advanced Quality: international journal*, 2016, Vol. 44, No 4, pp. 29-32, ISSN 2217-8155

Spisak rezultata M61 - Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Šćepanović D., Marjanović U., Radišić J.: Digitalno i onlajn učenje u Srbiji: visoko obrazovanje, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 15-18, ISBN 978-86-7892-795-9

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Beleslin (Šiđanin) I., Ratković Njegovan B.: The crisis of society - the crisis of public media, 1. The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad: Faculty of Technical Sciences, 23 Jun, 2016, pp. 7-21, ISBN 978-86-7892-829-1
2. Bojanić R., Doroslovački R., Kovačević I., Katić V., Vilotić D., Kolaković S., Šešlija D., Konjović Z.: Analiza ocena sa studentske ankete i prolaznosti na ispitima na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 140-147, ISBN 978-87-7892-795-9
3. Bojanić R., Nikolić D., Konjović Z., Radumilo B., Milašinović Lj.: Problemi kod rangiranja svetskih univerziteta, kako izbeći ove zamke kod rangiranja u R. Srbij, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, ISBN 978-87-7892-795-9
4. Bokan B., Medvecki D., Nenadović M., Đuričić O., Dvizac D.: Uticaj novih trendova u komunikaciji na tržište visokog obrazovanja u Republici Srbiji, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka Univerziteta u Novom Sadu, 16-19 Februar, 2016, pp. 147-150, ISBN 978-86-7892-795-9
5. Cvijić M., Dudić Z., Borocki J.: Analysis of methods for measuring intellectual capital, 12. International May Conference on Strategic Management - Majska konferencija o strategijskom menadžmentu (MKSM), Bor, 28-30 Maj, 2016, pp. 447-459, ISBN 978-86-6305-042-6
6. Ćosić Đ., Popov S., Novaković T.: Primena geoinformatike pri mapiranju socijalne ranjivosti na poplave, 23. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže , 28-2 Februar, 2016, pp. 52-57, ISBN 978-86-85525-17-9
7. Đaković V., Anđelić G.: Reforma privrede Republike Srbije kao nužan uslov održivog rasta i razvoja, 7. Naučni skup Univerziteta Edukons, Sremska Kamenica: Univerzitet Edukons, Naučno-istraživački centar, 25 Maj, 2016, pp. 45-52, ISBN 978-86-87785-71-7, UDK: 338.1:330.34(497.11)
8. Ferenčak M., Radišić M., Dobromirov D., Kupusinac A.: Određivanje značaja posmatranih parametara prilikom podrške malih i srednjih preduzeća od strane javnih institucija, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka Univerziteta u Novom Sadu, 16-19 Februar, 2016, pp. 273-276, ISBN 978-86-7892-795-9
9. Ferenčak M., Radišić M., Dobromirov D., Šolaja M.: Inovativni modeli finansiranja malih i srednjih preduzeća u sektoru informaciono-komunikacionih tehnologija, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka Univerziteta u Novom Sadu, 16-19 Februar, 2016, pp. 269-272, ISBN 978-86-7892-795-9
10. Grubić-Nešić L., Mitrović S., Melović B., Nikolić D.: Samoprocena kompetencija zasnovanih na novim tehnologijama, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 285-291, ISBN 978 -86-7892-795 -9
11. Katić A., Katić (Drezgić) I., Šević D., Lalić B., Bogojević B.: Platforma za učenje na daljinu ellab u funkciji realizacije stručne studentske prakse na Fakultetu tehničkih nauka, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 261-264, ISBN 978-86-7892-795-9
12. Katić A., Katić (Drezgić) I., Tasić N., Lalić B., Ćosić I.: Realizacija stručne studentske prakse na departmanu za industrijsko inženjerstvo i menadžment, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 265-268, ISBN ISBN 978-86-7892-795
13. Kuzmanović B., Tešić Z.: Razvoj modela upravljanja lancima snabdevanja, Infoteh, Jahorina, 2016, Vol. 15, pp. 413-418, ISSN konferencija, 15. Infoteh-Jahorina, Jahorina: Infoteh-Jahorina, 16-18 Mart, 2016, pp. 413-418
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15. Lošonc (Losoncz) A., Ivanišević A., Novaković J.: Stakeholder-menadžment, univerzitet, ekološka senzitivnost, 22. Trendovi razvoja TREND, Zlatibor: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 180-184, ISBN 978-86-7892-795-9
16. Medojević M., Medojević M., Medić N., Lazarević M., Sremčev N.: Climate Consultant as a Tool to Determine and Achieve Thermal Comfort Conditions in Buildings: a Case Study for the City of Belgrade, 12. Regionalna konferencija Životna sredina ka Evropi, Beograd: Ambasadori održivog razvoja i životne sredine, 6 Jun, 2016, pp. 128-132, ISBN 978-86-89961-05-8
17. Medvecki D., Pokrajac T., Bokan B., Bojanić R., Simeunović N.: Analiza uticajnih faktora na donošenje odluke studenata o izboru vrste studija koju upisuju, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka- Novi Sad, 16-19 Februar, 2016, pp. 299-303, ISBN 978-86-7892-795-9
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19. Melović B., Đokaj A., Mitrović S.: City branding – Savremeni concept brend menadžmenta, 1. Jahorina Business forum, Jahorina: Ekonomski fakultet, Pale, Istocno Sarajevo, 24-26 Februar, 2016, pp. 293-301, ISBN 2303-8969
20. Muškinja J., Simeunović N., Delić M., Lalić B., Marjanović U.: UTICAJ SOCIO-DEMOGRAFSKIH KARAKTERISTIKA STUDENATA NA UPOTREBU WEB SAJTA I FACEBOOK GRUPE U TOKU PROCESA UPISA: FAKULTET TEHNIČKIH NAUKA, 22. Trendovi razvoja TREND, Zlatibor: Fakultet Tehničkih Nauka, 16-19 Februar, 2016, pp. 115-118, ISBN 978-86-7892-795-9
21. Nikolić Toljaga D., Ikonov N., Radošević M.: Reinženjering procesa primenom "short term" projekta, 20. Internacionalni simpozijum iz projektnog menadžmenta - YUPMA, Beograd: Fakultet organizacionih nauka, 19-20 Maj, 2016
22. Ratković Njegovan B.: Exodul creierelor ca variantă a migrației: cazul Republicii Serbia., 1. Hărți etnografice, migrații, schimbări de peisaj cultural, Arad: Editura Etnologică, 18-19 Jun, 2016, pp. 7-25, ISBN 978-973-8920-99-6
23. Reljić V., Ostojić G., Kukulj D., Tarjan L., Lazarević M.: Praćenje životnog ciklusa prehrambenih proizvoda, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2016, pp. 419-423, ISBN 978-99955-763-9-4
24. Vujičić D., Stanković J., Lalić D.: Platforme za učenje na daljinu: Odgovor na potrebe "Net generacije", 22. Trendovi razvoja TREND, Zlatibor: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 40-44, ISBN 978-86-7892-79
25. Žarković N., Mrkšić D.: Obeležja i izgledi razvoja osiguranja života u Srbiji; Zbornik radova "Naknada štete i osiguranje - savremeni izazovi", Udruženje za odštetno pravo, Institut za uporedno pravo i pravosudna Akademija, 19. Prouzrokovanje i naknada štete i osiguranje, Kopaonik, 22-25 Septembar, 2016, ISBN 978-86-6411-011-2

#### Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Čelić Đ.: Ključni faktori uspešnosti malih i srednjih preduzeća u uslovima tranzicije, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2016
2. Milić B.: Liderstvo i učeća organizacija, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2016
3. Sremčev N.: Razvoj konfiguratora složenih proizvoda primenom postupka grupisanja, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2016
4. Todić V.: HIBRIDNI MODEL UPRAVLJANJA TROŠKOVIMA ŽIVOTNOG CIKLUSA PROIZVODA, Novi Sad, 2016

#### Spisak rezultata M84 - Bitno poboljšan postojeći proizvod ili tehnologija

1. Sladojević S., Anderla A., Čulibrk D., Stefanović D., Lalić B., Mirković M., Arsenović M.: Sistem za detekciju pešaka uživo baziran na aproksimiranom HOG algoritmu, 2016

#### Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

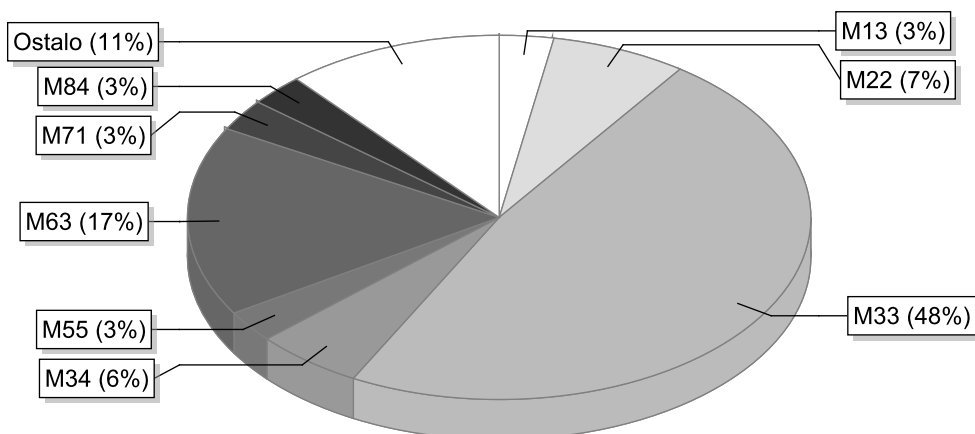
1. Vulanović S., Morača S., Kamberović B., Radlovački V., Beker I., Šević D., Milisavljević S., Delić M., Brkljač N.: ITC metoda procene rizika na radnom mestu i u radnoj okolini, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehatroniku, robotiku i automatizaciju

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	2
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	5
Rad u međunarodnom časopisu	M23	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	34
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M55	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	12
Odbranjena doktorska disertacija	M71	2
Bitno poboljšan postojeći proizvod ili tehnologija	M84	2
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Gnjatović M., Borovac B.: Toward Conscious-Like Conversational Agents, In: Socially Believable Behaving Systems – The Quest for Equipping Machines with Human-Level Automaton Intelligence, A. Esposito, L.C. Jain (eds.) Intelligent Systems Reference Library series, Invited chapter, Springer International Publishing Switzerland, 2016, str. 23-45, ISBN 978-3-319-31052-7
2. Vukobratović M., Borovac B., Raković M., Nikolić M.: Complex Systems: Relationships between Control, Communications and Computing, Chapter: How to Cope with Disturbances in Biped Locomotion?, Springer International Publishing, 2016, str. 285-312, ISBN 978-3-319-28860-4, UDK: 10.1007/978-3-319-28860-4\_13

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Tešić Z., Stevanov B., Jovanović V., Tomić M., Kafol C.: Period Batch Control - A Production Planning System Applied to Virtual Manufacturing Cells, International Journal of Simulation Modelling, 2016, Vol. 15, No 2, pp. 288-301, ISSN 1726-4529

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Borovac B., Raković M.: Instantaneous On-Line Modification Of Biped Walk Composed From Reconfigurable Adaptive Motion Primitives, Thermal Science, 2016, Vol. 20, No 2, pp. 513-523, ISSN 0354-9836, UDK: accepted for publication
2. Čavić M., Penčić M., Zlokolica M.: Adaptive Continuously Variable Transmission Used for Maintaining Stationary Regime of Driving Machine, Thermal Science, 2016, Vol. 20, No 2 (Suppl.), pp. 525-536, ISSN 0354-9836, UDK: 621, DOI: 10.2298/TSCI151004035C
3. Penčić M., Borovac B., Kovačević D., Čavić M.: Development of the Multi-Segment Lumbar Spine for Humanoid Robots, Thermal Science, 2016, Vol. 20, No 2 (Suppl.), pp. 581-590, ISSN 0354-9836, UDK: 621, DOI: 10.2298/TSCI151005040P
4. Savić S., Raković M., Borovac B., Nikolić M.: Hybrid Motion Control of Humanoid Robot for Leader-Follower Cooperative Tasks, Thermal Science, 2016, ISSN 0354-9836, UDK: DOI: 10.2298/TSCI151005037S
5. Tegeltija S., Lazarević M., Stankovski S., Ćosić I., Todorović V., Ostojić G.: Heating Circulation Pump Disassembly Process Improved with Augmented Reality, Thermal Science, 2016, Vol. 20, No 2, pp. 611-622, ISSN 0354-9836

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Šešlija D., Milenković I., Dudić S., Šulc J.: Improving Energy Efficiency in Compressed Air Systems - Practical Experiences, Thermal Science, 2016, Vol. 20, pp. 355-370, ISSN 0354-9836, UDK: 621

Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Šešlija D.: From Remote Laboratories to Cloud Manufacturing, 7. International Conference Life Cycle Engineering and Management - ICDQM, Prijedor: The Research Center of Dependability and Quality Management, 29-30 Jun, 2016, pp. 22-31, ISBN 978-86-86355-32-4

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bajčić B., Dudić S., Šulc J., Milenković I., Šešlija D., Reljić V.: Remote System for Measuring Geometric Tolerances: Roundness, 13. International Conference on Remote Engineering and Virtual Instrumentation - REV, Madrid: UNED Madrid, 24-26 Februar, 2016, pp. 279-280, ISBN 978-1-4673-8245-8
2. Batinić A., Raković M., Zarić M., Borovac B., Nikolić M.: Motion Planning of a Robot in Real-Time based on the General Model of Humanoid Robots, 14. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica: IEEE Xplore, 29-31 Avgust, 2016
3. Čavić M., Penčić M., Đoković J., Zlokolica M.: Comparative Analysis of the Loader Bucket Mechanisms, 48. INTERNATIONAL OCTOBER CONFERENCE on Mining and Metallurgy, Bor: Technical Faculty in Bor, Serbia, 28-1 Septembar, 2016, pp. 184-187, ISBN 978-86-6305-047-1
4. Čavić M., Penčić M., Đoković J., Zlokolica M.: Optimal Synthesis of the Loader Bucket Mechanism, 8. International Scientific and Expert Conference (TEAM), Trnava: Faculty of Materials Science and Technology in Trnava, Slovakia, 19-21 Oktobar, 2016, pp. 35-40, ISBN 978-80-8096-237-1
5. Čavić M., Penčić M., Rackov M., Knežević I., Zlokolica M.: Dynamic Analysis of the Thermoforming Machine Working Mechanism, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Faculty of Mechanical Engineering in East Sarajevo, B&H, 7-9 Decembar, 2016, pp. 177-184, ISBN 978-99976-623-7-8

6. Čavić M., Penčić M., Rackov M., Zlokolica M.: Dynamic Optimization of the Pulse Continuously Variable Transmission, 5. International Conference on Power Transmissions, Ohrid: Faculty of Mechanical Engineering in Skopje, Macedonia, 5-8 Oktobar, 2016, pp. 123-131, ISBN 978-608-4624-25-7
7. Čavić M., Penčić M., Zlokolica M.: Analysis of the Mechanism of Complex Structures with High Class Kinematic Group, 8. International Scientific and Expert Conference (TEAM), Trnava: Faculty of Materials Science and Technology in Trnava, Slovakia, 19-21 Oktobar, 2016, pp. 41-46, ISBN 978-80-8096-237-1
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9. Čavić M., Penčić M., Zlokolica M.: Torque Vectoring Differential, 20. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Mediterranean Cruise: Faculty of Mechanical Engineering in Zenica, B&H, 24-1 Septembar, 2016, pp. 253-256, ISBN ISSN 1840-4944
10. Erić Obučina J., Čajetinac S., Stankovski S., Ostojić G.: Modern Solutions Management Capacity Hydraulic Pumps Using Frequency Regulation, 13. International Conference on Systems, Automatic Control and Measurements SAUM, Niš: Faculty of Electronic Engineering, University of Niš, 9-11 Novembar, 2016, pp. 1-4
11. Jovanović M., Tasevski J., Tepavčević B., Raković M., Mitov D., Borovac B.: Fabrication of Digital Anamorphic Sculptures with Industrial Robot, 25. IEEE International Conference on Robotics in Alpe-Adria-Danube Region - RAAD, Beograd, 30-2 Jun, 2016
12. Jovanović V., Đurić A., Karanović V., Stevanov B.: Applications of Electro-Hydraulics Actuators, 29. IEEE SoutheastCon, Norfolk: IEEE, 30-3 Mart, 2016, pp. 1-5, ISBN 978-1-5090-2246-5
13. Kukolj S., Mastilović J., Kevrešan Ž., Ostojić G., Stankovski S.: Comparative analysis of apple quality monitoring methods in computer vision, 8. International Scientific and Expert Conference (TEAM), Trnava, 19-21 Oktobar, 2016, pp. 292-296, ISBN 978-80-8096-237-1
14. Obradović R., Vejnović T., Kekeljević I., Vejnović A., Višnjevac N., Raković M., Milatović S.: PRE PRODUCTION FOR DEVELOPMENT OF EDUCATIONAL 3D ANIMATION ACCORDING TO VEJNOVIC MODIFICATION OF THE CESAREAN SECTION TECHNIQUE, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG), Faculty of Civil Engineering, University of Belgrade, 23-26 Jun, 2016, pp. 338-350, ISBN 978-86-7466-614-2
15. Ostojić G., Stankovski S., Trivunović S., Kučević D., Xiaoshuan Z.: Implementation of Internet of Things for Animal Identification, Radovi poljoprivrednog fakulteta Univerziteta u Sarajevu, 2016, Vol. 66, No 2, pp. 145-152, ISSN 0033-8583, 7. Balkan conference on animal science balnimalcon, Sarajevo: Faculty of Agriculture and Food Sciences University of Sarajevo, 3-6 Jun, 2015, pp. 145-152, UDK: 63/66 (058)0808.1/2
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24. Rackov M., Knežević I., Kuzmanović S., Čavić M., Penčić M., Ianici S.: Proposal of Assessment Method of Different Quality Solutions of Universal Gear Reducers, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Faculty of Mechanical Engineering in East Sarajevo, 7-9 Decembar, 2016, pp. 301-308, ISBN 978-99976-623-7-8
25. Raković M., Beronja M., Batinica A., Borovac B., Nikolić M.: 3-axis Contact Force Fingertip Sensor based on a Hall effect Sensor, 25. IEEE International Conference on Robotics in Alpe-Adria-Danube Region - RAAD, Beograd, 30-2 Jun, 2016
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27. Reljić V., Bajči B., Šulc J., Šešlija D., Dudić S.: Remote control of pneumatic circular manipulator using CompactRIO controller, 6. Technics and Informatics in Education - TIE, Čačak: Faculty of Technical Sciences, Čačak, 28-29 Maj, 2016, pp. 385-390, ISBN 978-86-7776-192-9, UDK: 621.398:621.316]:004.738.5
28. Reljić V., Šešlija D., Šulc J., Bajči B., Dudić S., Milenković I.: Modular Construction of Circular Manipulator as a Test Bed for Testing Pneumatic Control, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of Technical Sciences, Novi Sad, Faculty of Engineering, Hunedoara, Faculty of Engineering, Szeged, 9-12 Jun, 2016, pp. 225-228, ISBN 978-86-7892-821-5
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30. Savić S., Raković M., Penčić M., Nikolić M., Dudić S., Borovac B.: Design of an Underactuated Adaptive Robotic Hand with Force Sensing, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN Society, 13-16 Jun, 2016
31. Srdaljčević V., Bajči B., Šešlija D., Šulc J., Reljić V., Dudić S., Milenković I.: Image Analysis as a Method of Quantifying the Effectiveness of Pneumatic Nozzles, 3. International Conference on Electrical, Electronic and Computing Engineering IcETRAN, Zlatibor: ETRAN Society, School of Electrical Engineering, 13-16 Jun, 2016, pp. 1-4, ISBN 978-86-7466-618-0
32. Šulc J., Reljić V., Bajči B., Šešlija D.: Design and Development of Experimental Setup for Analysis and Synthesis of Control Laws in Manipulator Contact with Environment, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Faculty of Mechanical Engineering, East Sarajevo, 7-9 Decembar, 2016, pp. 87-92, ISBN 978-99976-623-7-8
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Čavić M., Zlokolica M., Penčić M., Rackov M., Knežević I.: Optimal Synthesis of the Sower for the Precise Organic Agriculture, 1. The International Bioscience Conference and the 6th International PSU – UNS Bioscience Conference IBSC 2016, Novi Sad: Faculty of Sciences in Novi Sad, Serbia, 19-21 Septembar, 2016, pp. 280-281, ISBN 978-86-7031-364-4
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4. Kovačić I., Zuković M., Radomirović D., Benka P., Nikolić M.: Oscillations of trees caused by different types of excitation: an analysis of experimental results obtained by using a 3D motion capture system, 2. Annual Main Meeting of the Society for Experimental Biology - SEB, Brighton, 4-7 Jul, 2016

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Doroslovački R., Vilotić D., Katić V., Kovačević I., Šešlija D., Kolaković S., Konjović Z.: Efikasnost master studija na Fakultetu tehničkih nauka u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, Edicija Tehničke nauke - monografija, 2016, ISBN 978-86-7892-815-4

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Movrin D., Penčić M., Dudić S., Čavić M., Milutinović M., Vilotić D.: Experimental Investigation of Contact Conditions in Tube End Forming Process by Tapering, Journal for Technology of Plasticity, 2016, Vol. 41, No 2, pp. 45-53, ISSN 0354-3870, UDK: 621.7

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Beker I., Delić M., Milisavljević S., Gosnik D., Ostojić G., Stankovski S.: Can IoT be Used to Mitigate Food Supply Chain Risk? , International Journal of Industrial Engineering and Management, 2016, Vol. 7, No 1, pp. 43-48, ISSN 2217-2661

Spisak rezultata M53 - Rad u naučnom časopisu

1. Šulc J., Šešlija D., Dudić S., Milenković I.: Remote Laboratory for Measuring Linear Dimensions in the Process of E-Learning, International Journal of Online Engineering (iJOE), 2016, Vol. 12, No 4, ISSN 1861-2121

Spisak rezultata M55 - Uređivanje naučnog časopisa nacionalnog značaja (na godišnjem nivou)

1. Stankovski S.: International journal of industrial engineering and management
2. Stankovski S.: Journal of Mechatronic, Automation and Identification Technology

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bojanić R., Doroslovački R., Kovačević I., Katić V., Vilotić D., Kolaković S., Šešlija D., Konjović Z.: Analiza ocena sa studentske ankete i prolaznosti na ispitima na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 140-147, ISBN 978-87-7892-795-9
2. Cvetanovski M., Bjeljic P., Nićin M., Zečević I., Horvat S.: Security Aspects of Banking Kiosks in Serbia's Payment System, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 16-18 Mart, 2016, pp. 599-603, ISBN 978-99955-763-9
3. Doroslovački R., Vilotić D., Kovačević I., Katić V., Šešlija D., Kolaković S.: Značaj didaktičkih sredstava u kvalitetnom savremenom obrazovanju, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 19-20, ISBN 987-86-7892-795-9
4. Katić V., Kovačević I., Vilotić D., Doroslovački R., Kolaković S., Šešlija D., Konjović Z.: Efikasnost studiranja studijskih programa master studija Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 65-79, ISBN 987-86-7892-795-9
5. Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Šešlija D., Zivlak V.: U susret novom Zakonu o visokom obrazovanju i izmeni standarda za akreditaciju visokoškolskih ustanova i studijskih programa, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 188-192, ISBN 987-86-7892-795-9
6. Reljić V., Ostojić G., Kukulj D., Tarjan L., Lazarević M.: Praćenje životnog ciklusa prehrambenih proizvoda, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2016, pp. 419-423, ISBN 978-99955-763-9-4
7. Reljić V., Šešlija D., Dudić S., Milenković I., Šulc J., Bajčić B.: Upravljanje na daljinu pneumatskim kružnim manipulatorom, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, Novi Sad, 16-19 Februar, 2016, pp. 103-106, ISBN 978-86-7892-795-9
8. Stankovski S., Mihajlov S., Baranovski I., Oros D., Tarjan L.: Hvataljka za prenos malog tereta kod bespilotnih letelica, 15. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina:

Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 16-18 Mart, 2016, pp. 848-853, ISBN 978-99955-763-9-4

9. Šešlija D., Doroslovački R., Katić V., Vilotić D., Kovačević I., Kolaković S.: Razvoj udaljenih eksperimenata na inženjerskim studijskim programima, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 20-29, ISBN 987-86-7892-795-9
10. Tegeltija S., Tejić B., Đukić N., Ostojić G., Stankovski S.: Kodiranje podataka o plaćanju QR kodom, 15. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Istočno Sarajevo, Republika Srpska, 16-18 Mart, 2016, pp. 447-451, ISBN 978-99955-763-9
11. Tejić B., Đukić N., Tegeltija S., Ostojić G., Stankovski S.: Implementacija IoT merne stanice za primenu u preciznoj poljoprivredi, 15. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Istočno Sarajevo, Republika Srpska, 16-18 Mart, 2016, pp. 7-10, ISBN 978-99955-763-9
12. Vilotić D., Doroslovački R., Katić V., Kovačević I., Kolaković S., Šešlija D., Konjović Z.: Analiza efikasnosti studiranja na osnovnim akademskim studijama Fakulteta tehničkih nauka u Novom Sadu, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka u Novom Sadu, 16-19 Februar, 2016, pp. 57-65, ISBN 987-86-7892-795-9

#### Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Šenk I.: Model za lokalizaciju proizvoda primenom tehnologija Interneta stvari, 2016
2. Šulc J.: Povišenje energetske efikasnosti programabilnog pneumatskog manipulatora u kontaktnim zadacima, Novi Sad, Fakultet tehničkih nauka, 2016

#### Spisak rezultata M84 - Bitno poboljšan postojeći proizvod ili tehnologija

1. Đukić N., Tejić B., Tegeltija S., Ostojić G., Stankovski S., Šiposki A.: MERNI STANICA SA PODRŠKOM FIWARE TEHNOLOGIJE, 2016
2. Stankovski S., Tegeltija S., Ostojić G., Tejić B., Oros D., Milosavljević M.: Sistem za nadzor prisustnosti vozila na parking prostoru na bazi bežičnih senzorskih mreža, 2016

#### Spisak rezultata M92 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo

1. Kovač R., Tegeltija S., Ostojić G., Tarjan L., Stankovski S., Šenk I., Tejić B., Đukić N.: Sistem za zadavanje recepta zapisanog u obliku QR koda u memoriju mikrotalasne pećnice pomoću mobilnog telefona (Priznat patent broj 54810, po prijavi P-2012/0471 od 31.10.2012. Patent je upisan u registar patenata 02.08.2016. godine, i objavljen u Glasniku intelektualne svojine br. 5/2016 dana 31.10.2016.), Beograd, Republika Srbija, Zavod za intelektualnu svojinu, 2016

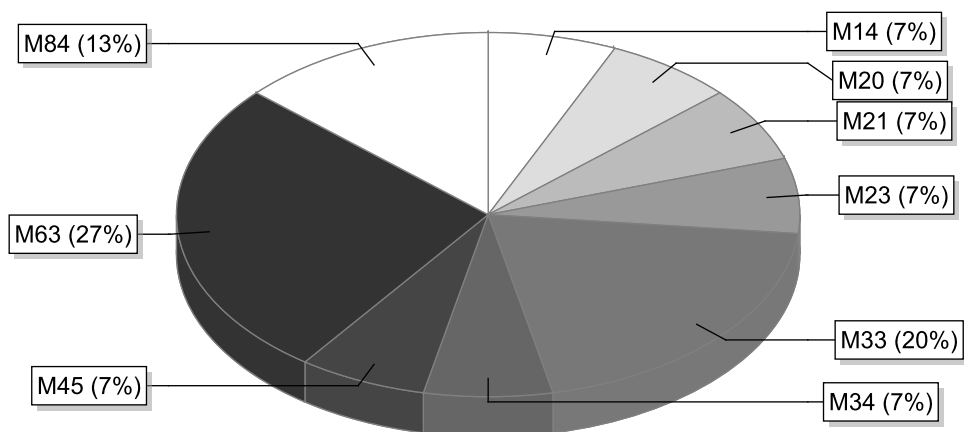


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informaciono-komunikacione sisteme

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Bitno poboljšan postojeći proizvod ili tehnologija	M84	2



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Čulibrk D.: Saliency and Attention for Video Quality Assessment, New York, Springer-Verlag New York, 2016, ISBN 978-1-4939-3433-1

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Brdar S., Gavrić K., Čulibrk D., Crnojević V.: Unveiling Spatial Epidemiology of HIV with Mobile Phone Data, Scientific Reports, 2016, Vol. 6, pp. 19342-19342, ISSN 2045-2322

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Stefanović D., Marjanović U., Delić M., Čulibrk D., Lalić B.: Assessing the success of e-government systems: An employee perspective, Information and Management, 2016, Vol. 53, No 6, pp. 717-726, ISSN 0378-7206

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Sladojević S., Arsenović M., Anderla A., Čulibrk D., Stefanović D.: Deep Neural Networks Based Recognition of Plant Diseases by Leaf Image Classification, Computational Intelligence and Neuroscience, 2016, Vol. 2016, pp. 1-11, ISSN 1687-5265

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Knežević B., Stefanović D., Knežević A., Lolić T.: THE CONTRIBUTION OF GAMIFICATION IN PROMOTION OF TOURISM DESTINATIONS, 12. International May Conference on Strategic Management - Majska konferencija o strategijskom menadžmentu (MKSM), Bor: University of Belgrade, Technical Faculty in Bor, Management Department, 28-30 Maj, 2016, pp. 383-392, ISBN 978-86-6305-042-6
2. Ristić S., Kordić (Aleksić) S., Čeliković M., Dimitrieski V., Luković I.: A Model-to-Model Transformation of a Generic Relational Database Schema into a Form Type Data Model, 6. Federated Conference on Computer Science and Information Systems, Gdansk: Polskie Towarzystwo Informatyczne Warszawa and IEEE New York City, 11-14 Septembar, 2016, pp. 1577-1580, ISBN 978-83-60910-92-7, UDK: <http://dx.doi.org/10.15439/2016F408>, ISSN 2300-5963,
3. Sladojević S., Arsenović M., Lončar-Turukalo T., Sladojević M., Čulibrk D.: Personalized USB Biosensor Module for Effective ECG Monitoring, 13. International Conference on Wearable, Micro and Nano Technologies for Personalized Health - pHealth, Herakleion, 29-31 Maj, 2016, pp. 201-206

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Antić B., Čulibrk D.: Means of Collaboration between HE Institutions and the Rapidly Growing IT Industry in Serbia, 1. BigSkyEarth Conference: Education in Big Data Era, Sorento: TD COST Action TD1403 Big Data Era in Sky and Earth Observation (BIG-SKY-EARTH), 24-25 Oktobar, 2016

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. Mitrović S., Grubić-Nešić L., Stefanović D., Subotić M.: Procena kompetencija značajnih za zapošljavanje mladih, Novi Sad, Univerzitet u Novom Sadu/Naučno društvo ekonomista Srbije, 2016, str. 19-26, ISBN 978-86-82923-14-5

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Andrić M., Arsenović M., Sladojević S., Stefanović D., Anderla A., Čulibrk D.: Web Application as a Support System for Records of Working Time, Monitoring Business Processes and Activities of Company Employees, 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016
2. Lalić B., Marjanović U., Tepić G., Bogojević B., Žunić I., Stefanović D.: E-učenje na FTN: presek stanja, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 28-31, ISBN 978-86-7892-795-9
3. Rojović G., Arsenović M., Sladojević S., Stefanović D., Anderla A., Čulibrk D.: One Approach to Design and Implementation of Law Office Information System, 15. Infoteh-Jahorina, Jahorina, 16-18 Mart, 2016
4. Stefanović M., Ristić S., Pržulj Đ., Vukmanović M.: Lehman-ovi zakoni evolucije softvera i Open Source Software, Infoteh, Jahorina, 2016, No 15, ISSN konferencija, 15. Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet, Univerzitet u Istočnom Sarajevu, 16-18 Mart, 2016, ISBN Elektrotehnički faku

Spisak rezultata M84 - Bitno poboljšan postojeći proizvod ili tehnologija

1. Sladojević S., Anderla A., Čulibrk D., Stefanović D., Lalić B., Mirković M., Arsenović M.: Sistem za detekciju pešaka uživo baziran na aproksimiranom HOG algoritmu, 2016
2. Sladojević S., Arsenović M., Anderla A., Čulibrk D., Stefanović D., Mirković M.: Aplikacija za automatsko

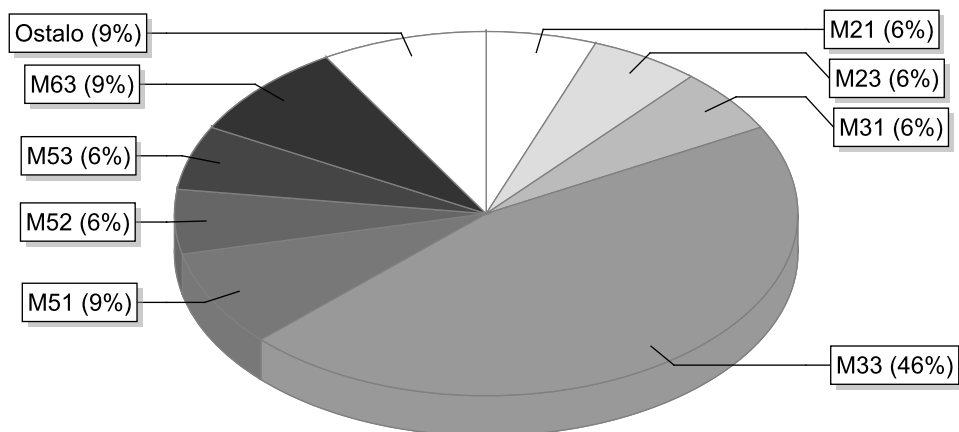
prepoznavanje bolesi lišća, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za kvalitet, efektivnost i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	2
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	16
Istaknuta monografija nacionalnog značaja	M41	1
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Radlovački V., Hadžistević M., Štrbac B., Delić M., Kamberović B.: Evaluating minimum zone flatness error using new method - bundle of plains through one point, *Precision Engineering: Journal of the International Societies for Precision Engineering and Nanotechnology*, 2016, Vol. 43, pp. 554-562, ISSN 0141-6359
2. Stefanović D., Marjanović U., Delić M., Čulibrk D., Lalić B.: Assessing the success of e-government systems: An employee perspective, *Information and Management*, 2016, Vol. 53, No 6, pp. 717-726, ISSN 0378-7206

### Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Marjanović U., Delić M., Lalić B.: Developing a model to assess the success of e-learning systems: evidence from a manufacturing company in transitional economy, *Information Systems and e-Business Management*, 2016, Vol. 14, No 2, pp. 253-272, ISSN 1617-9846, UDK: -

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Grubić-Nešić L., Mitrović S., Melovic B., Milisavljević S.: Differences between the state/public and private sectors in organizations in serbia regarding the functionality of managers' decision making, *Journal for East European Management Studies*, 2016, Vol. 21, No 1, pp. 82-102, ISSN 0949-6181, UDK: DOI 10.1688/JEEMS-2016
2. Kovačević I., Đelošević M., Tepić G., Milisavljević S.: Influential Parameters and Numerical Simulation of Heat Generated in the process of Friction Stir Welding, *Materials Science-Medziagotyra*, 2016, Vol. 22, No 3, ISSN 1392-1320

### Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Radaković N., Pantelić I., Kamberović B., Vulcanović S.: Ocena uspešnosti projekata izgradnje telekomunikacionih mreža sa studijom slučajeva/Performance Assessment of Telecommunication Networks Construction Projects with Case Studies, 19. Međunarodna DQM konferencija UPRAVLJANJE KVALITETOM I POUZDANOŠĆU, Prijedor: Istraživački centar DQM, Pošt. fah 132, Prijedor, 29-30 Jun, 2016, pp. 36-43, ISBN 978-86-86355-31-7
2. Vulcanović S., Kamberović B., Delić M., Radaković N.: SIMILARITIES AND DIFFERENCES BETWEEN RISKS AND OPPORTUNITIES IN QUALITY MANAGEMENT SYSTEM, 7. International Conference Life Cycle Engineering and Management - ICDQM, Prijedor: Research Center DQM, P.O. Box 132, 32102 Čačak, Serbia, 29-30 Jun, 2016, pp. 14-21, ISBN 978-86-86355-32-4

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Beker I., Šević D., Milisavljević S., Radlovački V., Delić M., Brkljač N.: Is Economy of Vojvodina ready for joining EU ?, 8. International Scientific and Expert Conference (TEAM), Trnava: Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, 19-21 Oktobar, 2016, pp. 355-360
2. Delić M., Milić B., Marjanović U., Vulcanović S., Šević D.: Fostering learning organisation through authentic leadership and employees' affective commitment, 19. QMOD-ICQSS International Conference on Quality and Service Sciences, Rim: Lund University Library Press, 21-23 Septembar, 2016, pp. 1127-1139, ISBN 978-91-7623-086-2
3. Jovanović M., Karanović V., Orošnjak M., Nikolić N., Knežević D.: Lubricating oils for modern automatic transmission of motor vehicles, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: University of East Sarajevo, Faculty of Mechanical Engineering - East Sarajevo, 7-9 Decembar, 2016, pp. 451-456, ISBN 978-99976-623-7
4. Jovanović V., Đurić A., Karanović V., Stevanov B.: Applications of Electro-Hydraulics Actuators, 29. IEEE SoutheastCon, Norfolk: IEEE, 30-3 Mart, 2016, pp. 1-5, ISBN 978-1-5090-2246-5
5. Lalić B., Delić M., Tasić N., Marjanović U., Cvetković N., Muškinja J.: Company size and employee training: Case of Vojvodina Manufacturing Industry , 8. International Scientific and Expert Conference (TEAM), Trnava, 19-21 Oktobar, 2016, pp. 350-354, ISBN 978 – 80 – 8096 – 23
6. Lalić B., Medić N., Delić M., Tasić N., Marjanović U.: Open Innovation Potential for AP Vojvodina Manufacturing Sector Improvement, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2016, pp. 147-150, ISBN 978-86-7892-84-44
7. Lalić B., Tasić N., Delić M., Katić A., Katić (Drezgić) I., Bogojević B.: Customized approach in organizing student internships at DIEM-FTS, 7. International Conference on Mass Customization and Personalization in

Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences, 21-23 Septembar, 2016, pp. 141-146, ISBN 978-86-7892-84-44

8. Lalić B., Tasić N., Marjanović U., Delić M., Cvetković N.: Inter-organizational Collaboration for Innovation in Manufacturing Firms, 27. DAAAM International Symposium on Intelligent Manufacturing and Automation, Mostar, 26-29 Oktobar, 2016, pp. 721-729, ISBN 978-3-902734-08-2
9. Lošonc (Losoncz) A., Mitrović S., Milisavljević S., Đaković I.: The company as a repository of ecological knowledge on sustainable development, 1. The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad: University of Novi Sad Faculty of technical sciences, 23 Jun, 2016, pp. 89-101, ISBN 978-86-7892-829-1
10. Medojević M., Medojević M., Petrović J., Delić M.: Energy Consumption Indicators of Public Facilities in AP Vojvodina With Focus on Human Factor and Factors Influencing Energy-Saving Behavior of Employees, 6. ASHRAE International Conference on Energy Research and Development, Kuwait: ASHRAE, 14-16 Mart, 2016, pp. 17-25, ISBN 978-1-939200-22-8
11. Nikolić N., Dorić J., Jocanović M.: A computer program for the visualization of IC engine crankshaft main bearings load, 9. The 9th International Symposium - KOD 2016 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: Faculty of technical sciences, 9-12 Jun, 2016, pp. 89-92, ISBN 978-86-7892-821-5, UDK: 658.512.2
12. Orošnjak M., Jocanović M., Karanović V.: Quality Analysis of Hydraulic Systems in Function of Reliability Theory, 27. DAAAM International Symposium on Intelligent Manufacturing and Automation, Mostar: Danube Adria Association for Automation and Manufacturing, DAAAM, 26-29 Oktobar, 2016, pp. 569-577, ISBN 17269679, UDK: DOI: 10.2507/27th.daaam.proceedings.084
13. Orošnjak M., Jocanović M., Karanović V.: Simulating the effects that contamination has on a hydraulic system performance using MATLAB/SimHydraulics, 3. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina, 7-9 Decembar, 2016, pp. 457-464, ISBN 978-99976-623-7-8
14. Orošnjak M.: Conceptual model of contributive factors important in mass customization application: Theoretical viewpoint, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Fakultet Tehničkih Nauka, 21-23 Septembar, 2016, pp. 189-196, ISBN 978-86-7892-84-44
15. Vekić A., Orošnjak M., Ćosić M.: Use of banking machines in the payment system of the Republic of Serbia as a personalization model for banking services, 7. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Fakultet Tehničkih Nauka, 21-23 Septembar, 2016, pp. 236-244, ISBN 978-86-7892-84-44
16. Vulcanović S., Delić M., Radlovački V., Kamberović B., Beker I.: Risk based design of integrated management systems, 19. QMOD-ICQSS International Conference on Quality and Service Sciences, Rim: Lund University Library Press, 21-23 Septembar, 2016, pp. 1491-1506, ISBN 978-91-7623-086-2

#### Spisak rezultata M41 - Istaknuta monografija nacionalnog značaja

1. Vulcanović S.: PROJEKTOVANJE INTEGRISANOG SISTEMA MENADŽMENTA NA OSNOVU RIZIKA, Novi Sad, Fakultet tehničkih nauka u Novom Sadu, 2016, ISBN 978-86-7892-846-8

#### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Knežević D., Laloš S., Jocanović M., Karanović V.: Effect of Bulk Modulus of Fluid on the Dynamic Behavior of the Hydraulic System, Annals of Faculty Engineering Hunedoara - International Journal of Engineering, 2016, Vol. 14, No 1, pp. 243-246, ISSN 1584-2665
2. Tepić G., Simeunović N., Milisavljević S., Kupusinac A.: Hazards due to exposure to ionizing radiation, Ecologica, 2016, No 83, pp. 487-491, ISSN 0354-3285
3. Tepić G., Simeunović N., Milisavljević S., Tasić N.: Vehicle Tracking in the Process of Transport of Dangerous Goods GPS/GSM Technology, Computer Technology and Application, 2016, Vol. 7, No 3, pp. 123-128, ISSN 1934-7332

#### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Beker I., Delić M., Milisavljević S., Gosnik D., Ostojić G., Stankovski S.: Can IoT be Used to Mitigate Food Supply Chain Risk? , International Journal of Industrial Engineering and Management, 2016, Vol. 7, No 1, pp. 43-48, ISSN 2217-2661
2. Štrbac B., Radlovački V., Ačko B., Spasić Jokić V., Župunski Lj., Hadžistević M.: THE USE OF MONTE CARLO SIMULATION IN EVALUATING THE UNCERTAINTY OF FLATNESS MEASUREMENT ON A CMM, Journal of Production Engineering, 2016, Vol. 19, No 2, pp. 69-72, ISSN 1821-4932

Spisak rezultata M53 - Rad u naučnom časopisu

1. Lalić B., Delić M., Tasić N., Marjanović U., Bogojević B.: Key Competitiveness Factors of ISO Certified Organizations in Serbia, *Advanced Quality: international journal*, 2016, Vol. 44, No 4, pp. 29-32, ISSN 2217-8155
2. Šević D., Delić M., Brkljač N., Vulcanović S.: Environmental management system as the basis of integrated management system - possibility, advantage or necessity, *Advanced Quality: international journal*, 2016, Vol. 44, No 4, pp. 49-52, ISSN 2217-8155, UDK: 658.5

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Katić A., Katić (Drezgić) I., Šević D., Lalić B., Bogojević B.: Platforma za učenje na daljinu ellab u funkciji realizacije stručne studentske prakse na Fakultetu tehničkih nauka, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 261-264, ISBN 978-86-7892-795-9
2. Muškinja J., Simeunović N., Delić M., Lalić B., Marjanović U.: UTICAJ SOCIO-DEMOGRAFSKIH KARAKTERISTIKA STUDENATA NA UPOTREBU WEB SAJTA I FACEBOOK GRUPE U TOKU PROCESA UPISA: FAKULTET TEHNIČKIH NAUKA, 22. Trendovi razvoja TREND, Zlatibor: Fakultet Tehničkih Nauka, 16-19 Februar, 2016, pp. 115-118, ISBN 978-86-7892-795-9
3. Štrbac B., Župunski Lj., Radlovački V., Ačko B., Spasić Jokić V., Hadžistević M.: Procena merne nesigurnosti pri merenju ravnosti na KMM primenom Monte Karlo simulacije, 10. International Scientific Conference ETIKUM, Novi Sad: Fakultet tehničkih nauka, 23-25 Jun, 2016, pp. 45-48, ISBN 978-86-7892-825-3

Spisak rezultata M85 - Prototip, nova metoda, softver, standardizovan ili atestiran instrument,

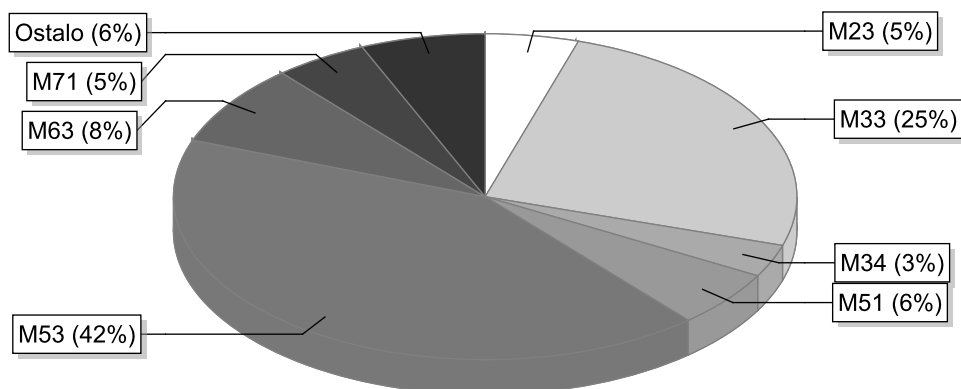
1. Vulcanović S., Morača S., Kamberović B., Radlovački V., Beker I., Šević D., Milisavljević S., Delić M., Brkljač N.: ITC metoda procene rizika na radnom mestu i u radnoj okolini, 2016

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	6
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	31
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Rad u vodećem časopisu nacionalnog značaja	M51	7
Rad u naučnom časopisu	M53	52
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	10
Odbranjena doktorska disertacija	M71	6



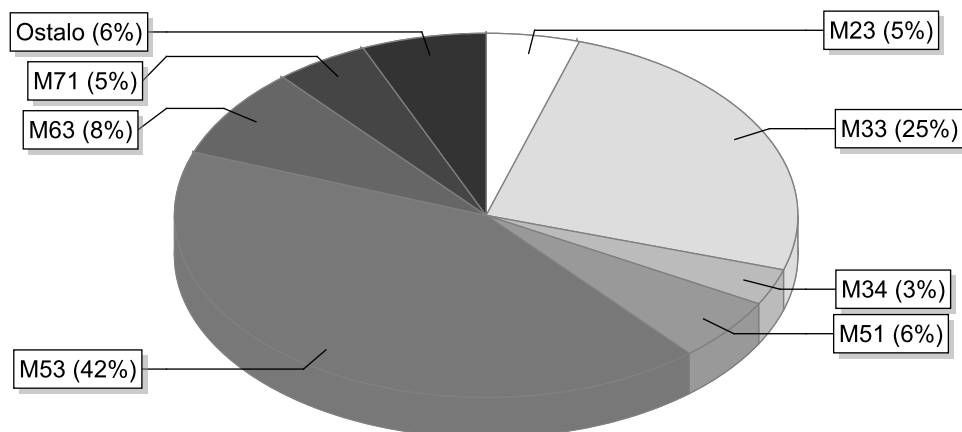


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	1
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	6
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	31
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Rad u vodećem časopisu nacionalnog značaja	M51	7
Rad u naučnom časopisu	M53	52
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	10
Odbranjena doktorska disertacija	M71	6



## PRODUKCIJA - REZULTATI

Spisak rezultata M13 - Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja

1. Kiurski J., Oros I., Kecić V.: Print and Related Industry Air Quality, Chapter 23 in inComprehensive Analytical Chemistry Vol. 73 TheQuality of Air, Amsterdam, Elsevier, 2016, str. 623-654, ISBN 978-0-444-6360

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Maravić M., Dimovski V.: Analiza industrije video-igara u Srbiji: ka novim zvanjima i obrazovnim profilima, Novi Sad, Univerzitet u Novom Sadu Filozofski fakultet, 2016, str. 119-130, ISBN 978-86-6065-354-5, UDK: 004:316.77

Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Kiurski J., Oros I., Kecić V., Kovačević I., Aksentijević S.: The temporal variation of indoor pollutants in photocopying shop, Stochastic Environmental Research and Risk Assessment, 2016, Vol. 30, pp. 1289-1300, ISSN 1436-3240, UDK: DOI 10.1007/s00477-015-1107-4

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Adamović (Majkić) S., Prica M., Dalmacija B., Rapajić S., Novaković D., Pavlović Ž., Maletić S.: Feasibility of electrocoagulation/flotation treatment of waste offset printing developer based on the response surface analysis, Arabian Journal of Chemistry, 2016, Vol. 9, No 1, pp. 152-162, ISSN 1878-5352, UDK: DOI: <http://dx.doi.org/10.1016/j.arabj.c.2015.03.018>
2. Kiurski J., Aksentijević S., Oros I., Kecić V., Kovačević I.: Multiple Regression Analysis as Indicator of Hazardous Organic Pollutants Interdependency in Pad Press Indoor Air, CLEAN - Soil Air Water, 2016, Vol. 44, No 12, pp. 1605-1613, ISSN 1863-0650, UDK: DOI: 10.1002/clen.201400473

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Kiurski J., Marić B., Aksentijević S., Oros I., Kecić V.: Occupational hazards in printing industry, International Journal of Environmental Science and Technology, 2016, Vol. 13, No 3, pp. 955-972, ISSN 1735-1472, UDK: DOI 10.1007/s13762-016-0937-z

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Jurič (Rilovski) I., Karlović I., Novaković D., Tomić I.: Comparative study of different methods for the assessment of print mottle, Color Research and Application, 2016, Vol. 41, No 5, pp. 493-499, ISSN 0361-2317
2. Jurič (Rilovski) I., Nedeljković U., Novaković D., Pinčjer I.: Visual experience of noise in digital images, Tehnicki vjesnik - Technical Gazette, 2016, Vol. 23, No 5, pp. 1463-1467, ISSN 1330-3651
3. Kiurski J., Snežana A., Nedović Lj., Oros I., Čomić L.: The influence of printing microclimate parameters on isopropyl alcohol emission, Environmental Engineering and Management Journal, 2016, Vol. 15, No 8, pp. 1705-1711, ISSN 1582-9596
4. Pinčjer I., Novaković D., Nedeljković U., Kašiković N., Vladić G.: Impact of Reproduction Size and Halftoning Method on Print Quality Perception, Acta Polytechnica Hungarica, Journal of Applied Sciences, 2016, Vol. 13, No 3, pp. 81-100, ISSN 1785-8860
5. Puškarević I., Nedeljković U., Dimovski V., Možina K.: An eye tracking study of attention to print advertisements: Effects of typeface figuration, Journal of Eye Movement, 2016, Vol. 9, No 5, pp. 1-18, ISSN 1995-8692
6. Stančić M., Ružičić B., Kašiković N., Grujić D., Novaković D., Milošević R.: Washing treatment impact on print quality of screen printed knitted fabrics, Revista Materia, 2016, Vol. 21, No 3, pp. 817-826, ISSN 1517-7076

Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Kerkez Đ., Bečelić-Tomin M., Dalmacija B., Tomašević Pilipović D., Prica M., Leovac Mačerak A., Slijepčević N.: Treatment of pyrite cinder sludge after usage in dye degradation – Feasibility study, Zaštita materijala, 2016, No 3, pp. 439-448, ISSN 0351-9465

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Adamović (Majkić) S., Prica M., Kerkez Đ., Maletić S., Beljin J., Velimirović M.: The characterization of waste offset developer sludge treated by solidification/stabilization, 8. International Symposium on Graphic Engineering and Design, GRID, Novi Sad, 3-4 Novembar, 2016, pp. 165-168, ISBN 978-86-78928-67-3

2. Adamović (Majkić) S., Prica M., Kerkez Đ., Tričković J., Maletić S., Adamović D., Velimirović M.: The immobilization of copper from waste printing developer sludge, 22. International Symposium on Analytical and Environmental Problems, Segedin: SZAB Kémiai Szakbizottság Analitikai és Környezetvédelmi Munkabizottsága, Szeged, 10 Oktobar, 2016, pp. 270-273, ISBN 978-963-306-507-5
3. Adamović D., Radonić (Jakšić) J., Turk Sekulić M., Adamović (Majkić) S., Vojinović-Miloradov M.: VOC in municipal waste landfill, 7. ISWA World Congress, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department of Environmental Engineering, Serbian Solid Waste Association, 19-21 Septembar, 2016, pp. 1651-1657, ISBN 978-86-7892-837-6
4. Adamović D., Vojinović-Miloradov M., Adamović (Majkić) S., Radonić (Jakšić) J., Turk Sekulić M., Obrovski B.: Exposure to formaldehyde in anatomy laboratory, 11. Savjetovanje hemičara i tehnologija Republike Srpske, Teslić: University in Banjaluka, Faculty of Technology, 18-19 Novembar, 2016, pp. 611-617, ISBN 978-99938-54-67-8
5. Adamović D., Vojinović-Miloradov M., Adamović (Majkić) S., Radonić (Jakšić) J., Turk Sekulić M., Pap S., Obrovski B.: Cancer risk assessment of anatomy laboratory workers, 22. International Symposium on Analytical and Environmental Problems, Segedin: SZAB Kémiai Szakbizottság Analitikai és Környezetvédelmi Munkabizottsága, Szeged, 10 Oktobar, 2016, pp. 62-65, ISBN 978-963-306-507-5
6. Banjanin B., Vreća N., Vasić J.: Readability of text set up with uniwidth typeface of different font weights, 8. International Symposium on Graphic Engineering and Design, GRID, Novi Sad: University of Novi Sad, Faculty of technical sciences, Department of graphic engineering and design, 3-4 Novembar, 2016, pp. 369-373, ISBN 978-86-78928-67-3
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Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Adamović (Majkić) S., Prica M., Velimirović M., Pavlović Ž., Tričković J., Maletić S.: Solidifikaciono/stabilizacioni tretman otpadnih procesnih ofset boja, 10. International Scientific Conference ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, Novi Sad, 23-25 Jun, 2016, pp. 141-144, ISBN 978-86-7892-825-3
2. Đuričić M., Kiurski J., Aksentijević S., Kecić V.: USPEŠNOM MEĐUNARODNOM SARADNJOM DO UNAPREĐENJA STUDIJA TURIZMA U SRBIJI, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 16-19 Februar, 2016, pp. 164-167, ISBN 978-86-7892-795-9
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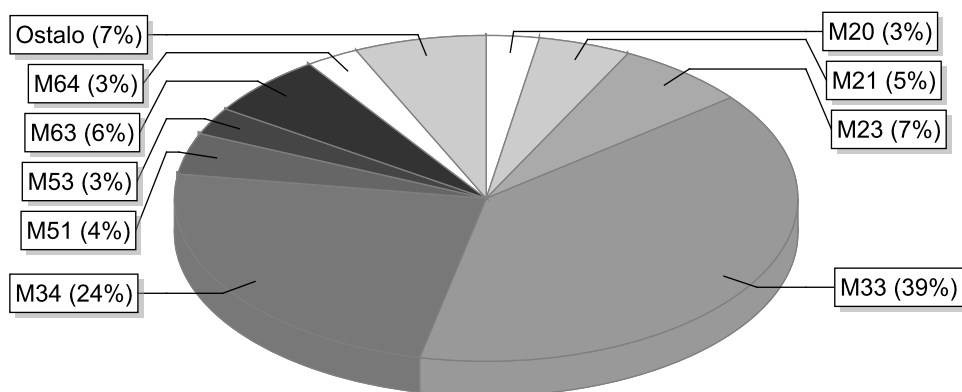
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2. Milić N.: Model optimizacije slike za korisnike sa poremećajima viđenja boja, Novi Sad, Fakultet tehničkih nauka, 2016
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	4
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	10
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	57
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	35
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	4
Odbranjena doktorska disertacija	M71	1

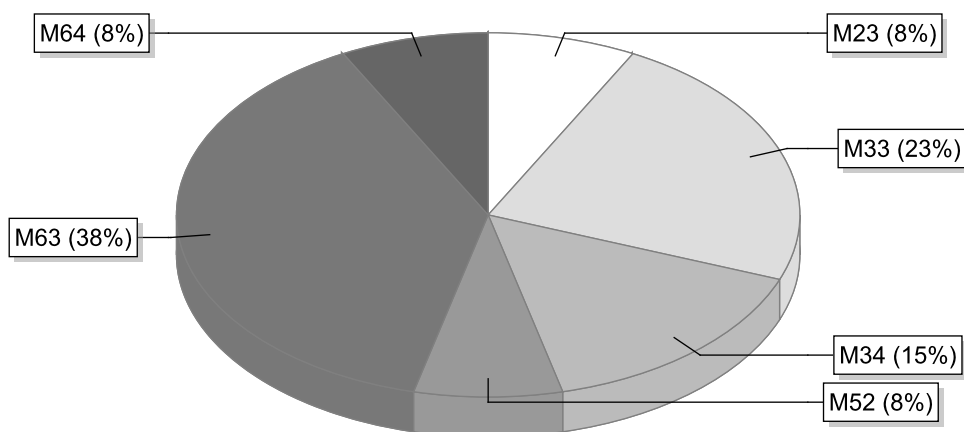


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo biosistema

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



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### Spisak rezultata M23 - Rad u međunarodnom časopisu

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### Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

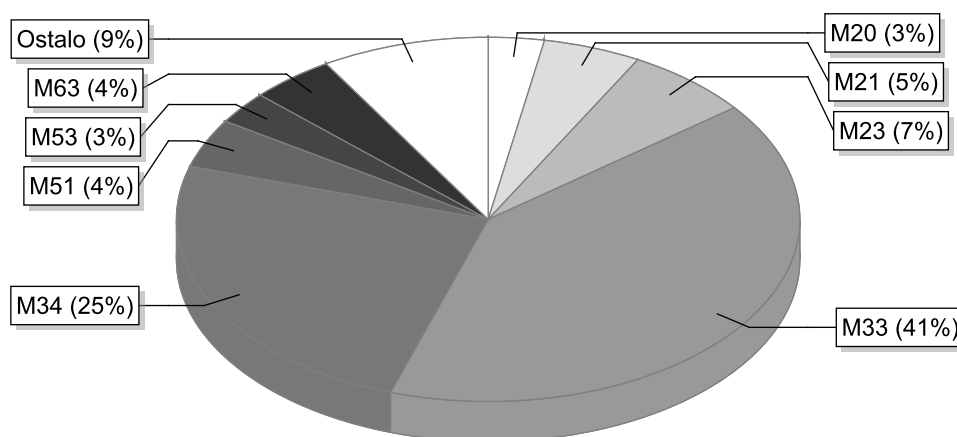
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	4
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	9
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	56
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	34
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	3
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

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#### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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2. Nakomčić-Smaragdakis B., Čepić Z.: Energetski potencijal i značaj korišćenja biomase iz šumarstva, voćarske i vinogradarske proizvodnje u AP Vojvodini, 10. Naučna konferencija sa međunarodnim učešćem (ETIKUM), Novi Sad: Fakultet tehničkih nauka - Novi Sad, 23-25 Jun, 2016, pp. 137-140, ISBN 978-86-7892-826-0
3. Novaković M., Mihajlović I., Đogo M., Bežanović V., Vojinović-Miloradov M.: Separacija antiinflamatornog leka – naproksena iz vodenog rastvora primenom aktivnog uglja, 10. International Scientific Conference ETIKUM, Novi Sad, 23-25 Jun, 2016, pp. 149-152, ISBN 978-86-7892-826-0
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Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

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3. Sremački M., Bondžić (Simić) J., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M.: Meat processing industry wastewater – screening analysis, 53. Savetovanje Srpskog hemijskog društva, Kragujevac: Srpsko hemijsko društvo, 10-11 Jun, 2016, pp. 60-60, ISBN 978-86-7132-061-0

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Mihajlović V.: Razvoj modela upravljanja otpadom zasnovan na principima smanjenja negativnog uticaja na životnu sredinu i ekonomske održivosti, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2016

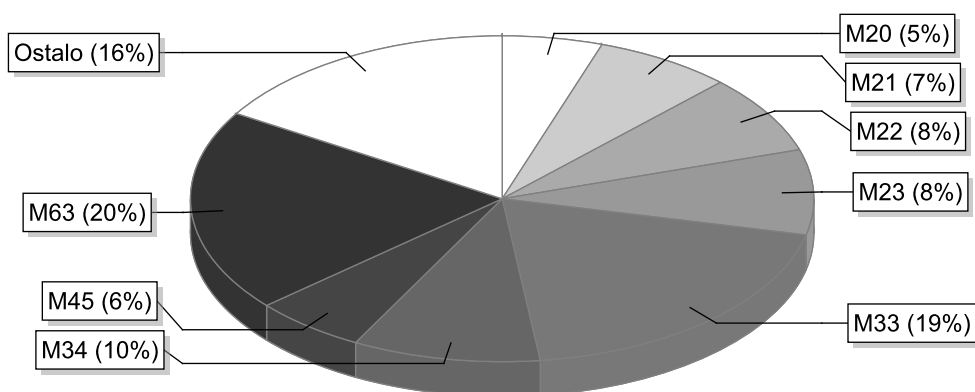


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za opšte discipline u tehnici

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	8
Rad u vrhunskom međunarodnom časopisu	M21	11
Rad u istaknutom međunarodnom časopisu	M22	12
Rad u međunarodnom časopisu	M23	13
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	30
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	15
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	2
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	3
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	9
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja	M49	1
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	31
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Odbranjena doktorska disertacija	M71	4



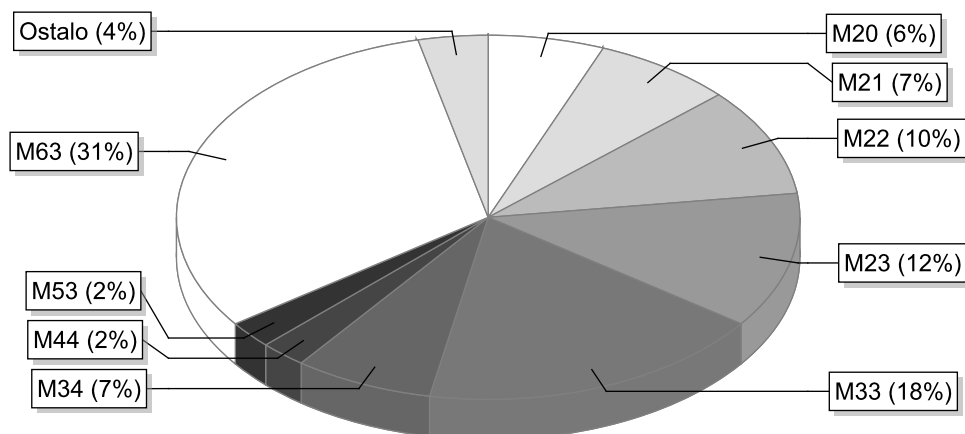


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za matematiku

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	5
Rad u vrhunskom međunarodnom časopisu	M21	6
Rad u istaknutom međunarodnom časopisu	M22	8
Rad u međunarodnom časopisu	M23	10
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	26
Obranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

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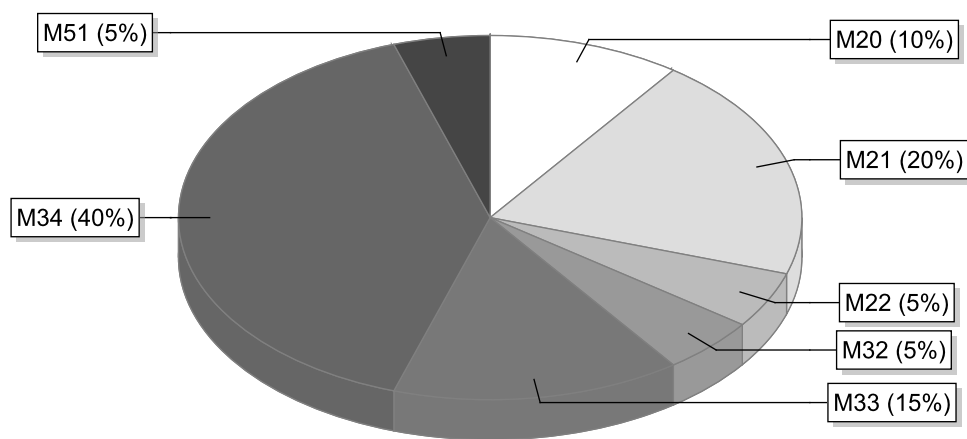
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Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Rad u vodećem časopisu nacionalnog značaja	M51	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

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2. Mihailović A., Lakatoš R., Budinski-Petković Lj., Ninkov J., Milić S., Popov S., Vučinić-Vasić M.: Copper, lead and zinc content in surface soil collected from urban area of Novi Sad, Serbia, 1. EUROSIL, Istanbul, 16-21 Oktobar, 2016
3. Nikolov J., Petrović Pantić T., Krajcar Bronić I., Todorović (Žikić) N., Barešić J., Marković T., Bikit K., Tomić M., Stojković (Jakonić) I., Tenjović B.: Isotopes <sup>3</sup>H, <sup>δ</sup>2H and <sup>δ</sup>18O in groundwaters from Vojvodina region, 4. International Conference on Radiation and Applications in Various Fields of Research, Niš, 23-27 Maj, 2016, ISBN 978-86-6125-160-3
4. Nikolov J., Todorović (Žikić) N., Stojković (Jakonić) I., Lazor A., Tomić M., Simikić M., Micić R., Forkapić S.: Determination of biogenic fraction on liquid fuels by <sup>14</sup>C LSC direct method, 5. Terrestrial Radioisotopes in Environment, International Conference on Environmental Protection, Veszprem, 17-20 Maj, 2016
5. Stojković (Jakonić) I., Nikolov J., Todorović (Žikić) N.: PSA discriminator influence on <sup>222</sup>Rn efficiency detection in waters by liquid scintillation counting, 4. International Conference on Radiation and Applications



in Various Fields of Research, Niš, 23-27 Maj, 2016, ISBN 978-86-6125-160-3

6. Stojković (Jakonić) I., Tenjović B., Todorović (Žikić) N., Nikolov J., Beljin J., Pajić M., Krmar M.: Possibilities and limitations of rapid Sr-90 screening test in milk samples, 5. Terrestrial Radioisotopes in Environment, International Conference on Environmental Protection, Veszprem, 17-20 Maj, 2016
7. Tenjović B., Todorović (Žikić) N., Nikolov J., Stojković (Jakonić) I., Beljin J.: Determination of <sup>90</sup>Sr via Cherenkov radiation on Quantulus 1220 liquid scintillation counter after microwave digestion preparation of milk samples, 4. International Conference on Radiation and Applications in Various Fields of Research, Niš, 23-27 Maj, 2016, ISBN 978-86-6125-160-3
8. Todorović (Žikić) N., Grahek Ž., Sarap N., Stojković (Jakonić) I., Nikolov J., Coha I., Janković M.: Different methods for <sup>90</sup>Sr determination in water , 4. International Conference on Radiation and Applications in Various Fields of Research, Niš, 23-27 Maj, 2016, ISBN 978-86-6125-160-3

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

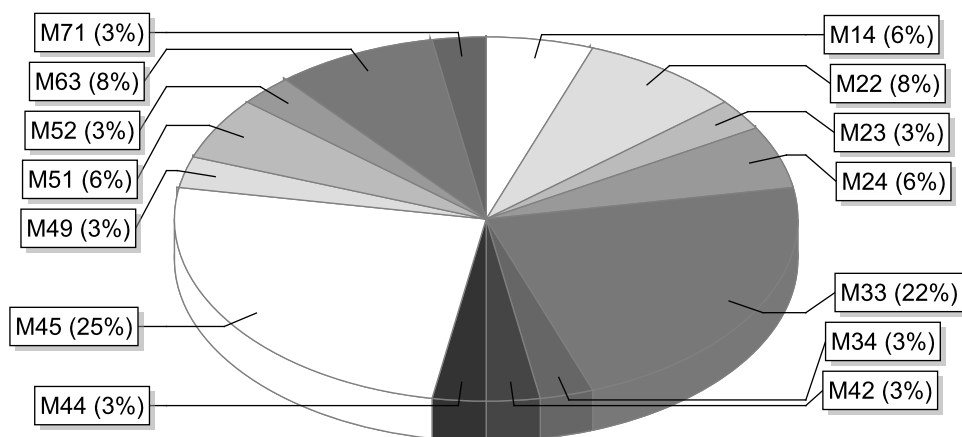
1. Janković M., Todorović (Žikić) N., Stojković (Jakonić) I., Sarap N., Todorović D.: Sadržaj tricijuma u padavinama u Beogradu, *Ecologica*, 2016, No 81, pp. 19-22, ISSN 0354-3285

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za društvene nauke

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	9
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja	M49	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M14 - Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja

1. Bogdanović V.: Kulturološka komponenta primene nove metode učenja u nastavi stranog jezika struke. Susret kultura (ur. Živančević Sekeruš i dr.), Novi Sad, Filozofski fakultet, Univerzitet u Novom Sadu, 2016, str. 55-70, ISBN 978-86-6065-391-0, UDK: 371.3::81'243
2. Mirović I., Bogdanović V.: Use of metadiscourse in research articles written in L1 and L2 by the same authors. Recherches en ecritures: regards pluriels (Sylvie Plane et al., eds), Metz, Crem, Universite de Lorraine, 2016, str. 435-456, ISBN 978-2-909-498-29-4

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Lošonc (Losoncz) A.: Conceptualizing Capitalism: Institutions, Evolution, Future, Panoeconomicus, Panoeconomicus, 2016, Vol. 63, No 1, pp. 147-155, ISSN 1452-595X, UDK: Vol. 63, Issue 1, pp. 147-155
2. Lošonc (Losoncz) A.: Global Inequality: A New Approach for, the Age of Globalization PANOECOMICUS, 2016, Vol. 63, Issue 4, pp. 493-501, Panoeconomicus, 2016, Vol. 63, No 4, pp. 493-501, ISSN 1452-595X
3. Lošonc (Losoncz) A.: Inequality: What Can Be Done?, PANOECOMICUS, 2016, Vol. 63, Issue 3, pp. 385-394, Panoeconomicus, 2016, Vol. 63, No 3, pp. 385-394, ISSN 1452-595X

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Lošonc (Losoncz) A.: Why Don't We Live in the World Anymore?, SYNTHESIS philosophica : [international Edition of the Journal Filozofska istraživanja], 2016, pp. 5-26, ISSN 0352-7875

Spisak rezultata M24 - Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom

1. Josifidis K., Lošonc (Losoncz) A., Supić N.: Josifidis, K., Lošonc, A., & Supić, N. (2016). Contradictions of international migration in terms of political economy. Stanovništvo, 54(1), 65-82, Stanovništvo, 2016, Vol. 54, No 1, pp. 65-82, ISSN 0038-982X, UDK: 314.744:330.831.8
2. Pejić S.: Pejić, S. (2016). Teorija kao proces: problemska analiza i teškoće stvaranja utemeljene teorije. Sociološki pregled Vol. L, No. 4: 527-552, Sociološki pregled, 2016, No 4, pp. 527-552, ISSN 0085-6320

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bulatović V.: Assessing Large Classes, 23. 23rd International IATEFL Slovenia Conference "Where inspiration is born", Topolšica: Slovensko društvo učiteljev angleškoga jezika IATEFL Slovenia; [https://issuu.com/iatefl\\_slovenia/docs/23\\_conference\\_selections\\_where\\_insp](https://issuu.com/iatefl_slovenia/docs/23_conference_selections_where_insp), 3-6 Mart, 2016, pp. 4-6, ISBN 978-961-91438-4-1
2. Bulatović V.: Using Literature in EFL Classroom, 23. 23rd International IATEFL Slovenia Conference "Where inspiration is born", Topolšica: Slovensko društvo učiteljev angleškoga jezika IATEFL Slovenia, 3-6 Mart, 2016, pp. 15-18, ISBN 978-961-91438-4-1
3. Lošonc (Losoncz) A., Mitrović S., Milisavljević S., Đaković I.: The company as a repository of ecological knowledge on sustainable development, 1. The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad: University of Novi Sad Faculty of technical sciences, 23 Jun, 2016, pp. 89-101, ISBN 978-86-7892-829-1
4. Pejić S., Radivojević R.: Pejić, S. i R. Radivojević (2016). Objektivnost i pouzdanost podataka dobijenih primenom kvantitativnih metoda merenja uspeha naučnika. XXI skup Trendovi razvoja: Nove tehnologije u nastavi., 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016
5. Pejić S.: Radivojević, R. i S. Pejić (2016). Globalization and transformation of social identity. In: Lošonc, A. and A. Ivanišević (2016). The Transformation of Social Identity in Crisis Conditions and its Impact on European Integration: Proceedings. Novi Sad: FTN, pp. 22-42. , 1. The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad: Fakultet tehničkih nauka, 23 Jun, 2016, pp. 22-42, ISBN 978-86-7892-829-1
6. Pejić S.: Radivojević, R. i S. Pejić (2016). Ekonomska i društvena vrednost znanja kao pretpostavka razvoja znanja i obrazovanja u modernom društvu. XXI skup Trendovi razvoja: Nove tehnologije u nastavi., 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016
7. Šafran J., Katić M.: ESP in Engineering Education, 1. The transformation of social identity in crisis conditions and its impact on european integration, Novi Sad: Fakultet tehničkih nauka, 23 Jun, 2016, pp. 73-88
8. Šafran J., Katić M.: Technical Description in Academic Writing, 8. INTERNATIONAL Symposium on Graphic

Engineering and Design GRID, Novi Sad, 3-4 Novembar, 2016, pp. 489-494

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Bogdanović V.: Students' satisfaction with different types of evaluation, 978. 50th Annual International IATEFL Conference, Birmingham: Trinity College London, 13-16 April, 2016

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe, prevod izvornog teksta

1. Lošonc (Losonc) A.: Anatomija robe, sa Vladimirom Gvozdenom, Novi Sad, Adresa, 2016, ISBN 978-86-80268-12, UDK: 330.1:1

Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

1. Lošonc (Losonc) A.: Pritisnuti multikulturalizam, in Stanje i perspektiva multikulturalizma, Beograd, Srpska akademija nauke i umetnosti, 2016, ISBN 978-86-7025-710-8

Spisak rezultata M45 - Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja

1. \*\*\*\*Lošonc (Losonc) A.: Postoji li nova (mađarska) paradigma autoritarnosti?, 63-83, ZbORNIK RADOVA, aa međunarodne konferencije Urušavanje ili slom demokratije? (Beograd, 24-25. septembar 2016.), Beograd, Udruženje za političke nauke Srbije Univerzitet u Beogradu – Fakultet političkih nauka, 2016, str. 63-83, ISBN 978-86-6425-022-1
2. Josifidis K., Lošonc (Losonc) A.: Kosta Josifidis, Apar Lošonc (2016). A Critical Appreciation of Schumpeter's Theory of Imperialism. In The economic causes and consequences of the first world war. Editors: Ivan Vujačić, Mihail Arandarenko. Publisher: Centar za izdavačku delatnost. Ekonomski fakultet u Beogradu. Beograd. ISBN 978-86-403-1451-0, Centar za izdavačku delatnost. Ekonomski fakultet u Beogradu. , 2016, str. 73-91, ISBN 978-86-403-1451-0
3. Lošonc (Losonc) A., Lošonc M.: Fasizmus, posztfasizmus, neoliberalizmus (fasizam, postfasizam, neoliberalizam), in A forradalom végtelensége (ur. Böcskei Balázs), Budimpešta, L harmattan, 2016, str. 159-186, ISBN 978-963-414-244-7
4. Lošonc (Losonc) A.: Dosad je dijalog samo različito tumačen a treba ga transformisati, in Misaona popudbina Tome Vereša, Subotica, Zavod za kulturu vojvođanskih Hrvata, 2016, str. 131-147, ISBN 978-86-87831-21-6
5. Lošonc (Losonc) A.: Elavult-e a tér (Da li je prostor zastareo), in Árkádia, Debrecen, Debrecen University Press, Fakultet Arhitekture, 2016, str. 165-185, ISBN ISSN 2063-6954
6. Lošonc (Losonc) A.: Ellenállás: ismét, in Az ifjúság a globális térben, Segedin, Szegedi Egyetemi Kiadó, 2016, str. 103-117, UDK: 978-615-5455-61-2
7. Lošonc (Losonc) A.: Közép-Európa az európai hármasszerkezetben (Srednja Evropa u trijadnoj strukturi Evrope). In. Kelet-) Közép-Európa a (magyar) filozófiatörténetben. Szerk. Mester Béla, MTA Bölcsészettudományi Kutatóközpont, Filozófiai Intézet - Gondolat Kiadó, Budapest 2016. 65-82. o. , Budimpešta, Gondolat Kiadó, Budapest 2016., 2016, ISBN 9789636937027
8. Lošonc (Losonc) A.: Nemoguća lenjost: sudbina nerada kao posle kraja rada, in Lenjost (ur. Dragan Prole, Alpar Losonc), Novi Sad, Adresa, 2016, str. 89-137, ISBN 978-86-80268-09-5
9. Lošonc (Losonc) A.: Smrt kao kritičko načelo , 57-67, O DUHU OTVORENOSTI, University press – izdanja Magistrat Subotica – Sarajevo, 2016. godine , Subotica, University press – izdanja Magistrat Subotica – Sarajevo, 2016. godine, Uredila: Aleksandra Đurić Bosnić, 2016, str. 57-67, ISBN 978-86-85119-10

Spisak rezultata M49 - Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja

1. Lošonc (Losonc) A.: Lenjost, ur. Alpar Lošonc, Dragan Prole, Novi Sad, Adresa, 2016, ISBN 978-86-80268-09-5, UDK: COBISS. SR. ID- 310623239

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bogdanović V., Mirović I.: Kolokacije i tipovi kolokacija u udžbenicima stručnog engleskog jezika - kvantitativna pedagoška analiza, Zbornik radova Filozofskog fakulteta Univerziteta u Prištini, 2016, Vol. 46, No 2, pp. 445-464, ISSN 0354-3293, UDK: 10.5937/zrffp46-11874
2. Šafranjan J.: Logical/Mathematical Intelligence in Teaching English as a Second Language, Procedia - Social and Behavioral Sciences, 2016, Vol. 232, pp. 75-82, ISSN 1877-0428

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Lošonc (Losonc) A.: Postdemokratija: struktura koja se očituje, Letopis Matice srpske, 2016, Vol. 48, No 3, pp. 441-457, ISSN 0025-5939

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Katić M., Šafran J., Mirović I.: Predlog o usvajanju engleskih skraćenica za nazive titula i zvanja inženjerskih struka, 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 303-308, ISBN 978-86-7892-795-9
2. Lošonc (Losoncz) A., Ivanišević A., Novaković J.: Stakeholder-menadžment, univerzitet, ekološka senzitivnost, 22. Trendovi razvoja TREND, Zlatibor: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 16-19 Februar, 2016, pp. 180-184, ISBN 978-86-7892-795-9
3. Pejić S.: Radivojević, R. i S. Pejić (2016). Ekonomska i društvena vrednost znanja kao pretpostavka razvoja znanja i obrazovanja u modernom društvu. XXI skup Trendovi razvoja: Nove tehnologije u nastavi. , 22. Trendovi razvoja TREND, Zlatibor: Fakultet tehničkih nauka, 16-19 Februar, 2016

Spisak rezultata M71 - Odbranjena doktorska disertacija

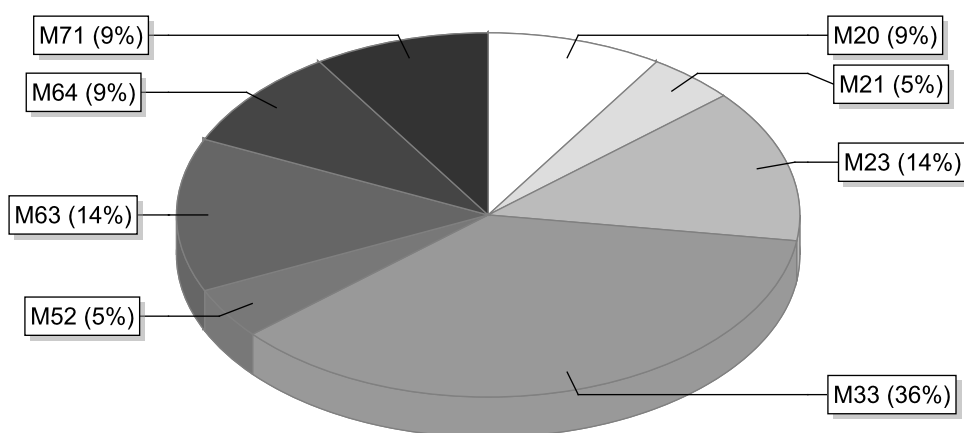
1. Ličen B.: Istorija i politika u romanima Nejdin Gordimer, 2016

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za animaciju u inženjerstvu

Zbirni pregled naučno istraživačkih rezultata u 2016. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu izuzetnih vrednosti	M21a	2
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Odbranjena doktorska disertacija	M71	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M21a - Rad u međunarodnom časopisu izuzetnih vrednosti

1. Krstanović L., Ralević N., Zlokolica V., Obradović R., Mišković D., Janev M., Popović B.: GMMs similarity measure based on LPP-like projection of the parameter space, *Expert Systems with Applications*, 2016, Vol. 66, pp. 136-148, ISSN 0957-4174
2. Perišić A., Lazić M., Perišić B.: The Extensible Orchestration Framework approach to collaborative design in architectural, urban and construction engineering, *Automation in Construction*, 2016, Vol. 71, pp. 210-225, ISSN 0926-5805

### Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Banjac B., Makragić M., Malešević B.: SOME NOTES ON A METHOD FOR PROVING INEQUALITIES BY COMPUTER, *Results in Mathematics - Resultate der Mathematik*, 2016, ISSN 1422-6383

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Bajić Papuga B., Lindblad J., Sladoje N.: Restoration of images degraded with signal-dependent noise based on energy minimisation: an empirical study, *Journal of Electronic Imaging*, 2016, Vol. 25, No 4, ISSN 0230-08
2. Perišić A., Lazić M., Obradović R., Galić I.: Daylight And Urban Morphology: A Model For Analysing The Average Annual Illumination Of Residential Housing, *Tehnicki vjesnik - Technical Gazette*, 2016, Vol. 23, No 5, pp. 1343-1350, ISSN 1330-3651
3. Popkonstantinović B., Obradović R., Obradović M., Jeli Z., Stojićević M.: Geometrical and mechanical characteristics of deformed balance spring obtained by simulation study, *SIMULATION 0037549716673453*, first published on October 18, 2016 as doi:10.1177/0037549716673453, *International Journal for Computer Simulation*, 2016, Vol. 92, No 11, pp. 981-997, ISSN 0037-5497

### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bajić Papuga B., Lindblad J., Sladoje N.: Blind Restoration of Images Degraded with Mixed Poisson-Gaussian Noise with Application in Transmission Electron Microscopy, 13. International Symposium on Biomedical Imaging: From Nano to Macro, Prag: IEEE, 13-16 April, 2016, pp. 123-127, ISBN 978-1-4799-2349-6
2. Bajić Papuga B., Lindblad J., Sladoje N.: Single image super-resolution reconstruction in presence of mixed Poisson-Gaussian noise, 6. International Conference on Image Processing Theory, Tools and Applications, Oulu: IEEE, 12-15 Decembar, 2016, ISBN 978-1-4673-8910-5
3. Jovan M., Vladimir Z., Relja Lj., Kresimir V., Irena G., Radovan O., Vladimir M.: Multi-camera System Calibration for 3D Surround Camera Distribution, 5. Croatian Computer Vision Workshop, Osijek, 11 Oktobar, 2016
4. Miler-Jerković V., Janković M., Banjac B., Malešević B., Mihailović B.: Applications of the generalized  $\{1, 4\}$ -inverse in restoration of blurred images, 5. International Conference moNGeometrija, Beograd, 23-26 Jun, 2016, pp. 62-68
5. Obradović R., Vejnović T., Kekeljević I., Vejnović A., Višnjevac N., Raković M., Milatović S.: PRE PRODUCTION FOR DEVELOPMENT OF EDUCATIONAL 3D ANIMATION ACCORDING TO VEJNOVIC MODIFICATION OF THE CESAREAN SECTION TECHNIQUE, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG), Faculty of Civil Engineering, University of Belgrade, 23-26 Jun, 2016, pp. 338-350, ISBN 978-86-7466-614-2
6. Petrović M., Banjac B., Malešević B., Mijailović R.: Curve fitting by multifocal ellipses in architectural structures geometry, 5. International Conference moNGeometrija, Beograd, 23-26 Jun, 2016, ISBN 978-86-7466-614-2
7. Stajić B., Šunjka N., Mijatov J., Perišić A., Obradović R.: 3D MODELING COURSE AT THE COMPUTER GRAPHICS - ENGINEERING ANIMATION STUDIES, 4. Between Computational Models and Performative Capacities, Novi Sad: eCAADe (Education and Research in Computer Aided Architectural Design in Europe) and Faculty of Technical Sciences, University of Novi Sad, 19-20 Maj, 2016, pp. 124-138, ISBN 978-86-7892-807-9
8. Šiđanin P., Lazić M., Obradović R.: IMMERSIVE VIRTUAL REALITY COURSE AT THE DIGITAL PRODUCTION STUDIES, 5. International Conference moNGeometrija, Beograd: Serbian Society for Geometry and Graphics (SUGIG), Faculty of Civil Engineering, University of Belgrade, 23-26 Jun, 2016, pp. 245-249, ISBN 978-86-7466-614-2

### Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Banjac B.: Some Surfaces of Second Order as Examples of Weber's Surfaces , JOURNAL OF INDUSTRIAL DESIGN AND ENGINEERING GRAPHICS, 2016, Vol. 10, pp. 55-60, ISSN 2344-4681

Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

1. Bajić Papuga B., Lindblad J., Sladoje N.: Blind Deconvolution of Images Degraded with Mixed Poisson-Gaussian Noise with Application in Transmission Electron Microscopy, 36. Swedish Symposium on Image Analysis, Uppsala, 14-16 Mart, 2016, pp. 137-141
2. Santoši Ž., Korolija-Crkvenjakov D., Stojaković V., Obradović R., Budak I.: Model sistema za izbor metode 3D digitalizacije kod nepokretnog kulturnog nasleđa, 10. International Scientific Conference ETIKUM, Novi Sad: Faculty of Technical Sciences Department of Production Engineering, 23-25 Jun, 2016, pp. 177-180, ISBN 978-86-7892-825-3
3. Stojaković V., Obradović R., Santoši Ž.: MODEL ZA KREIRANJE PLANA SNIMANJA ZA FOTOGRAMETRIJSKO MERENJE SFM PRISTUPOM, 10. International Scientific Conference ETIKUM, Novi Sad: FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF PRODUCTION ENGINEERING, 23-25 Jun, 2016, pp. 173-176, ISBN 978-86-7892-826-0

Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

1. Banjac B., Lutovac T., Malešević B.: O NEKIM NEJEDNAKOSTIMA KOJE SE MOGU SVESTI NA DOKAZIVANJE MIKSOVANIH TRIGONOMETRIJSKIH NEJEDNAKOSTI, 1. Conference on Mathematics in Engineering: Theory and Applications, Novi Sad, 5-6 Mart, 2016
2. Malešević B., Banjac B., Jovanović M., Marković N.: Trodimenzionalna vizuelizacija modifikovanog modela Huygensovog planetarijuma, 7. Simpozijum " Matematika i primene ", Beograd: Matematički fakultet, Univerzitet u Beogradu, 4-5 Novembar, 2016

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# **Departman za mehanizaciju i konstrukciono mašinstvo**

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