

# ГОДИШЊИ ИЗВЕШТАЈ О НАУЧНОИСТРАЖИВАЧКОЈ ДЕЛАТНОСТИ 2014

УНИВЕРЗИТЕТ У НОВОМ САДУ  
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА



**Годишњи извештај о научноистраживачкој делатности 2014.  
је резултат рада на пројекту:**

**“ Развој и могућности унапређења наставе на  
Факултету техничких наука “**

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Захваљујемо се:

ауторима радова, учесницима на пројектима,  
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на Факултету 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 2014. годину, сада већ девети по реду. И овај, као и претходних осам, 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 науку и технолошки развој.*

*Поред резултата научноистраживачког рада у 2014. години дат је списак и свих радова објављених до краја 2014. 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

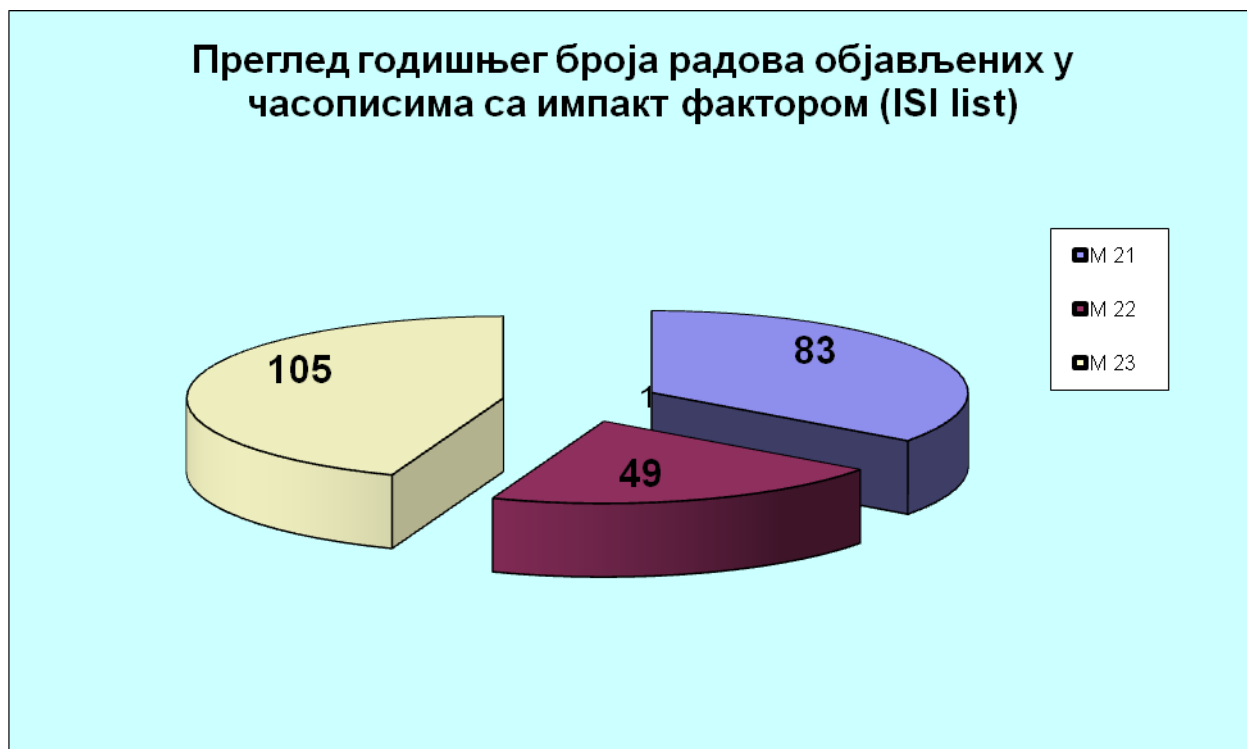
Научноистраживачка делатност на Факултету техничких наука представља једну од три основне делатности којим се бави Факултет, поред наставе и примене резултата у привреди. Факултет техничких наука располаже са бројним лабораторијама и осталом неопходном инфраструктуром (јак интернет, добро опремљена библиотека, 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 подстакао своје асистенте и наставнике да буду продуктивнији у овој области. Неке од тих подстицајних мера су следеће:

- Сви 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** (чиме 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 (*ISI list*).



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

Може се уочити тренд сталног повећавања броја објављених радова у квалитетним часописима све до 2012. године, као последица, између осталог, и деловања донетих подстицајних мера. У 2013. године први пут долази до пада броја објављених радова. То није резултат смањења научноистраживачког рада већ представља заокрет у смеру даљег повећавања квалитета објављених радова. Наиме, током претходних година, уочено је да одређени број часописа, мада формално јесу на листи часописа са импакт фактором (*ISI list*), ипак објављује одређен број радова који по квалитету не заслужују такав ранг.

Након својеврсне „побуне“ академске јавности и препоруке надлежних органа (Националног савета за науку и Акредитационе комисије) о вредновању таквих радова, одлучено је да се одређен број часописа који су предњачили у таквим активностима (ТТМ, HealthMed, Metalurgia International, ...) интерно скине са листе часописа са импакт фактором, односно да се радови објављени у тим, такозваним предаторским часописима, на рачунају као они који квалификују њихове ауторе за приступ одбрани докторске дисертације и за бирање у наставничка звања.



Овако оштра одлука је имала за последицу да се значајан број радова аутора са ФТН-а такође нађе на списку оних који се не рачунају за горе наведене активности и то се види као опадање укупног броја објављених радова у часописима са импакт фактором. Верујемо да ће ова мера, на дуже стазе гледано, довести до тога да аутори много више пажње поклоне избору часописа у коме ће објавити своје резултате и да ће се мање поводити за лакоћом или брзином објављивања а тиме се подстичу на квалитетнији рад у овој области.

Факултет техничких наука континуирано наставља да ради у правцу подстицања научноистраживачке делатности а нагласак током 2014. године је био нарочито на подстицању младих истраживача. Активно бављење младих истраживача науком се подстиче на више начина:

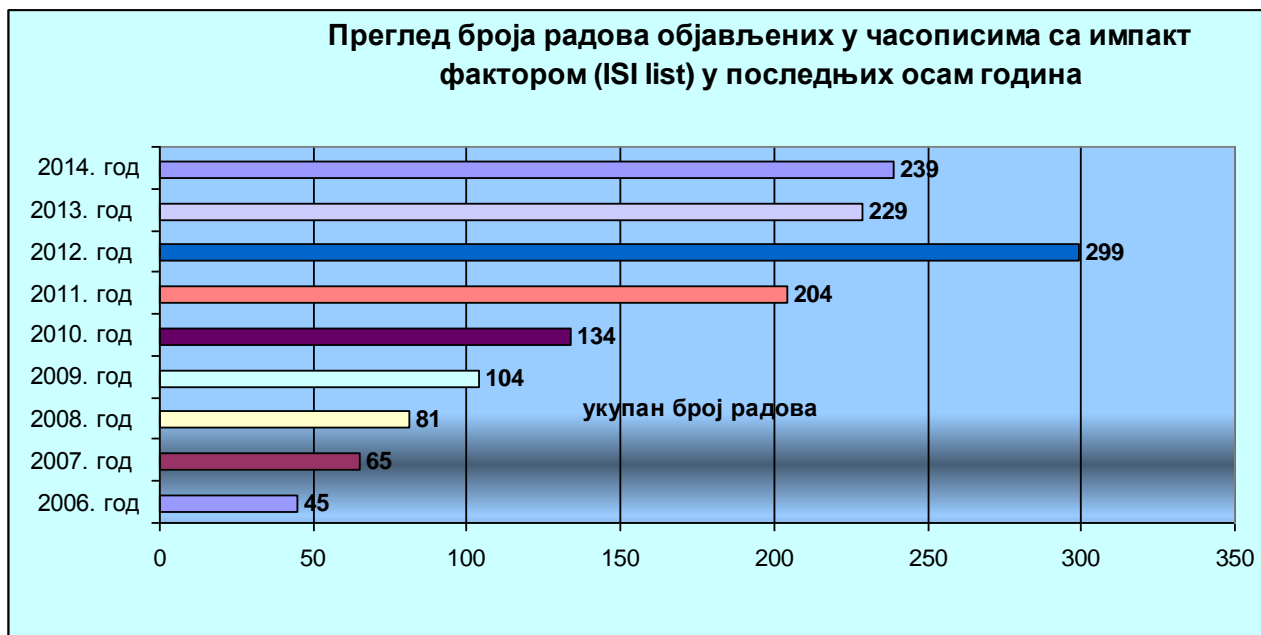
- Сваке године се прима одређени број квалитетних дипломаца и мастера у својству истраживача сарадника на постојеће пројекте које финансира Министарство просвете, науке и технолошког развоја. Поред стипендија које им обезбеђује Министарство, Факултет техничких наука им обезбеђује просторне и све друге могућности за рад у овој области.
- Награда за најбољег научника се ограничава на старост до 40. година.
- Факултет је постао координатор FP7 пројекта FET EYE за Србију који за циљ има да оснажи младе докторанте а чији ће се пуни ефекат видети током наредних година.

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

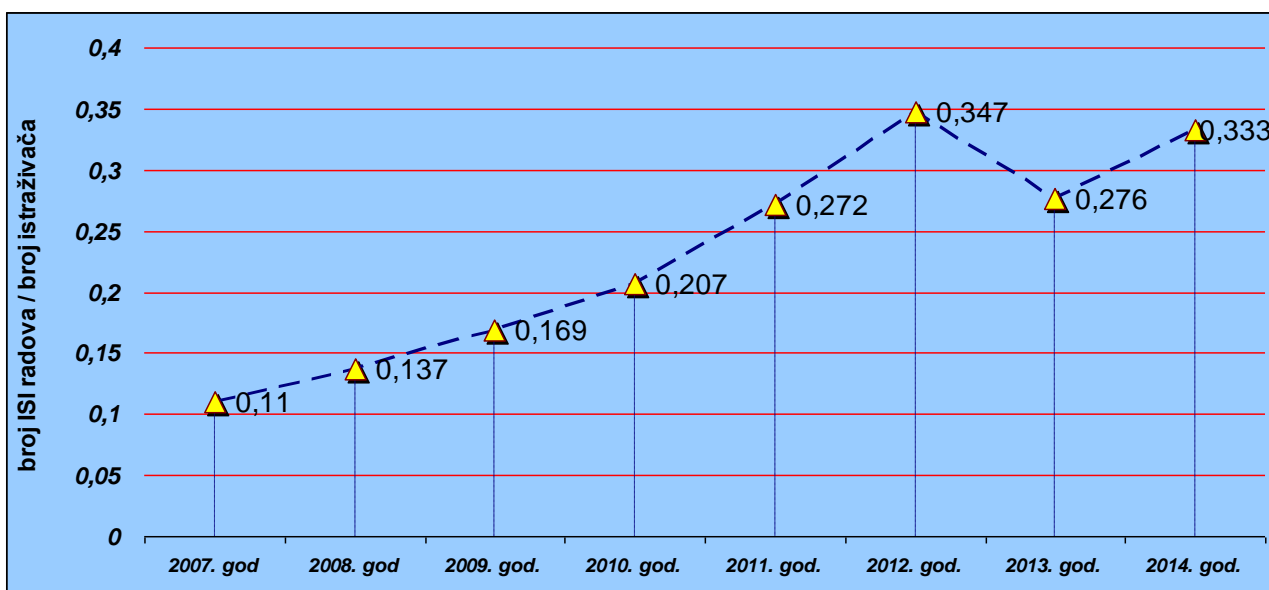
Поред тога, уведена је још једна мера којом се спречава „спавање“ на старој слави. Наиме, почевши од прошле године, за подстицајни додатак на плату због објављених радова се рачунају само радови објављени у последњих пет година. Ова мера доприноси својеврсној ажурности и бризи да се континуално објављују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

**2.0 РАДОВИ ОБЈАВЉЕНИ У  
ЧАСОПИСИМА МЕЂУНАРОДНОГ ЗНАЧАЈА  
РАНГА M21, M22, M23, ТЈ. ЧАСОПИСИМА  
СА ISI ЛИСТЕ (СА ИМПАКТ ФАКТОРОМ)  
У ТОКУ 2014. ГОДИНЕ**

Редни број	М	Библиографска одредница научног рада
1	21	Bačkalić S., Jovanović D., Bačkalić T.: Reliability reallocation models as a support tools in traffic safety analysis, Accident analysis & prevention, 2014, Vol. 65, pp. 47-52, ISSN 0001-4575
2	21	Bajat M., Pakar I., Cvetičanin L.: Nonlinear free vibration of systems with inertia and static type cubic nonlinearities: An analytical approach, Mechanism and Machine Theory, 2014, Vol. 77, pp. 50-58, ISSN 0094-114X
3	21	Bajić J., Stupar D., Dakić B., Živanov M., Nađ L.: An absolute rotary position sensor based on cylindrical coordinate color space transformation, Sensors and Actuators A: Physical, 2014, Vol. 213, No July, pp. 27-37, ISSN 0924-4247
4	21	Bečelić-Tomin M., Dalmacija B., Rajić Lj., Tomašević D., Kerkez Đ., Watson M., Prica M.: Degradation of Anthraquinone Dye Reactive Blue 4 in Pyrite Ash Catalyzed Fenton Reaction, The Scientific World JOURNAL, 2014, ISSN 1537-744X
5	21	Brdar S., Crnojević V., Blaž Z.: Integrative clustering by non-negative matrix factorization can reveal coherent functional groups from gene profile data, IEEE Journal of Biomedical and Health Informatics, 2014
6	21	Brkljač B., Janev M., Obradović R., Rapaić D., Ralević N., Crnojević V.: Sparse representation of precision matrices used in GMMs, Applied Intelligence, 2014, No 41, pp. 956-973, ISSN 0924-669X
7	21	Budinski Lj.: MRT lattice Boltzmann method for 2D flows in curvilinear coordinates, Computers and Fluids, 2014, Vol. 96, pp. 288-301, ISSN 0045-7930
8	21	Cvetičanin L.: Coupled Van der Pol oscillator with non-integer order connection, Communication in Non-linear Science and Numerical Simulations, 2014, Vol. 19, pp. 3362-3372, ISSN 1007-5704
9	21	Cvetičanin L.: On the truly nonlinear oscillator with positive and negative damping, Applied Mathematics and Computation, 2014, Vol. 243, pp. 433-445, ISSN 0096-3003
10	21	Cvetković Lj., Doroslovački K.: Max norm estimation for the inverse of block matrices, Applied Mathematics and Computation, 2014, No 242, pp. 694-706, ISSN 0096-3003
11	21	Čeljuska N., Sečujski M., Crnojević-Bengin V.: Compressibility-Near-Zero Acoustic Metamaterial, Physics Letters A, 2014, Vol. 378, No 16-17, pp. 1153-1156, ISSN 0375-9601
12	21	Čolić J., Hajime M., Pantović J.: One-point Extension of the Algebra of Incompletely Specified Operations, Journal of Multiple Valued Logic and Soft Computing, 2014, Vol. 22, No 1-2, pp. 79-94, ISSN 1542-3980
13	21	Čongradac V., Petrovački N.: Methods for assessing energy savings in hospitals using various control techniques, Energy and Buildings, 2014, Vol. 69, pp. 85-92, ISSN 0378-7788

14	21	Ćirović G., Radonjanin V., Trivunić M., Nikolić D.: Optimization of UHPFRC Beams Subjected to Bending Using Genetic Algorithms, Journal of Civil Engineering and Management, 2014, Vol. 20, No 4, pp. 527-536, ISSN 1392-3730
15	21	Djukic Z., Aleksic O., Nikolic M., Labus N., Radovanović M., Lukovic M.: Structural and electrical properties of sintered Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanopowder mixtures, Ceramics International, 2014, Vol. 40, No 9, pp. 15131-15141, ISSN 0272-8842
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218	23	Stančić M., Kašiković N., Novaković D., Dojčinović I., Vladić G., Dragić M.: The Influence of Washing Treatment on Screen Printed Textile Substrates, <i>Tekstil ve konfeksiyon</i> , 2014, Vol. 24, No 1, pp. 96-104, ISSN 1300-3356
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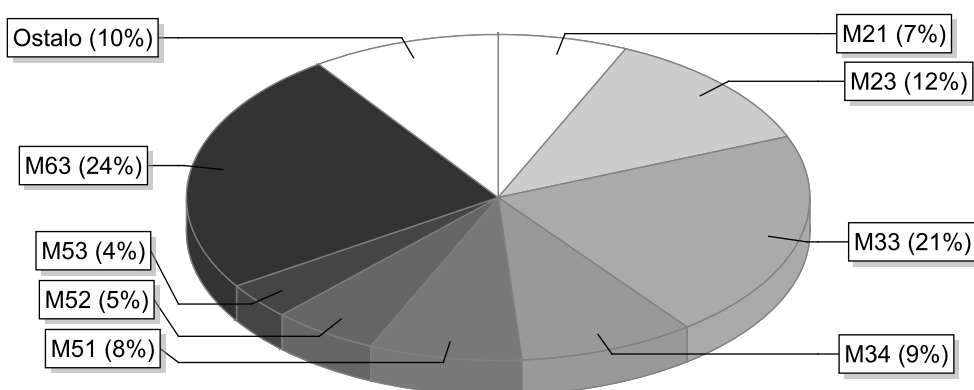
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234	23	Vrač D., Šiđanin (Sidjanin) L., Baloš S., Kovač P.: The influence of tool kinematics on surface texture, productivity, power and torque of normal honing, Industrial Lubrication and Tribology, 2014, Vol. 66, No 2, pp. 215-222, ISSN 0036-8792
235	23	Zarić M., Segedinac M., Sladić G., Konjović Z.: A Flexible System for Request Processing in Government Institutions, Acta Polytechnica Hungarica, 2014, Vol. 11, No 6, pp. 207-227, ISSN 1785-8860
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237	23	Zuber N., Rusmir B., Šostakov R.: Relations Between Pulverizing Process Parameters and Beater Wheel Mill Vibration for Predictive Maintenance Program Setup, Eksploatacja i Niezawodność – Maintenance and Reliability, 2014, Vol. 16, No 1, pp. 158-163, ISSN 1507-2711
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239	23	Župunski Lj., Spasić Jokić V., Gordanić V.: Natural radionuclides content in the river sediment and related health risk assessment for the West Morava River basin, Serbia, Carpathian Journal of Earth and Environmental Sciences, 2014, Vol. 9, No 3, pp. 75-84, ISSN 1842-4090

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za proizvodno mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	11
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	20
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Naučna kritika i polemika u međunarodnom časopisu	M26	1
Uređivanje međunarodnog naučnog časopisa	M28	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	15
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
Rad u vodećem časopisu nacionalnog značaja	M51	13
Rad u časopisu nacionalnog značaja	M52	9
Rad u naučnom časopisu	M53	6
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	40
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	1
Bitno poboljšan postojeći proizvod ili tehnologija	M84	2
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1

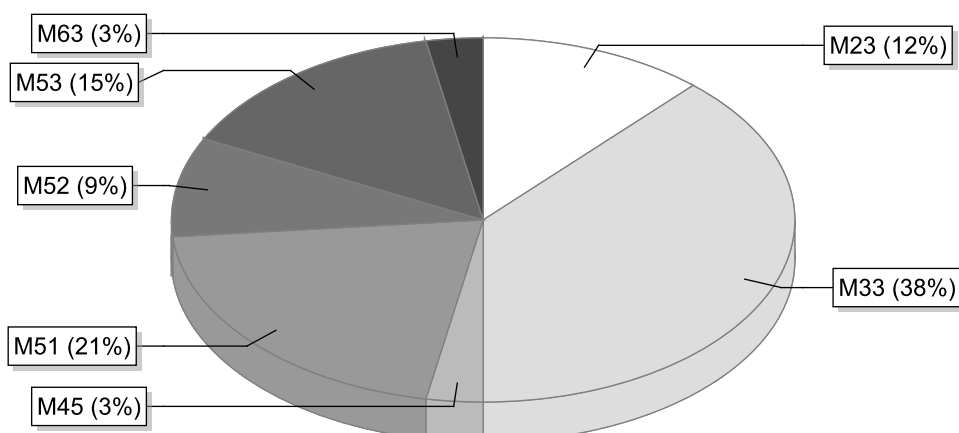


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procese obrade skidanjem materijala

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	13
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	1
Rad u vodećem časopisu nacionalnog značaja	M51	7
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	5
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

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3. Kovač P., Rodić D., Pucovski (Pucovsky) V., Savković B., Gostimirović M.: Multi-output fuzzy inference system for modeling cutting temperature and tool life in face milling, *Journal of Mechanical Science and Technology*, 2014, Vol. 28, No 10, pp. 4247-4256, ISSN 1738-494X, UDK: DOI 10.1007/s12206-014-0938-0
4. Vrač D., Šiđanin (Sidjanin) L., Baloš S., Kovač P.: The influence of tool kinematics on surface texture, productivity, power and torque of normal honing, *Industrial Lubrication and Tribology*, 2014, Vol. 66, No 2, pp. 215-222, ISSN 0036-8792

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

1. Adamović (Majkić) S., Kovač P., Prica M., Novaković D., Dalmacija B., Rajić Lj., Krčmar D.: The kinetics of organic substances removal from the waste offset printing developer by the electrocoagulation/flotation with a combination of electrodes, 20. Conference Engineering of Environment Protection - TOP2014, Bratislava: Slovak University of Technology in Bratislava, 10-12 Jun, 2014, pp. 1-6, ISBN 978-80-227-4174-3
2. Gostimirović M., Kovač P., Mankova I., Sekulić M., Savković B.: MODULAR DESIGN OF MACHINE TOOLS FOR WATER JET MACHINING, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of technical Sciences-Novi Sad, Faculty of Mechanical Engineering, STU Bratislava, 12-15 Jun, 2014, pp. 425-428, ISBN ISBN 978-86-7892-615
3. Hriberšek I., Pušavec F., Sekulić M., Kopač J.: The numerical model of shear zone during the orthogonal cutting (dry and cryogenic) of Inconel 718, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: UNIVERSITY OF NOVI SAD - FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT, 15-17 Oktobar, 2014, pp. 37-40
4. Ješić D., Savković B., Kovač P.: ENERGETIC AND ECONOMIC ASPECT OF TRIBOLOGICAL PROPERTIES OF AUSTEMPERED NODULAR CASTING, 7. Međunarodni naučni skup Savremeni materijali, Banja Luka: Academy of Sciences and Arts of the Republic of Srpska, 21-22 Decembar, 2014, pp. 67-72, ISBN 978-99938-21-65-6
5. Jurković M., Jurković Z., Cukor G., Brezočnik M., Sekulić M.: APPLICATION OF MODELING AND SIMULATION IN REENGINEERING OF MANUFACTURING PROCESSES, 18. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Budimpešta: Faculty of Mechanical Engineering, 10-12 Septembar, 2014, pp. 45-48, ISBN 1840-4944
6. Kovač P., Rodić D., Gostimirović M., Ješić D., Kirin S., Cvijanović N.: Modelling of the cutting forces during wear process by using neuro-fuzzy system and fuzzy logic, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: UNIVERSITY OF NOVI SAD - FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT, 15-17 Oktobar, 2014, pp. 45-48, ISBN 978-86-7892-652
7. Kovač P., Savković B., Gostimirović M., Ješić D.: ADOPTION OF SPECIFIC BORONISING TECHNOLOGY OF STEEL WORKPIECE AND EXEMINATION OF BORID LAYER WEAR, 7. Međunarodni naučni skup Savremeni materijali, Banja Luka: Academy of Sciences and Arts of the Republic of Srpska, 21-22 Decembar, 2014, pp. 73-82, ISBN 978-99938-21-65-6
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9. Pucovski (Pucovsky) V., Rodić D., Kovač P., Savković B., Rzakiewicz S., Rokosz K.: Artificial intelligence in machining processes, 11. Konferencja Studentów i Młodych Pracowników Nauki Wydziału Mechanicznego, Koszalin: Politechnika Koszalińska, 19-25 Maj, 2014, pp. 217-224, ISBN 978-83-7365-359-7
10. Rodić D., Gostimirović M., Kovač P., Mankova I., Pucovski (Pucovsky) V.: Predicting of machining quality in electric discharge machining using intelligent optimization techniques, 2. International Conference on Recent

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11. Savković B., Kovač P., Rodić D., Gostimirović M., Pucovski (Pucovsky) V., Holešovský F.: Application of anfis for modeling and prediction of the surface roughness for steel difficult to machining, 8. International Scientific Conference on Mechanical Engineering - COMEC, Cayo Santa Maria: Faculty of Mechanical Engineering, Universidad Central "Marta Abreu" de Las Villas, CUBA, 17-20 November, 2014, pp. 1-11, ISBN 978-959-250-997-9
12. Sekulić M., Kovač P., Gostimirović M., Hadžistević M., Jurković Z.: PREDICTION OF THE MAIN CUTTING FORCE IN DRILLING BY KIENZLE EQUATION, 18. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Budimpešta: Faculty of Mechanical Engineering, 10-12 September, 2014, pp. 5-18, ISBN 1840-4944
13. Sovilj-Nikić I., Sovilj B., Kovač P., SOVILJ-NIKIĆ S., VARGA G., LEGUTKO S., Gajić V.: AUTOMATION OF MODELING AND DESIGN OF TOOLS FOR GEARING BY RELATIVE ROLLING, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of technical Sciences-Novi Sad, Faculty of Mechanical Engineering, STU Bratislava, 12-15 Jun, 2014, pp. 221-224, ISBN ISBN 978-86-7892-615

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

1. Savković B., Kovač P., Gostimirović M., Rodić D., Pucovski (Pucovsky) V.: Application of Neural Networks for Modeling and Prediction of The Machining Surface Roughness for Steel Difficult to Machining, Cracow, Cracow University of Technology, 2014, str. 259-270, ISBN 978-83-7242-765-6

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Gostimirović M., Rodić D., Kovač P., Pucovski (Pucovsky) V., Savković B.: APPLICATION OF NEURO-FUZZY SYSTEMS AND GENETIC PROGRAMMING FOR MODELLING SURFACE ROUGHNESS IN ELECTRICAL DISCHARGE MACHINING, Annals of Faculty Engineering Hunedoara - International Journal of Engineering, 2014, Vol. 7, No 1, pp. 137-140, ISSN 1584-2665
2. Ješić D., Kovač P., Golubović D., Cvijanović N., Samardžija M.: PRIMENA ENERGIJE VETRA I SUNCA ZA POTREBE NAVODNJAVANJA POLJOPRIVREDNIH POVRŠINA , Traktori i pogonske mašine, 2014, Vol. 19, No 4, pp. 26-33, ISSN 0354-9496, UDK: 629.06
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4. Kovač P., Ješić D., Gvozdenović N., Savković B., Kekić A.: ISPITIVANJE TRIBOLOŠKIH KARAKTERISTIKA U ZAVISNOST OD PRIMENJENE VRSTE ULJA U TRIBOLOŠKOM SISTEMU , Traktori i pogonske mašine, 2014, Vol. 19, No 3, pp. 88-94, ISSN 0354-9496, UDK: 631.372
5. Kovač P., Savković B., Šiđanin (Sidjanin) L., Lukač O., Mankova I.: THE INFLUENCE OF MATERIAL MICROSTRUCTURE ON THE CHIP FORMING PROCESS, Contemporary Materials, 2014, Vol. 5, No 1, pp. 69-76, ISSN 1986-8669, UDK: UDK 621.9.01:669
6. Rodić D., Gostimirović M., Kovač P., Mankova I., Pucovski (Pucovsky) V.: Predicting of machining quality in electric discharge machining using intelligent optimization techniques, International Journal of Recent advances in Mechanical Engineering, 2014, Vol. 3, No 2, pp. 1-9, ISSN 2200-5854, UDK: DOI : 10.14810/ijmech.2014.3201
7. Rodić D., Gostimirović M., Kovač P., Radovanović M., Savković B.: Comparison of fuzzy logic and neural network for modelling surface roughness in edm, International Journal of Recent advances in Mechanical Engineering, 2014, Vol. 3, No 3, pp. 69-78, ISSN 2200-5854, UDK: DOI : 10.14810/ijmech.2014.3306

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

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2. Kovač P., Gostimirović M., Ješić D., Savković B., Kulundžić N.: THE ROLE OF MATERIAL QUALITY CONTROL IN MODERN MANUFACTURING, Journal of Production Engineering, 2014, Vol. 17, No 2, pp. 63-66, ISSN 1821-4932, UDK: 621
3. Kovač P., Gostimirović M., Savković B., Mankova I., Pucovski (Pucovsky) V., Rodić D.: LCA ACTIVITIES - A REVIEW, Journal of Production Engineering, 2014, Vol. 17, No 2, pp. 1-6, ISSN 1821-4932, UDK: 621

Spisak rezultata M53 - Rad u naučnom časopisu

1. Đurica D., Sekulić M.: PRIMENA NAPREDNIH CAM SISTEMA U SAVREMENIM OBRADAMA REZANJEM



, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 8, pp. 1579-1583, ISSN 0350-428X, UDK: 621.9

2. Jurković M., Jurković Z., Cukor G., Brezočnik M., Sekulić M.: APPLICATION OF MODELING AND SIMULATION IN REENGINEERING OF MANUFACTURING PROCESSES, Journal of Trends in the Development of Machinery and Associated Technology, 2014, Vol. 18, No 1, pp. 63-66, ISSN 2303-4009
3. Mitrović D., Kovač P., Savković B.: OBNOVLJIVI IZVORI ENERGIJE - TOPLOTNE PUMPE, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 5, pp. 813-816, ISSN 0350-428X, UDK: 620.92
4. Perišić Lj., Savković B., Gostimirović M.: ISTRAŽIVANJE TEHNOLOŠKIH PARAMETARA PROCESA OBRADJE PLAZMOM, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 5, pp. 781-784, ISSN 0350-428X, UDK: 621.7/.9
5. Sekulić M., Kovač P., Gostimirović M., Hadžistević M., Jurković Z.: PREDICTION OF THE MAIN CUTTING FORCE IN DRILLING BY KIENZLE EQUATION, Journal of Trends in the Development of Machinery and Associated Technology, 2014, Vol. 18, No 1, pp. 27-30, ISSN 2303-4009

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

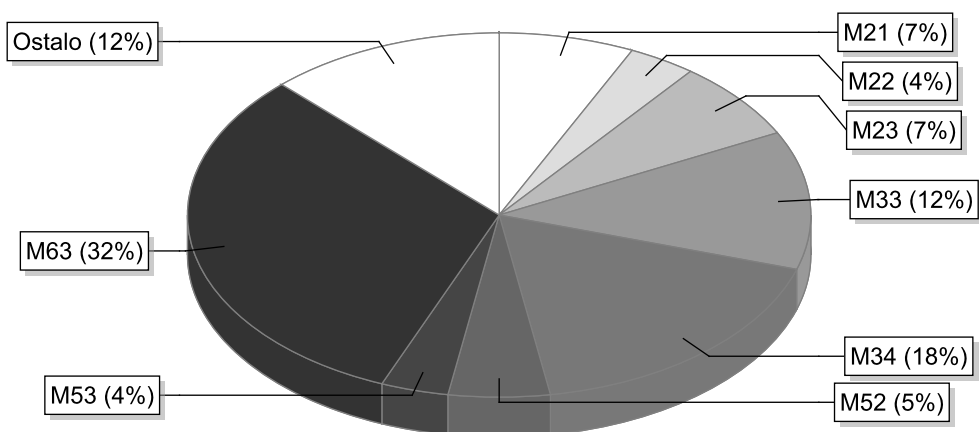
1. Pucovski (Pucovsky) V., Kovač P., Tolnay M., Savković B., Ildiko M.: Analysis of Academic Staff Mobility Potential, 20. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka, 24-27 Februar, 2014, pp. 87-90, ISBN 978-86-7892-594-8

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

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

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	4
Naučna kritika i polemika u međunarodnom časopisu	M26	1
Uređivanje međunarodnog naučnog časopisa	M28	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	10
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	18
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



## PRODUKCIJA - REZULTATI

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

1. Puškar T., Jevremović D., Williams R., Eggbeer D., Vukelić Đ., Budak I.: A comparative analysis of the corrosive effect of artificial saliva of variable pH on DMLS and cast Co-Cr-Mo dental alloy, *Materials*, 2014, Vol. 7, No 9, pp. 6486-6501, ISSN 1996-1944
2. Tadić B., Vukelić Đ., Miljanić D., Bogdanović B., Mačužić I., Budak I., Todorović P.: Model testing of fixture-workpiece interface compliance in dynamic conditions, *Journal of Manufacturing Systems*, 2014, Vol. 33, No 1, pp. 76-83, ISSN 0278-6125
3. Todorović P., Vukelić Đ., Tadić B., Veljković D., Budak I., Mačužić I., Lalić B.: Modelling of dynamic compliance of fixture/workpiece interface, *International Journal of Simulation Modelling*, 2014, Vol. 13, No 1, pp. 54-65, ISSN 1726-4529
4. Trifković B., Budak I., Todorović A., Vukelić Đ., Lazić V., Puškar T.: Comparative analysis on measuring performances of dental intraoral and extraoral optical 3D digitization systems, *Measurement*, 2014, Vol. 47, No 1, pp. 45-53, ISSN 0263-2241

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

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2. Ilić M., Budak I., Kosec B., Nagode A., Hodolič J.: The analysis of particles emission during the process of grinding of steel EN 90MnV8, *Metalurgija*, 2014, Vol. 53, No 2, pp. 189-192, ISSN 0543-5846, UDK: 621.92:669.1:504.5=111

### Spisak rezultata M23 - Rad u međunarodnom časopisu

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2. Sovilj-Nikić S., Delić V., Sovilj-Nikić I., Marković M.: Tree-based Phone Duration Modelling of the Serbian Language, DOI: <http://dx.doi.org/10.5755/j01.eee.20.3.4090>, *Electronics and electrical engineering*, 2014, Vol. 20, No 3, pp. 77-82, ISSN 1392-1215
3. Todorović P., Buchmeister B., Đapan M., Vukelić Đ., Milošević M., Tadić B., Radenković M.: Comparative model analysis of two types of clamping elements in dynamic conditions, *Tehnicky vjesnik - Technical Gazette*, 2014, Vol. 21, No 6, pp. 1273-1279, ISSN 1330-3651
4. Vještica S., Budak I., Kljajin M., Vukelić Đ., Milanović B., Milanković D., Hodolič J.: Model for analysis of environmental impacts of production processes in flooring industry based on LCA, *Tehnicky vjesnik - Technical Gazette*, 2014, Vol. 21, No 3, pp. 457-466, ISSN 1330-3651

### Spisak rezultata M26 - Naučna kritika i polemika u međunarodnom časopisu

1. Vukelić Đ.: About Impact Factor, *Tehnicky vjesnik - Technical Gazette*, 2014, Vol. 21, No 1, pp. 3-4, ISSN 1330-3651

### Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Vukelić Đ.: International Editorial Council, *Tehnicky vjesnik - Technical Gazette*, 2014, Vol. 21, ISSN 1330-3651

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

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

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2. Ilić M., Budak I., Hodolič J., Vukelić Đ., Puškar T.: Indoor air pollution: particulate emission and health effects on dental technicians, 20. Conference Engineering of Environment Protection - TOP2014, Bratislava: Faculty of Mechanical Engineering, 10-12 Jun, 2014, pp. 179-184, ISBN 978-80-227-4174-3

3. Kosec B., Budak I., Kosec G., Tanasić Z., Soković M.: LCA method - Useful tool in steel production industry, 10. Metallic and nonmetallic materials, Bugojno: Faculty of metallurgy and materials science, University of Zenica, 24-25 April, 2014, ISBN 978-9958-785-29-0
4. Sekulić M., Kovač P., Gostimirović M., Hadžistević M., Jurković Z.: PREDICTION OF THE MAIN CUTTING FORCE IN DRILLING BY KIENZLE EQUATION, 18. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Budimpešta: Faculty of Mechanical Engineering, 10-12 Septembar, 2014, pp. 5-18, ISBN 1840-4944
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6. Škac M., Santoši Ž., Puškar T., Mirković S., Soković M., Budak I.: Application of Different Segmentation Approaches on CB-CT Images for the Reconstruction of 3D Model of Mandible, 6. International Scientific and Expert Conference - TEAM, Kečkemet: Kecskemét College, Faculty of Mechanical Engineering and Automation, 10-11 Novembar, 2014, pp. 405-409, ISBN 978-615-5192-22-7
7. Zuperl U., Cus F., Vukelić Đ.: Computer vision as a main part of tool condition control, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: Faculty of Technical Sciences, 15-17 Oktobar, 2014, pp. 73-76, ISBN 978-86-7892-652-5

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Agarski B., Budak I., Vukelić Đ., Kosec B., Hodolić J.: Integrating subjective weighting into the life cycle impact assessment by the application of multi-criteria analysis, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 68-68, ISBN 2310-3191
2. Agarski B., Dorić J., Milanković D., Kljajin M., Antić A., Vukelić Đ.: Life Cycle Assessment of Internal Combustion Engine Constructions, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 59-60, ISBN 2310-3191
3. Budak I., Klos Z., Szita Toth K., Ticha M., Kosec B., Kozak D., Hodolić J.: CASE LCA Network: The previous and future three years, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 53-53, ISBN 2310-3191
4. Crnobrnja B., Ticha M., Hadžistević M., Santoši Ž., Hodolić J.: Implementation of type III eco-labeling programs - Can we make it friendlier for countries in transition?, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 43-43, ISBN 2310-3191
5. Hodolić J., Kiš (Kiss) F., Martinov M., Radonjanin V., Vujić G., Budak I.: Teaching of engineers in LCA: 15 years of experience at the University of Novi Sad, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC Europe., 24-26 Novembar, 2014
6. Ilić M., Ostojić R., Puškar T., Radišić M., Nikić V.: Application of LCA results as self-declared environmental claims, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC Europe, 24-26 Novembar, 2014, pp. 44-44, ISBN 2310-3191
7. Lazarević M., Ostojić G., Stankovski S., Sremčev N., Vukelić Đ.: Improvement of product disassembly and recycling process based on LCA analysis, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 62-62, ISBN 2310-3191
8. Radonić (Jakšić) J., Mihajlović I., Agarski B., Turk Sekulić M., Pap S., Đogo M., Vojinović-Miloradov M.: Application of LCA in evaluating the effects of the wastewater treatment: Case study of meat processing industry, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 65-65, ISBN 2310-3191
9. Vještica S., Hodolić J., Milanović B., Kolaković S., Vukelić Đ.: LCA of PVC floor coverings: the case study of the production stage, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 48-48, ISBN 2310-3191
10. Vojinović-Miloradov M., Milovanović M., Mihajlović I., Radonić (Jakšić) J., Agarski B.: Life Cycle Assessment for pharmaceuticals, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 61-62, ISBN 2310-3191

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Matin I., Hadžistević M., Hodolić J., Vukelić Đ.: Practical Aspects of Integration in the Developed Mold Design System., Acta Technica Corviniensis, 2014, Vol. 7, No 2, pp. 41-44, ISSN 2067-3809

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Brajljeh T., Kostevsek U., Zupančić H., Paulič M., Irgolič T., Balič J., Hadžistević M., Drstvenšek I.: Comparison of Manufacturing Technologies of Fixed Structures in Prosthetic Dentistry, *Journal of Production Engineering*, 2014, Vol. 17, No 1, pp. 67-70, ISSN 1821-4932, UDK: 621
2. Trif A., Borzan M., Rus A., Nedežki C., Agarski B.: Studies and researches on insert wear in turning process, *Journal of Production Engineering*, 2014, Vol. 17, No 1, pp. 11-15, ISSN 1821-4932
3. Župerl U., Čuš F., Irgolič T., Vukelić Đ.: Indirect tool wear measuring technique combined with optoelectronic system for automated tool condition control, *Journal of Production Engineering*, 2014, Vol. 17, No 1, pp. 47-50, ISSN 1821-4932

Spisak rezultata M53 - Rad u naučnom časopisu

1. Lanc Z., Štrbac B., Hadžistević M.: Pregled eksperimentalnih tehnika za određivanje faktora emisivnosti, *Zbornik radova Fakulteta tehničkih nauka*, 2014, No 4/2014, pp. 733-736, ISSN 0350-428X, UDK: 502.13
2. Sekulić M., Kovač P., Gostimirović M., Hadžistević M., Jurković Z.: PREDICTION OF THE MAIN CUTTING FORCE IN DRILLING BY KIENZLE EQUATION, *Journal of Trends in the Development of Machinery and Associated Technology*, 2014, Vol. 18, No 1, pp. 27-30, ISSN 2303-4009

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

1. Al-Jidah R., Agarski B., Budak I., Vilotić D., Kosec B., Hodolič J.: Monitoring i unapređenje aspekata životne sredine u toplanama, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka u Novom Sadu, 19-20 Jun, 2014, pp. 179-182, ISBN 978-86-7892-616-7
2. Antonov M., Potran M., Šokac M., Todorović A., Jevremović D., Puškar T., Trifković B.: Uređaji za instrumentalno određivanje boje zuba, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 103-108, ISBN 978-86-7892-616-7
3. Babić B., Sovilj-Nikić I., Sovilj B., Hadžistević M., Bere P.: Topografija i habanje izlazne bočne leđne površine modelskih alata, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 19-20 Jun, 2014, pp. 35-38, ISBN 978-86-7892-616-7
4. Brajljeh T., Kostevsek U., Zupančić H., Paulič M., Irgolič T., Balič J., Hadžistević M., Drstvenšek I.: Comparison of Manufacturing Technologies of Fixed Structures in Prosthetic Dentistry, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 19-20 Jun, 2014, pp. 75-78, ISBN 978-86-7892-616-7
5. Crnobrnja B., Hodolič J., Tichá M., Petru J., Budak I.: ANALIZA AKTUELNOG STANJA U OBLASTI OZNAČAVANJA O ZAŠTITI ŽIVOTNE SREDINE TIP A I PREMA STANDARDU ISO 14024, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 187-190, ISBN 978-86-7892-616-7
6. Fulea G., Borzan M., Bocanet V., Bulgaru M., Štrbac B.: Contributions to the Application of Analysis FMEA of CMM Measuring Process, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 11-14, ISBN 978-86-7892-616-7
7. Gerik G., Sovilj-Nikić I., Sovilj B., Štrbac B., Trif A., Popescu A.: Topografija i habanje ulazne bočne leđne površine modelskih alata, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 31-34, ISBN 978-86-7892-616-7
8. Ilić M., Budak I., Borzan M., Vukelić Đ., Medić V.: Emisija suspendovanih čvrstih čestica u radnoj sredini zubnih tehničara – zdravlje i bezbednost na radu, 8. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 183-186, ISBN 978-86-7892-616-7
9. Jevremović D., Trifković B., Sekulić S., Morisan-Basta I., Reljić A., Budak I., Vukelić Đ.: Primena različitih tehnoloških sistema za izradu bezmetalnih zubnih nadoknada, 8. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 99-102, ISBN 978-86-7892-616-7
10. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Puškar T., Potran M., Drstvenšek I.: Razvoj ekspertnog sistema za projektovanje simulacionog modela metalne substrukture za metalokeramičku krunicu, 8.

International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 109-114, ISBN 978-86-7892-616-7

11. Matin I., Hadžistević M., Hodolić J., Vukelić Đ., Trifković B., Potran M., Brajljić T.: Primena integrisanog sistema za precizno i brzo precizno livenje u stomatologiji, 39. Jupiter konferencija, Beograd: Mašinski fakultet, 28-29 Oktobar, 2014, pp. 91-95, ISBN 978-86-7083-838-3
12. Nemedi I., Štrbac B., Hodolić J., Stepien K., Hadžistević M.: Prikaz programa simulacije za određivanje stvarnog oblika rotacionih mernih predmeta, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 15-18, ISBN 978-86-7892-616-7
13. Santoši Ž., Šokac M., Trifković B., Til V., Budak I.: Rekonstrukcija 3D modela ljudske vilice primenom fotogrametrijske metode, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 115-118, ISBN 978-86-7892-616-7
14. Savić D., Mihajlović V., Zoraja B., Hadžistević M.: Čistija proizvodnja i bezbednost i zdravlje na radu, 11. Unapređenje sistema zaštite na radu, Prolom Banja, 15-18 Oktobar, 2014, pp. 15-22, ISBN 978-86-7892-637-2
15. Šokac M., Santoši Ž., Puškar T., Vučaj-Ćirilović V., Budak I.: Primena različitih modela segmentacije CBCT snimaka kod rekonstrukcije 3D modela donje vilice, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 119-122, ISBN 978-86-7892-616-7
16. Triff A., Borzan M., Rus A., Nedezki C., Agarski B.: Studies and Researches on Insert Wear in Turning Process, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 19-20 Jun, 2014, pp. 5-10, ISBN 978-86-7892-616-7
17. Vukman J., Hadžistević M., Hodolić J., Lukić D.: Sagledavanje mogućnosti primene STEP i STEP-NC standarda u procesu merenja, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, Departman za proizvodno mašinstvo, 19-20 Jun, 2014, pp. 39-42, ISBN 978-86-7892-616-7, UDK: 621:658.562(082)
18. Vuletić J., Marković D., Šokac M., Santoši Ž., Tadić A., Mirković S.: Ispitivanje biokompatibilnosti AM materijala za primenu u stomatološkoj protetici, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 87-90, ISBN 978-86-7892-616-7

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

1. Hodolić J., Hadžistević M., Budak I., Vukelić Đ., Agarski B.: Procena uticaja proizvodnih procesa na životnu sredinu ocenjivanjem životnog ciklusa sa ciljem unapređenja kvaliteta proizvoda i procesa, 7. InterRegioSci, Novi Sad: Pokrajinski sekretarijat za nauku i tehnološki razvoj, Vlada Autonomne Pokrajine Vojvodine, 8 Maj, 2014

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Matin I.: Modularni sistem za projektovanje alata za injekciono presovanje plastike, Novi Sad, 2014

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

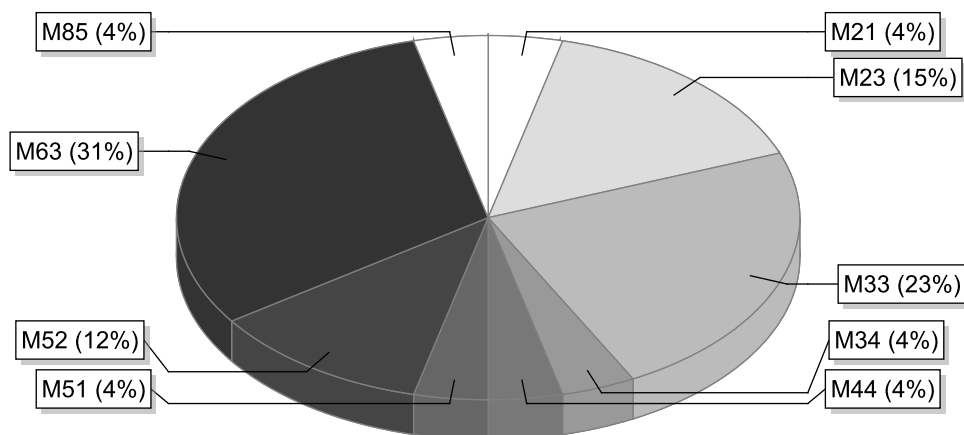
1. Antić A., Petrović B., Zeljković M., Hodolić J., Janev M.: Programsko rešenje modula za izdvajanje obeležja neuro-fazi sistema za prepoznavanje stanja pohabanosti alata, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

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

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	8
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

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

1. Živković A., Zeljković M., Tabaković S., Milojević Z.: Mathematical modeling and experimental testing of high-speed spindle behavior, *International Journal of Advanced Manufacturing Technology*, 2014, Vol. 77, No 5-8, pp. 1071-1086, ISSN 0268-3768, UDK: DOI: 10.1007/s00170-014-6

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Tabaković S., Grujić J., Zeljković M., Blagojević Z., Radojević B., Popović Z., Stanojević V.: Computer and experimental analysis of the stress state of the cement hip joint endoprosthesis body, *Vojnosanitetski pregled*, 2014, Vol. 71, No 11, pp. 1034-1039, ISSN 0042-8450
2. Tabaković S., Grujić J., Živković A., Zeljković M., Blagojević Z., Radojević B., Popović Z., Stanojević V.: Computer and experimental analysis of the stress state of the cement hip joint endoprosthesis body, *Vojnosanitetski pregled*, 2014, Vol. 71, No 11, pp. 1034-1039, ISSN 0042-8450
3. Tabaković S., Zeljković M., Milojević Z.: Automated Acquisition of Proximal Femur Morphological Characteristics, *Measurement Science Review*, 2014, Vol. 14, No 5, pp. 2850-293, ISSN 1335-8871, UDK: 10.2478/msr-2014-0039
4. Tabaković S., Živković A.: Computer and experimental analysis of the stress state of the cement hip joint endoprosthesis body, *Vojnosanitetski pregled*, 2014, Vol. 71, No 11, pp. 1034-1039, ISSN 0042-8450

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

1. Blanuša V., Zeljković M., Živković A.: The thermal elastic behavior of the cylindrical roller bearing for railway, 16. Scientific-Expert Conference on Railways - RAILCON, Niš: Faculty of Mechanical Engineering, 9-10 Oktobar, 2014, pp. 169-172, ISBN 978-86-6055-060-8
2. Blanuša V., Zeljković M.: Computer modeling of static behavior main spindle assembly with the double row cylindrical roller bearing, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Univerzity of East Sarajevo, Faculty of Mechanical Engineering, 2-5 Decembar, 2014, pp. 41-48, ISBN 978-99976-623-2-3
3. Bojanić M., Jovičić G., Zeljković M.: Ispitivanje tačnosti pozicioniranja NUMA, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Univerzitet u Istočnom Sarajevu; Mašinski fakulitet u Istočnom Sarajevu, 2-5 Decembar, 2014, pp. 49-58, ISBN 978-99976-623-2-3
4. Jovičić G., Bojanić M., Tabaković S.: Razvoj grafičkog korisničkog interfejsa- GKI za ispitivanje tačnosti pozicioniranja NUMA, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Univerzitet u Istočnom Sarajevu; Mašinski fakulitet u Istočnom Sarajevu, 2-5 Decembar, 2014, pp. 59-68, ISBN 978-99976-623-2-3
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### Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Agarski B., Dorić J., Milanković D., Kljajin M., Antić A., Vukelić Đ.: Life Cycle Assessment of Internal Combustion Engine Constructions, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 59-60, ISBN 2310-3191

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

1. Beju Dana L., Brindasu Dan P., Milojević Z., Živković A.: Design of modern rotation tools, Novi Sad, Faculty of technical sciences, 2014, ISBN 978-86-7892-642-6

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

1. Živković A., Zeljković M., Tabaković S., Blanuša V.: The analysis of the static behavior of special roller bearings with forged outer ring, *Journal for Technology of Plasticity*, 2014, Vol. 39, No 1, pp. 39-48, ISSN 0354-3870, UDK: 621.7

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2. Lukić D., Milošević M., Borojević S., Vukman J., Đurđev M.: Application of multi-criteria decision making for manufacturing process evaluation and selection, Journal of Production Engineering, 2014, Vol. 17, No 2, pp. 83-86, ISSN 1821-4932, UDK: 621
3. Mlađenović C., Kalentić N., Zeljković M., Tabaković S.: The Influence Of Milling Strategies On Roughness Of Complex Surfaces, Journal of Production Engineering, 2014, Vol. 17, No 1, pp. 51-54, ISSN 1821-4932, UDK: 621

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

1. Antić A., Milošević M., Živković A., Ungureanu N.: Uticaj habanja alata na promenu oblika segmentacije strugotine i spektra signala vibracija, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, Novi Sad, 19-20 Jun, 2014, pp. 47-50, ISBN 978-86-7892-616-7
2. Blanuša V., Zeljković M., Živković A.: Toplotno-elastično ponašanje sklopa glavnog vretena uležištenog cilindrično valjkastim ležajem primenom MKE, 39. Jupiter konferencija, Beograd: Univerzitet u Beogradu, Mašinski fakultet, 28-29 Oktobar, 2014, pp. 315-320, ISBN 978-86-7083-838-3
3. Bojanić M., Jovičić G., Tabaković S., Mlađenović C., Zeljković M.: Upporedni prikaz standarda za ispitivanje tačnosti pozicioniranja NUMA, 39. Jupiter konferencija, Beograd: Mašinski fakultet Beograd, 28-29 Oktobar, 2014, pp. 321-327, ISBN 978-86-7083-838-3
4. Bojanić M., Tabaković S., Zeljković M., Grujić J., Mlađenović C.: Određivanje konture femura na osnovu DICOM datoteke, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 557-562, ISBN 978-99955-763-3-2
5. Košarac A., Mlađenović C., Živković A.: Eksperimentalno - analitički metod za definisanje karte stabilnosti pri obradi struganjem, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 589-594, ISBN 978-99955-763-3-2
6. Lukić D., Milošević M., Jovičić G., Đurđev M.: Stanje i trend razvoja u oblasti projektovanja za izradu - DFM, 39. Jupiter konferencija, Beograd: Mašinski fakultet, 28-29 Oktobar, 2014, pp. 375-381, ISBN 978-86-7083-838-3
7. Vukman J., Hadžistević M., Hodolić J., Lukić D.: Sagledavanje mogućnosti primene STEP i STEP-NC standarda u procesu merenja, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, Departman za proizvodno mašinstvo, 19-20 Jun, 2014, pp. 39-42, ISBN 978-86-7892-616-7, UDK: 621:658.562(082)
8. Živković A., Zeljković M., Tabaković S., Bojanić M.: Određivanje veka integrisanog ležaja točka primenom EMD metode i Furijerove transformacije, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 551-556, ISBN 978-99955-763-3-2

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

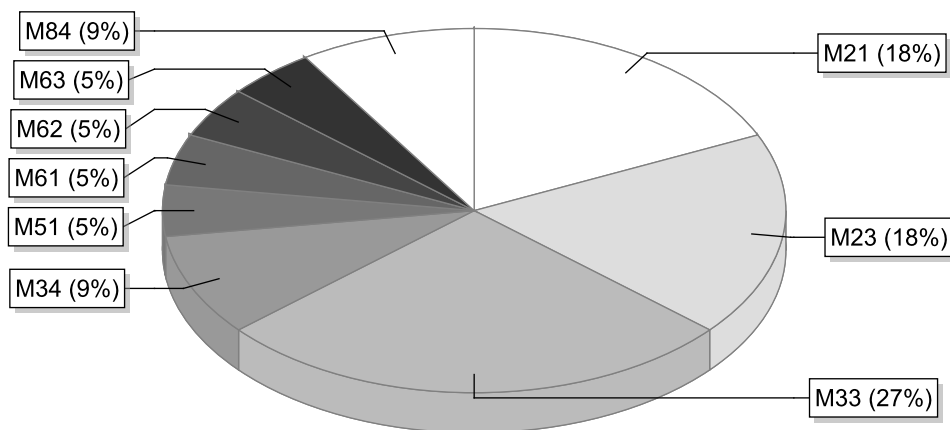
1. Antić A., Petrović B., Zeljković M., Hodolić J., Janev M.: Programsko rešenje modula za izdvajanje obeležja neuro-fazi sistema za prepoznavanje stanja pohabanosti alata, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za materijale i tehnologije spajanja

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Bitno poboljšan postojeći proizvod ili tehnologija	M84	2



## PRODUKCIJA - REZULTATI

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

1. Baloš S., Pilić B., Marković D., Pavličević J., Lužanin O.: Poly(methyl-methacrylate) nanocomposites with low silica addition, *Journal of Prosthetic Dentistry*, 2014, Vol. 111, No 4, pp. 327-334, ISSN 0022-3913
2. Eric Cekic O., Šiđanin (Sidjanin) L., Rajnović D., Baloš S.: Austempering kinetics of Cu-Ni alloyed austempered ductile iron, *Metals and Materials International*, 2014, Vol. 20, No 6, pp. 1131-1138, ISSN 1598-9623
3. Pavličević J., Špirkova M., Bera O., Jovičić M., Pilić B., Baloš S., Budinski-Simendić J.: The influence of ZnO nanoparticles on thermal and mechanical behavior of polycarbonate-based polyurethane composites, *Composites: Part B: Engineering*, 2014, Vol. 60, pp. 673-679, ISSN 1359-8368
4. Vilotić D., Alexandrov S., Šiđanin (Sidjanin) L., Vilotić M.: The influence of torsional and tensile pre-straining on the validity of ductile fracture criteria, *International Journal of Damage Mechanics*, 2014, Vol. 23, No 1, pp. 63-82, ISSN 1056-7895

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Baloš S., Šiđanin (Sidjanin) L., Pilić B.: Indentation size effect in autopolimerized and microwave post treated Poly(Methyl-methacrylate) denture relines, *Acta Polytechnica Hungarica*, 2014, Vol. 11, No 7, pp. 239-249, ISSN 1785-8860
2. Baloš S., Šiđanin (Sidjanin) L.: Effect of tunneling defects on the joint strength efficiency, *Materiali in Tehnologije*, 2014, Vol. 48, No 4, pp. 491-496, ISSN 1580-2949
3. Vrac D., Šiđanin (Sidjanin) L., Baloš S.: The effect of honing speed and grain size on surface roughness and material removal rate during honing, *Acta Polytechnica Hungarica*, 2014, Vol. 11, No 10, pp. 163-175, ISSN 1785-8860
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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Kraišnik M., Vilotić D., Šiđanin (Sidjanin) L., Petrović Ž., Šljivić M., Stefanović M.: Morphology of steel C45E microstructure during upsetting, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina, 2-5 Decembar, 2014, pp. 161-168, ISBN 978-99976-623-1-6
2. Kraišnik M., Vilotić D., Šiđanin (Sidjanin) L., Stefanović M.: Various approaches to defining the criteria of ductile crack in cold bulk forming processes, 4. International Conference Industrial Engineering and Environmental Protection - IIZS, Zrenjanin, 30 Septembar, 2014, pp. 111-118, ISBN 978-86-7672-234-1
3. Krčmar D., Baloš S., Dalmacija B., Prica M., Tričković J., Rončević S., Maletić S.: Mechanical properties of thermally stabilized sediment-clay mixtures, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad, 19-20 Jun, 2014, pp. 153-156
4. Rajnović D., Eric Cekic O., Labus D., Dramićanin M., Baloš S., Šiđanin (Sidjanin) L.: The microstructure characterization of unalloyed austempered ductile iron, 18. International Microscopy Congress - IMC, Prague, 7-12 Septembar, 2014, pp. 1-2, ISBN 978-80-260-6720-7
5. Štrbac D., Šiđanin (Sidjanin) L., Lukić-Petrović S.: Measurement of hardness of Cu(AsSe<sub>1.4</sub>IO<sub>2</sub>)<sub>100-x</sub> thin amorphous films by microindentation, 12. 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Physical Chemistry 2014, Beograd, 22-26 Septembar, 2014, pp. 655-658
6. Vilotić M., Šiđanin (Sidjanin) L., Jeng Y., Alexandrov S., Kakaš D.: TEM study of low carbon steel subjected to severe plastic deformation by multistage compression, 18. International Microscopy Congress - IMC, Prague: Czechoslovak Microscopy Society, 7-12 Septembar, 2014, pp. 1-2, ISBN 978-80-260-6720-7

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

1. Rudić O., Rajnović D., Vučetić S., Čjepa D., Ranogajec J.: Durability investigation of porous mineral substrates with newly designed TiO<sub>2</sub>-ZnAl LDH coatings, 5. European Chemistry Congress - EuCheMS, Istanbul, 31-4 Avgust, 2014, pp. 765-765
2. Vilotić M., Kakaš D., Alexandrov S., Šiđanin (Sidjanin) L., Jeng Y.: Grain Size Refinement of Carbon Steel by V-Shape Dies Compression, 12. International Conference on Nanostructured Materials - NANO, Moskva, 13-18 Jul, 2014

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

1. Kovač P., Savković B., Šiđanin (Sidjanin) L., Lukač O., Mankova I.: THE INFLUENCE OF MATERIAL MICROSTRUCTURE ON THE CHIP FORMING PROCESS, Contemporary Materials, 2014, Vol. 5, No 1, pp. 69-76, ISSN 1986-8669, UDK: UDK 621.9.01:669

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

1. Papović M., Baloš S., Šiđanin (Sidjanin) L., Rajnović D.: Smanjenje olovljenja unutrašnje trase cevi oružja, 20. Konferencija o međulaboratorijskim ispitivanjima materijala, Kragujevac: Komitet za međulaboratorijska ispitivanja materijala, 17-19 Septembar, 2014, pp. 43-48, ISBN 978-86-911831-6-5

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1. Šiđanin (Sidjanin) L.: Karakterizacija mikrostrukture na bazi železa, 10. Savetovanje o međulaboratorijskim ispitivanjima materijala, Vrnjačka Banja: Komitet za međulaboratorijska ispitivanja materijala, 1-3 Septembar, 2004, pp. 1-1

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

1. Lainović T., Ivanišević A., Blažić L., Vilotić D., Gerić K.: Ispitivanje mehaničkih osobina stomatoloških nanokompozita na bazi polimernih smola., 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 19-20 Jun, 2014, pp. 79-82, ISBN 978-86-7892-616-7, UDK: 621\_658.562(082); 502.175(082)

Spisak rezultata M84 - Bitno poboljšani postojeći proizvod ili tehnologija

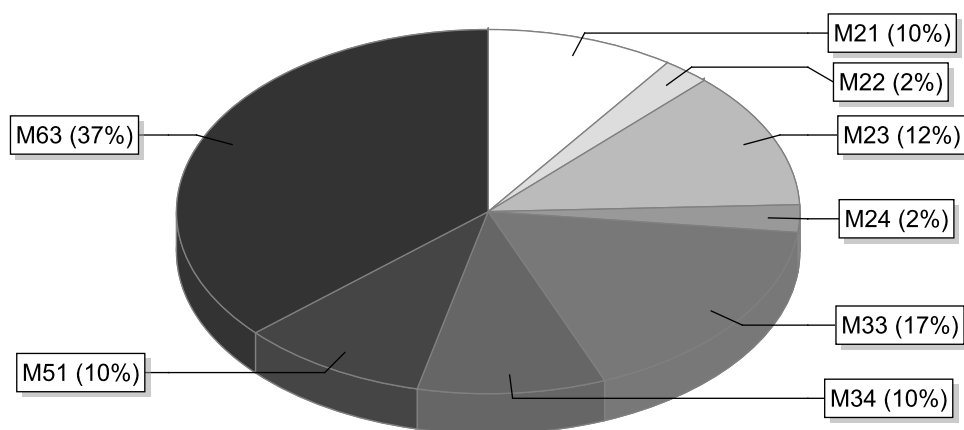
1. Baloš S., Rajnović D., Šiđanin (Sidjanin) L., Dramićanin M., Labus D., Erić Cekić O.: Postupak proizvodnje nelegiranih ADI materijala sa poboljšanom otpornošću na abrazivno habanje, 2014
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije oblikovanjem i inženjerstvo površina

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	5
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Rad u vodećem časopisu nacionalnog značaja	M51	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	15



## PRODUKCIJA - REZULTATI

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

1. Baloš S., Pilić B., Marković D., Pavličević J., Lužanin O.: Poly(methyl-methacrylate) nanocomposites with low silica addition, *Journal of Prosthetic Dentistry*, 2014, Vol. 111, No 4, pp. 327-334, ISSN 0022-3913
2. Miletić A., Panjan P., Škorić B., Čekada M., Dražić G., Kovač J.: Microstructure and mechanical properties of nanostructured Ti-Al-Si-N coatings deposited by magnetron sputtering, *Surface and Coatings Technology*, 2014, Vol. 241, pp. 105-111, ISSN 0257-8972
3. Tjalu Š., Stach S., Lainović T., Vilotić M., Blažić L., Florin Alb S.: Surface roughness and morphology of dental nanocomposites polished by four different procedures evaluated by a multifractal approach, *Applied Surface Science*, 2014, ISSN 0169-4332
4. Vilotić D., Alexandrov S., Šiđanin (Sidjanin) L., Vilotić M.: The influence of torsional and tensile pre-straining on the validity of ductile fracture criteria, *International Journal of Damage Mechanics*, 2014, Vol. 23, No 1, pp. 63-82, ISSN 1056-7895

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

1. Baloš S., Pilić B., Marković D., Pavličević J., Lužanin O.: PMMA nanocomposites with low silica addition, *Journal of Prosthetic Dentistry*, 2014, Vol. 111, pp. 327-334, ISSN 0022-3913

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Alexandrov S., Vilotić M., Jeng Y., Plančak M.: A study on material workability by upsetting of non-axisymmetric specimens by flat dies, *Journal of Mechanics*, 2014, Vol. 30, No 6, pp. 585-592, ISSN 1727-7191
2. Kovačević L., Terek P., Miletić A., Kakaš D.: Dependence of interfacial heat transfer coefficient on casting surface temperature during solidification of Al-Si alloy castings cast in CO<sub>2</sub> sand mold, *Heat and Mass Transfer*, 2014, Vol. 50, No 8, pp. 1115-1124, ISSN 0947-7411
3. Lužanin O.: Hand gesture recognition using low-budget data glove and cluster-trained probabilistic neural network, *Assembly Automation*, 2014, Vol. 34, No 1, pp. 94-105, ISSN 0144-5154
4. Miletić A., Terek P., Kovačević L., Vilotić M., Kakaš D., Škorić B., Kukuruzović D.: Influence of substrate roughness on adhesion of TiN coatings, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 2014, Vol. 36, No 2, pp. 293-299, ISSN 1678-5878
5. Milutinović M., Vilotić D., Pepelnjak T.: PART DIMENSIONAL ERRORS IN FREE UPSETTING DUE TO THE ELASTIC SPINGBACK, *Tehnicki vjesnik - Technical Gazette*, 2014, Vol. 121, No 1(2014), pp. 135-140, ISSN 1330-3651, UDK: 620.172.22/.23:539.388.2

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

1. Bajac B., Vukmirović J., Tripković Đ., Đurđić E., Stanojević J., Cvejić Ž., Škorić B., Srdić V.: Structural characterization and dielectric properties of BaTiO<sub>3</sub> thin films obtained by spin coating, *Processing and Application of Ceramics Journal*, 2014, Vol. 8, No 4, pp. 219-224, ISSN 1820-6131

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

1. Ivanišević A., Lainović T., Blažić L., Vilotić M.: Influence of light-curing mode on the mechanical properties of dental resin nanocomposites, 24. DAAAM International Symposium, Zadar: *Procedia Engineering*, 23-26 Oktobar, 2013, pp. 921-930, ISBN 1877-7058
2. Krajšnik M., Vilotić D., Šiđanin (Sidjanin) L., Petrović Ž., Šljivić M., Stefanović M.: Morphology of steel C45E microstructure during upsetting, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina, 2-5 Decembar, 2014, pp. 161-168, ISBN 978-99976-623-1-6
3. Krajšnik M., Vilotić D., Šiđanin (Sidjanin) L., Stefanović M.: Various approaches to defining the criteria of ductile crack in cold bulk forming processes, 4. International Conference Industrial Engineering and Environmental Protection - IIZS, Zrenjanin, 30 Septembar, 2014, pp. 111-118, ISBN 978-86-7672-234-1
4. Lainović T., Blažić L., Kukuruzović D., Vilotić M., Ivanišević A., Kakaš D.: Effect of Diamond Paste Finishing on Surface Topography and Roughness of Dental Nanohybrid Composites – AFM Analysis, 24. DAAAM International Symposium, Zadar: *Procedia Engineering*, 23-26 Oktobar, 2013, pp. 945-951
5. Lainović T., Blažić L., Vilotić M., Kukuruzović D., Kakaš D.: Determination of AFM surface roughness parameters and topography of contemporary dental nanocomposites after artificial saliva storage, 18. International Microscopy Congress - IMC, Prague: Czechoslovak Microscopy Society, 7-12 Septembar, 2014, pp. 1-2, ISBN 978-80-260-6720-7

- Vilotić M., Lainović T.: Ispitivanje mehaničkih osobina stomatoloških nanokompozita na bazi polimernih smola, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad, 19-20 Jun, 2014, pp. 71-75, ISBN 978-86-7892-616-7
- Vilotić M., Šidjanin (Sidjanin) L., Jeng Y., Alexandrov S., Kakaš D.: TEM study of low carbon steel subjected to severe plastic deformation by multistage compression, 18. International Microscopy Congress - IMC, Prague: Czechoslovak Microscopy Society, 7-12 Septembar, 2014, pp. 1-2, ISBN 978-80-260-6720-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

- Lainović T., Blažić L., Vilotić M., Kukuruzović D., Kakaš D.: Determination of AFM surface roughness parameters and topography of contemporary dental nanocomposites after artificial saliva storage, 18. International Microscopy Congress - IMC, Prague, 7-12 Septembar, 2014
- Lainović T., Blažić L., Vilotić M., Kukuruzović D., Kakaš D.: Surface characteristics of contemporary dental restorative resin-based nanofilled and microhybrid composites – AFM and SEM study, 12. International Conference on Nanostructured Materials - NANO, Moskva, 13-18 Jul, 2014
- Lainović T., Blažić L., Vilotić M., Vukadinov T., Kakaš D.: The effect of polishing procedure on surface texture of dental nanohybrid composites – AFM analysis, 19. Congress of the Balkan Stomatological Society, Beograd, 2014
- Vilotić M., Kakaš D., Alexandrov S., Šidjanin (Sidjanin) L., Jeng Y.: Grain Size Refinement of Carbon Steel by V-Shape Dies Compression, 12. International Conference on Nanostructured Materials - NANO, Moskva, 13-18 Jul, 2014

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

- Ivanišević A., Lainović T., Blažić L., Vilotić M.: Influence of light-curing mode on the mechanical properties of dental resin nanocomposites, *Procedia Engineering*, 2014, Vol. 69, pp. 921-930, ISSN 1877-7058
- Lendel R., Milutinović M., Ivanišević A., Vilotić D., Movrin D., Skakun (Francuski) P.: SINGLE POINT INCREMENTAL FORMING OF LARGESIZE COMPONENTS, *Journal for Technology of Plasticity*, 2014, Vol. 39, No 1, pp. 59-68, ISSN 0354-3870
- Milutinović M., Lendel R., Potran M., Vilotić D., Skakun (Francuski) P., Plančak M.: Application of single point incremental forming for manufacturing of denture base, *Journal for Technology of Plasticity*, 2014, Vol. 39, No 2, pp. 15-24, ISSN 0354-3870
- Movrin D., Ivanišević A., Kačmarčik I., Lainović T., Spasić A., Blažić L.: Influence of secondary reconstruction on rapid prototyping tooth model accuracy, *Journal for Technology of Plasticity*, 2014, Vol. 39, No 2, pp. 15-25, ISSN 0354-3870, UDK: 621.7

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

- Al-Jidah R., Agarski B., Budak I., Vilotić D., Kosec B., Hodolić J.: Monitoring i unapređenje aspekata životne sredine u toplanama, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka u Novom Sadu, 19-20 Jun, 2014, pp. 179-182, ISBN 978-86-7892-616-7
- Doroslovački R., Kovačević I., Vilotić D., Kolaković S., Šešlija D., Katić V.: Osnovi metodologije realizacije nastave na visoko školskim ustanovama, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 17-21, ISBN 978-86-7892-594-8
- Ivanišević A., Movrin D., Kačmarčik I.: PRIKAZ METODOLOGIJE MODELIRANJA NEGATIVA BAZE PROTEZE, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of Technical Science, 19-20 Jun, 2014, pp. 127-130, ISBN 978-86-7892-616-7
- Katić V., Kolaković S., Šešlija D., Kovačević I., Doroslovački R., Vilotić D.: Motivacioni instrumenti u naučnoj produkciji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 349-353, ISBN 978-86-7892-594-8
- Kolaković S., Doroslovački R., Kovačević I., Katić V., Vilotić D., Šešlija D., Vidicki P.: Evaluacija ESP bodova na srpskim univerzitetima, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 116-121, ISBN 978-86-7892-594-8
- Kovačević I., Doroslovački R., Vilotić D., Šešlija D., Katić V., Kolaković S.: Uspešnost bolonjskog procesa u Republici Srbiji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 341-345, ISBN 978-86-7892-594-8
- Lainović T., Ivanišević A., Blažić L., Vilotić D., Gerić K.: Ispitivanje mehaničkih osobina stomatoloških nanokompozita na bazi polimernih smola., 9. International Scientific Conference "Metrology and Quality in

Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 19-20 Jun, 2014, pp. 79-82, ISBN 978-86-7892-616-7, UDK: 621\_658.562(082); 502.175(082)

8. Lenđel R., Vilotić D., Skakun (Francuski) P.: Reološki proračun kalupa za injekciono presovanje maske elektro-prekidača, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka Novi Sad, 19-20 Jun, 2014, pp. 27-30
9. Movrin D., Kačmarčik I., Ivanišević A., Plančak M., Spasić A.: PRIMENA SLS/DMLS TEHNOLOGIJA U IZRADI DENTALNIH NADOKNADA, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of Technical Science, 19-20 Jun, 2014, pp. 131-134, ISBN 978-86-7892-616-7
10. Movrin D., Kačmarčik I., Ivanišević A., Plančak M., Spasić A.: Primena SLS/DMLS tehnologija u izradi dentalnih nadoknada, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, Novi Sad, 19-20 Jun, 2014, pp. 131-134, ISBN 978-86-7892-616-7
11. Plančak M., Kačmarčik I., Ivanišević A.: TUBE HYDROFORMING – PLAUSIBLE ALTERNATIVE IN THE PRODUCTION OF LIGHT WEIGHT COMPONENTS, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Faculty of technical science, 19-20 Jun, 2014, pp. 43-46, ISBN 978-86-7892-616-7
12. Potran M., Milutinović M., Milekić B., Trifković B., Puškar T.: Ispitivanje mehaničkih karakteristika akrilatnih materijala za primenu u stomatološkoj protetici, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka, 19-20 Jun, 2014, pp. 91-94, ISBN 978-86-7892-616-7
13. Skakun (Francuski) P., Milutinović M., Vilotić D., Lenđel R.: Mogućnost izrade dentalnih komponenti metodom inkrementalnog deformisanja lima, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: Fakultet tehničkih nauka Novi Sad, 19-20 Jun, 2014, pp. 123-126
14. Šešlija D., Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Vidicki P.: Razvoj metoda za procenu vrednosti ESPB bodova, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 111-116, ISBN 978-86-7892-594-8
15. Vilotić D., Doroslovački R., Kovačević I., Katić V., Kolaković S., Šešlija D.: Visoko obrazovanje u funkciji potreba tržišta rada, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 63-68, ISBN 978-86-7892-594-8

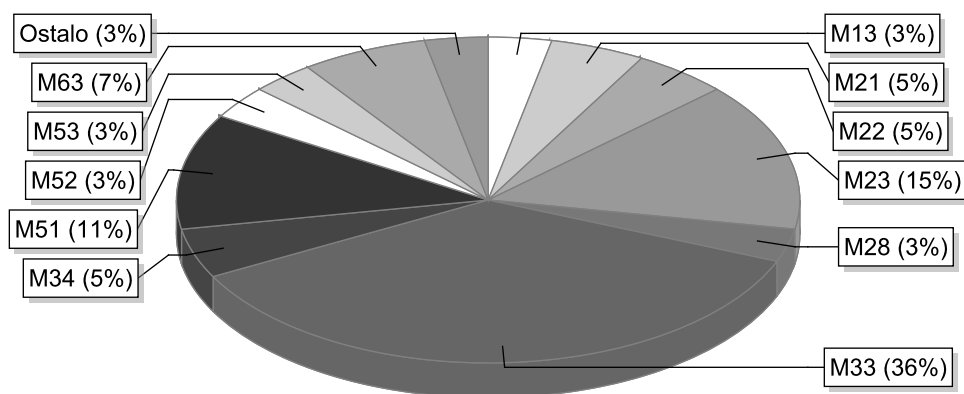


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za mehanizaciju i konstrukciono mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	3
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	9
Uređivanje međunarodnog naučnog časopisa	M28	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	22
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	7
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Odbranjena doktorska disertacija	M71	1

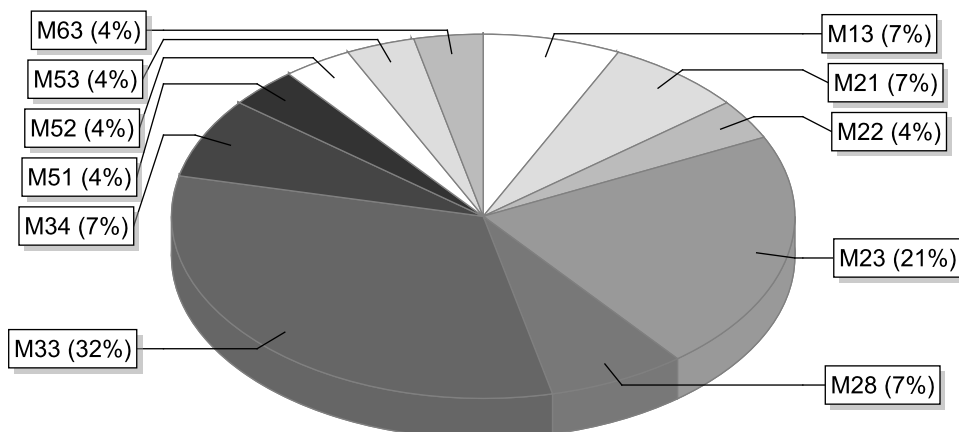


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske konstrukcije, transportne sisteme i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	6
Uređivanje međunarodnog naučnog časopisa	M28	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



## PRODUKCIJA - REZULTATI

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

1. Kovačić I., Rand R.: Duffing-type oscillators with amplitude-independent period. In: Applied Non-Linear Dynamical Systems, Springer Proceedings in Mathematics & Statistics, Volume 93 2014 (Editor: Jan Awrejcewicz), 2014, str. 1-10, ISBN 978-3-319-08265-3
2. Kovačić I.: On the use of special functions for studying truly nonlinear conservative oscillators, In 'Contemporary Mathematics' book series, Mathematics of Discrete and Continuous Dynamical Systems, Edited by: Abba Gume, American Mathematical Society, 2014, str. 281-298, UDK: Article ID: CONM12344

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

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2. Kovačić I.: On some performance characteristics of base excited vibration isolation systems with a purely nonlinear restoring force, International Journal of Non-linear Mechanics, 2014, Vol. 65, pp. 44-52, ISSN 0020-7462

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Živanić D., Vujić G., Kosec B., Stoić A.: Material flow enhancement in production assembly lines under application of zoned order picking systems, Metalurgija, 2014, Vol. 53, No 4, pp. 681-684, ISSN 0543-5846, UDK: 658.527:004.9=111

Spisak rezultata M23 - Rad u međunarodnom časopisu

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2. Radomirović D., Kovačić I.: On the equivalent systems for concurrent springs and dampers - Part 1: small in-plane oscillations, Proceedings of the Institution of Mechanical Engineers. Part C: Journal of Mechanical Engineering Science, 2014, Vol. 228, No 14, pp. 2520-2531, ISSN 0954-4062
3. Radomirović D., Kovačić I.: On the equivalent systems for concurrent springs and dampers - Part 2: small out-of-plane oscillations
4. Zuber N., Rusmir B., Šostakov R.: Gearbox Faults Identification Using Vibration Signal Analysis and Artificial Intelligence Methods, Eksploatacija i Niezawodnosc – Maintenance and Reliability, 2014, Vol. 16, No 1, pp. 61-65, ISSN 1507-2711
5. Zuber N., Rusmir B., Šostakov R.: Relations Between Pulverizing Process Parameters and Beater Wheel Mill Vibration for Predictive Maintenance Program Setup, Eksploatacija i Niezawodnosc – Maintenance and Reliability, 2014, Vol. 16, No 1, pp. 158-163, ISSN 1507-2711
6. Živanić D., Dzinčić I.: The influence of fit on the distribution of glue in oval tenon/mortise joint, Wood Research, 2014, Vol. 59, No 2, pp. 297-302, ISSN 1336-4561

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Kovačić I.: Book Review & Reviews Articles Editor, Journal of Mechanical Engineering Science (Part C of the Proceeding of the Institution of Mechanical Engineers, 2014
2. Kovačić I.: Subject Editor for Nonlinear Oscillations in Journal of Sound and Vibration

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Đokić R., Jovanović V., Janošević D., Pavlović J.: Software development for optimal synthesis of slewing platform drive mechanism of mobile machine, 5. Transport and Logistics - TIL, Niš: Mašinski fakultet Niš, 5-6 Jun, 2014, pp. 109-112, ISBN 978-86-6055-053-0
2. Stevanov B., Tešić Z., Georgijević M., Bojić S.: Integration of transport and logistic services on inland waterways, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad, 15-17 Oktobar, 2014, pp. 125-128, ISBN 978-86-7892-652-5
3. Šostakov R., Zelić A., Zuber N., Ličen H., Szabó L.: Defining the loadings due to bridge crane skewing during travelling, according to EN 15 011 - Calculation rigid method, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of Technical Sciences, 12-15 Jun, 2014, pp. 75-78, ISBN 978-86-7892-615-0

4. Šostakov R., Zelić A., Zuber N., Ličen H.: Skewing loadings in the scope of material fatigue phenomena of crane structure and travelling mechanism components, 5. Transport and Logistics - TIL, Niš: Faculty of Mechanical Engineering, 5-6 Jun, 2014, pp. 101-104, ISBN 978-86-6055-053-0
5. Vladić J., Đokić R., Gajić A., Živanić D.: Numerical Analysis of elevator ropes vibration with time varying length, 8. Heavy Machinery-HM, Zlatibor: Fakultet za mašinstvo i građevinarstvo u Kraljevu, 25-28 Jun, 2014, pp. 119-124, ISBN 978-86-82631-74-3
6. Vladić J., Đokić R., Jovanović V., Živanić D.: Simulations of elevator cabins lifting and dynamic models, 5. Transport and Logistics - TIL, Niš: Mašinski fakultet Niš, 5-6 Jun, 2014, pp. 69-73, ISBN 978-86-6055-053-0
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Bojić S., Georgijević M., Brčanov D.: TRANSFORMATION OF THE DANUBE PORTS INTO LOGISTICS CENTERS AND THEIR INTEGRATION IN THE EU LOGISTICS NETWORK, 1. Transport Research Arena, Pariz, 14-17 April, 2014
2. Georgijević M., Bojić S.: Innovative concept of software for networking information flows at Danube ports, 7. International Conference on Logistics and Sustainable Transport, Celje, 24-26 Jun, 2010

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Kovačić I.: On the motion of a two blade system with a non-linear spring, Theoretical and Applied Mechanics, 2014, Vol. 41, No S1, pp. 83-92, ISSN 1450-5584, UDK: 531:517.951:

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

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Spisak rezultata M53 - Rad u naučnom časopisu

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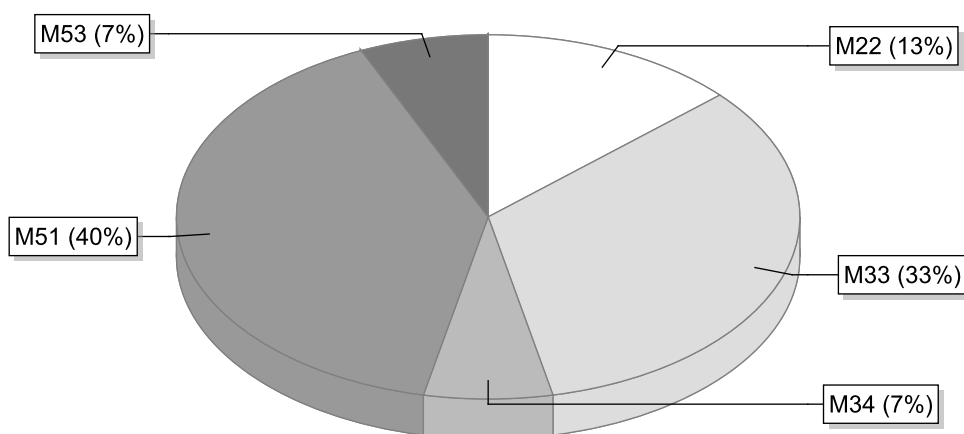
1. Šostakov R., Zelić A.: Bezbednost u radu sa dizalicama i regulativa u Srbiji (Usvojen Pravilnik o bezbednosti mašina - Šta dalje?), 11. Unapređenje sistema zaštite na radu, Prolom Banja: Fakultet tehničkih nauka, 15-18 Oktobar, 2014, pp. 46-55

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za motore i vozila

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	5
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	6
Rad u naučnom časopisu	M53	1



## PRODUKCIJA - REZULTATI

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

1. Dorić J., Klinar I.: Efficiency of a new IC engine concept with variable piston motion, Thermal Science - International Scientific Journal, 2014, Vol. 18, No 1, pp. 113-127, ISSN 0354-9836, UDK: 651
2. Ružić D., Bikić S.: An Approach To Modelling A Virtual Thermal Manikin, DOI:10.2298/TSCI130115115R, Thermal Science - International Scientific Journal, 2014, Vol. 18, No 4, pp. 1413-1423, ISSN 0354-9836

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

1. Adamović D., Vojinović-Miloradov M., Dorić J., Adamović (Majkić) S., Mihajlović I.: Benzene Emission During NEDC, 20. 20th International Symposium on Analytical and Environmental Problems, Szeged: SZAB Kémiai Szakbizottság Analitikai és Környezetvédelmi Munkabizottsága, 22 Septembar, 2014, pp. 102-105, ISBN 978-963-12-1161-0
2. Dorić J., Klinar I.: Modelling of Internal Combustion Engine with Longer Piston dwell, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of Technical Sciences, 12-15 Jun, 2014, pp. 101-105, ISBN 978-86-7892-615-0, UDK: 658.512.2
3. Poznić A.: Experimental evaluation of magnetorheological disk brake, 3. International Congress Motor Vehicles and Motors, Kragujevac: Fakultet inženjerskih nauka Kragujevac, 7-9 Oktobar, 2010, ISBN 978-86-6335-010-6
4. Ružić D.: Comparison of different air vents arrangements in a tractor cab using the CFD techniques, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: FTN Novi Sad, 12-15 Jun, 2014, pp. 97-104, ISBN 978-86-7892-615-0
5. Stojić B., Poznanović N., Poznić A.: TEST FACILITY FOR INVESTIGATIONS OF QUASISTATIC ENVELOPING BEHAVIOR OF TRACTOR TIRE, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred, 12-15 Jun, 2014, pp. 89-92

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

1. Agarski B., Dorić J., Milanković D., Kljajin M., Antić A., Vukelić Đ.: Life Cycle Assessment of Internal Combustion Engine Constructions, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 59-60, ISBN 2310-3191

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

1. Dorić J., Klinar I.: Mogućnosti unapređenja traktorskih motora kroz primenu dezaksijalnih klipnih mehanizama, Traktori i pogonske mašine, 2014, Vol. 19, No 3, pp. 49-56, ISSN 0354-9496, UDK: 629.06
2. Dorić J., Klinar I.: Motori sa unutrašnjim sagorevanjem konstantne snage, Traktori i pogonske mašine, 2014, Vol. 19, No 3, pp. 57-64, ISSN 0354-9496, UDK: 629.06
3. Dorić J., Klinar I.: Numerička analiza uticaja antifrikcionih prevlaka na efikasnost traktorskih dizel motora, Traktori i pogonske mašine, 2014, Vol. 19, No 3, pp. 65-71, ISSN 0354-9496, UDK: 629.06
4. Dragosavljević V., Dorić J.: Uticaj režima rada na habanje letećih rukavaca kolenastog vratila motora SUS, Traktori i pogonske mašine, 2014, Vol. 19, No 3, pp. 72-78, ISSN 0354-9496, UDK: 629.06
5. Ružić D.: Numerical Simulation of Tractor Operator Thermal Loads Caused by Solar Radiation, Poljoprivredna tehnika, 2014, Vol. 39, No 1, pp. 1-8, ISSN 0554-5587, UDK: 629.06
6. Ružić D.: Uticaj načina razvođenja vazduha na toplotni osećaj u traktorskoj kabini, Traktori i pogonske mašine, 2014, Vol. 19, No 3, pp. 29-37, ISSN 0354-9496, UDK: 629.06

### Spisak rezultata M53 - Rad u naučnom časopisu

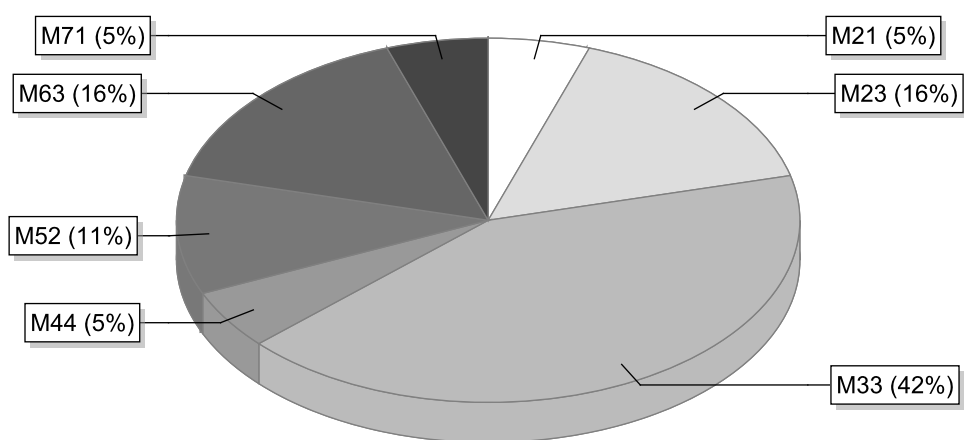
1. Ružić D.: Problems in Investigation of Causes of Rebuilt Diesel Engines Premature Failures, Tehnicka dijagnostika, 2014, Vol. 13, No 2, pp. 12-18, ISSN 1451-1975, UDK: 62(497.11)

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske elemente, teoriju mašina i mehanizama

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u časopisu nacionalnog značaja	M52	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

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

1. Živković A., Zeljković M., Tabaković S., Milojević Z.: Mathematical modeling and experimental testing of high-speed spindle behavior, International Journal of Advanced Manufacturing Technology, 2014, Vol. 77, No 5-8, pp. 1071-1086, ISSN 0268-3768, UDK: DOI: 10.1007/s00170-014-6

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kuzmanović S., Vereš M., Rackov M.: Possible Ways of Reducing the Number of Gears in Universal Gear Units, Transactions of FAMENA, Zagreb, 2014, Vol. 38, No 1, pp. 77-86, ISSN 1333-1124
2. Rackov M., Milovančević M., Kanović Ž., Vereš M., Rafa K., Banić M., Miltenović A.: Optimization of HCR Gearing Geometry Using Generalized Particle Swarm Optimization Algorithm, Tehnicki vjesnik - Technical Gazette, 2014, Vol. 21, No 4(2014), pp. 723-732, ISSN 1330-3651, UDK: 681.833.1:519.254
3. Tabaković S., Zeljković M., Milojević Z.: Automated Acquisition of Proximal Femur Morphological Characteristics, Measurement Science Review, 2014, Vol. 14, No 5, pp. 2850-293, ISSN 1335-8871, UDK: 10.2478/msr-2014-0039

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

1. Bojanić M., Jovičić G., Zeljković M.: Ispitivanje tačnosti pozicioniranja NUMA, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Univerzitet u Istočnom Sarajevu; Mašinski fakultet u Istočnom Sarajevu, 2-5 Decembar, 2014, pp. 49-58, ISBN 978-99976-623-2-3
2. Jovičić G., Bojanić M., Tabaković S.: Razvoj grafičkog korisničkog interfejsa- GKI za ispitivanje tačnosti pozicioniranja NUMA, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: Univerzitet u Istočnom Sarajevu; Mašinski fakultet u Istočnom Sarajevu, 2-5 Decembar, 2014, pp. 59-68, ISBN 978-99976-623-2-3
3. Krajcovic A., Vereš M., Rackov M., Kuzmanović S.: Contribution to the Study of HCR Gearing Properties From Warm Scuffing Damage Point of View, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: University of Novi Sad, Faculty of Technical Sciences, Serbia / Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Slovakia, 12-15 Jun, 2014, pp. 171-176, ISBN 978-86-7892-615-0
4. Kuzmanović S., Rackov M., Knežević I., Rafa K., Tica M.: Possibilities of Increasing Efficiency of Mechanical Transmissions, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfured: University of Novi Sad, Faculty of Technical Sciences, Serbia / Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Slovakia, 12-15 Jun, 2014, pp. 207-210, ISBN 978-86-7892-615-0
5. Kuzmanović S., Rackov M., Vereš M.: Osnovne odlike savremenih bezazornih prenosnika, 2. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Jahorina: University of East Sarajevo, Faculty of Mechanical Engineering, East Sarajevo, 2-5 Decembar, 2014, pp. 443-450, ISBN 978-99976-623-1-6
6. Kuzmanović S., Vladić G., Rackov M.: NEW AND CREATIVE PRODUCT IDEA GENERATION, ASSOCIATION METHOD, 7. INTERNATIONAL Symposium on Graphic Engineering and Design GRID, Novi Sad: FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN, 13-14 Novembar, 2014, pp. 467-471, ISBN 78-86-7892-645-7
7. Penčić M., Čavić M., Borovac B.: Development of the Planetary Gear for Humanoid Robots, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: Faculty of Technical Sciences, Department of Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 81-86, ISBN 978-86-7892-652-5
8. Rafa K., Rackov M., Knežević I.: Improvement of Business Processes in Production System Concerning Repair and Installation of Brake Systems for Rail Vehicles, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 41-44, ISBN 978-86-7892-652-5

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

1. Beju Dana L., Brindasu Dan P., Milojević Z., Živković A.: Design of modern rotation tools, Novi Sad, Faculty of technical sciences, 2014, ISBN 978-86-7892-642-6

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

1. Krajcovic A., Vereš M., Rackov M., Kuzmanović S.: Contribution to the Study of HCR Gearing Properties



From Warm Scuffing Damage Point of View, Machine Design, 2014, Vol. 6, No 4, pp. 121-126, ISSN 1821-1259

2. Šostakov R., Zelić A., Knežević I., Zuber N., Rafa K.: Application of Rigid Method for Determining the Skewing Forces on Bridge Cranes and Trolleys according to EN 15011, Machine Design, 2014, Vol. 6, No 2, pp. 59-62, ISSN 1821-1259

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

1. Bojanić M., Jovičić G., Tabaković S., Mlađenović C., Zeljković M.: Usporedni prikaz standarda za ispitivanje tačnosti pozicioniranja NUMA, 39. Jupiter konferencija, Beograd: Mašinski fakultet Beograd, 28-29 Oktobar, 2014, pp. 321-327, ISBN 978-86-7083-838-3
2. Bojanić M., Tabaković S., Zeljković M., Grujić J., Mlađenović C.: Određivanje konture femura na osnovu DICOM datoteke, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 557-562, ISBN 978-99955-763-3-2
3. Živković A., Zeljković M., Tabaković S., Bojanić M.: Određivanje veka integrisanog ležaja točka primenom EMD metode i Furijerove transformacije, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 551-556, ISBN 978-99955-763-3-2

Spisak rezultata M71 - Odbranjena doktorska disertacija

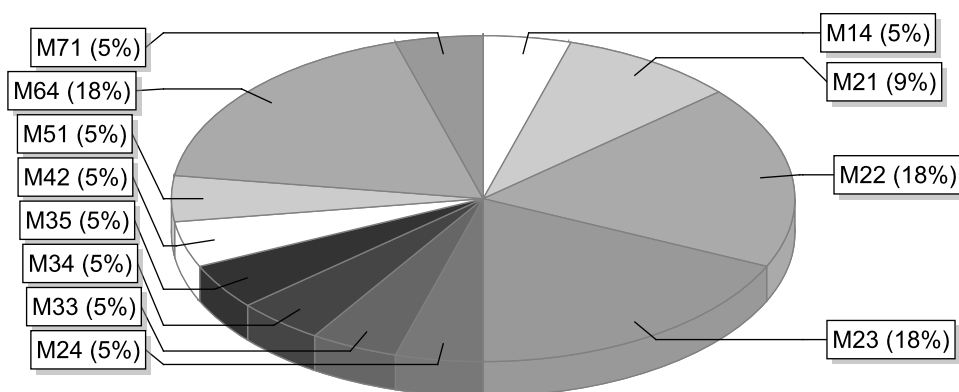
1. Rackov M.: Optimization of HCR Gearing Geometry from Scuffing Point of View, Bratislava, Slovački tehnički univerzitet u Bratislavi, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku i procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	2
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	4
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Autorizovana diskusija sa međunarodnog skupa	M35	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	4
Odbranjena doktorska disertacija	M71	1

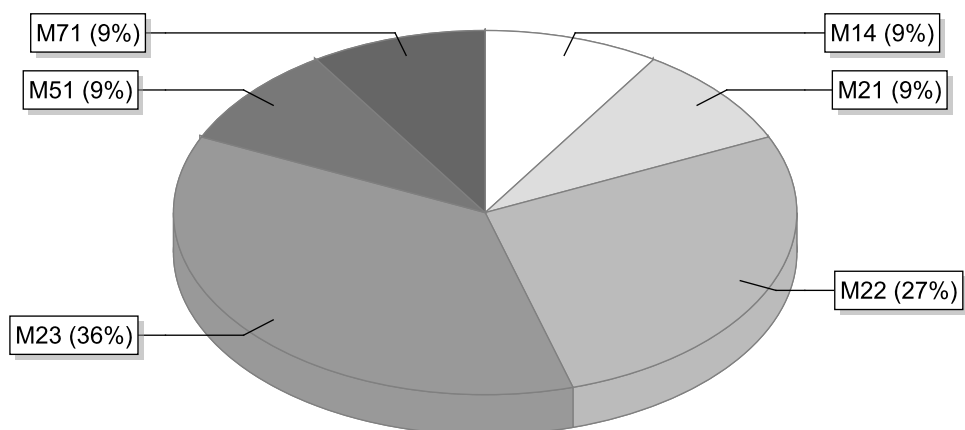


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za toplotnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	4
Rad u vodećem časopisu nacionalnog značaja	M51	1
Obranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

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

1. Petrović J., Gvozdenc D., Kljajić M.: Pedeset godina toplifikacije Subotice, Subotica, Printex, Subotica, 2014, ISBN 978-86-917343-0-5

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Gvozdenc D.: Calculation of the power loss coefficient of steam turbine as a part of the cogeneration plant, Energy, 2014, Vol. 59, pp. 642-651, ISSN 0360-5442

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Grković V.: Marginal share of renewable energy sources of variable electricity generation – a contribution to the concept definition, Thermal Science - International Scientific Journal, 2014, Vol. 18, No DOI 10.2298/TSCI1404220876, ISSN 0354-9836, UDK: 621
2. Gvozdenc D., Gvozdenc Urošević B., Kljajić M.: Serbian Energy Efficiency Problems, Thermal Science, 2014, Vol. 18, No 3, pp. 683-694, ISSN 0354-9836
3. Miljković B.: Experimental facility for analysis of biomass combustion characteristics, Thermal Science - International Scientific Journal, 2014, ISSN 0354-9836, UDK: 621

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Čepić Z., Nakomčić-Smaragdakis B., Miljković B., Radovanović Lj., Đurić S.: Combustion Characteristics of Wheat Straw in a Fixed Bed, Energy Sources Part A-Recovery Utilization and Environmental Effects, 2014, ISSN 1556-7036, UDK: DOI 10.1080/15567036.2014.922646
2. Đurić S., Brankov S., Kosanić T., Čeranić M., Nakomčić-Smaragdakis B.: The composition of gaseous products from corn stalk pyrolysis process, Thermal Science, 2014, Vol. 18, No 2, pp. 533-542, ISSN 0354-9836, UDK: doi:10.2298/TSCI120711021D
3. Đurić S., Kaluđerović Ž., Kosanić T., Čeranić M., Milotić M., Brankov S.: Experimental Investigation of Pyrolysis Process of Agricultural Biomass Mixture, Periodica Polytechnica, 2014, Vol. 58, No 2, pp. 141-147
4. Kosanić T., Đurić S.: Experimental Investigation of Pyrolysis Process of Woody Biomass Mixture

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Džolev N., Kostić B., Nadaški M., Anđelković A.: Ostvarene uštede i neiskorišćeni potencijal dosadašnjom primenom obračuna i naplate toplotne energije na osnovu merenja, na primeru toplana učesnica projekta KfW4 u Srbiji, Klimatizacija Grejanje Hlađenje (KGH), 2014, Vol. 43, No 4/2014, pp. 39-47, ISSN 0350-1426

Spisak rezultata M71 - Odbranjena doktorska disertacija

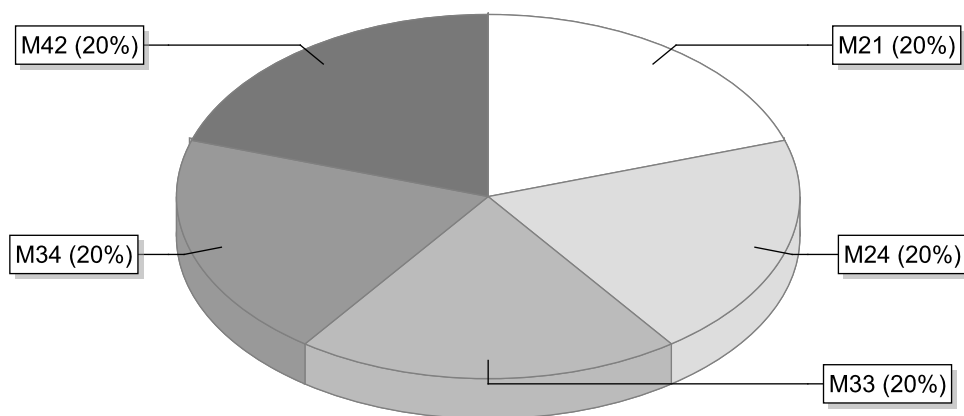
1. Kljajić M.: Tranzicije regionalnih energetskih sistema, Novi Sad, Univ?rzi?t u N?v?? S?du, F?kult?t t?hničkih n?uk? u N?v?? S?du, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1



## PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Šećerov Sokolović R., Govedarica D., Sokolović D.: Selection of Filter Media for Steady-State Bed Coalescers, *Industrial & Engineering Chemistry Research*, 2014, Vol. 56, No 6, pp. 2484-2490, ISSN 0888-5885, UDK: <http://pubs.acs.org/doi/pdf/10.1021/ie404013e>

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

1. Šećerov Sokolović R., Govedarica D., Sokolović D., Sokolović S.: Separacija dispergovanog ulja primenom koalescera sa vlaknastim slojem, *Zaštita materijala*, 2014, No 3, pp. 259-263, ISSN 0351-9465, UDK: UDC:620.168.3:621.899

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Đaković D., Gvozdenc Urošević B., Vasić G.: Logistika snabdevanja energetskog postrojenja biomasom, 27. Međunarodni kongres o procesnoj industriji PROCESING, Beograd, 22-24 Septembar, 2014, ISBN 978-86-81505-75-5

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Đaković D., Gvozdenc Urošević B.: SWOT Analysis of Biomass Plant Supply Logistics, 8. Međunarodni forum o čistim energetskim tehnologijama, Novi Sad, 30-1 Septembar, 2014

Spisak rezultata M42 - Monografija nacionalnog značaja, monografsko izdanje građe,

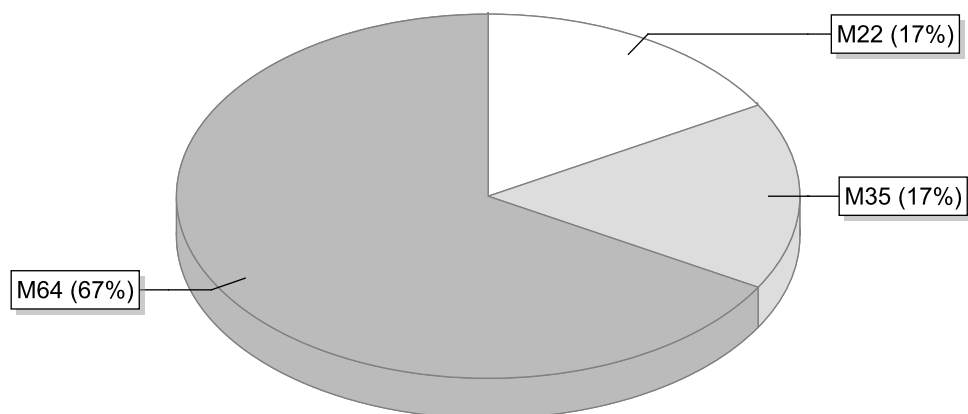
1. Govedarica D., Sokolović D.: Separacija emulzija koalescencijom u sloju vlakana, Novi Sad, Fakultet tehničkih nauka, 2014, ISBN 978-86-7892-655-6, UDK: 541.18.041

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehaniku fluida i hidropneumatske sisteme

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	1
Autorizovana diskusija sa međunarodnog skupa	M35	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	4



## PRODUKCIJA - REZULTATI

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Ružić D., Bikić S.: An Approach To Modelling A Virtual Thermal Manikin, DOI:10.2298/TSCI130115115R, Thermal Science - International Scientific Journal, 2014, Vol. 18, No 4, pp. 1413-1423, ISSN 0354-9836

Spisak rezultata M35 - Autorizovana diskusija sa međunarodnog skupa

1. Đurđević M.: The Use of a Hotplate for Cooking on Wood Burning Stoves, 1. Workshop on Environmental, health and climate impacts of household solid fuel use, Leeds, 30 Januar, 2014

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

1. Bikić S., Bukurov M., Marković B., Pavkov I., Radojčin M.: Flexible aluminium ducts air tightness testing, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivrei PTEP 2012, Kladovo: PTEP Novi Sad, 6-11 April, 2014, ISBN 978-86-7520-240-0
2. Bikić S.: Flexible aluminium ducts air tightness testing, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivrei PTEP 2012, Kladovo: PTEP Novi Sad, 6-11 April, 2014, ISBN 978-86-7520-240-0
3. Bukurov M., Bikić S., Marković B., Pavkov I., Radojčin M.: Determination of some physical properties of biomass for the purpose of pneumatics transport, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivrei PTEP 2012, Kladovo: Poljoprivredni fakultet u Novom Sadu, 6-11 April, 2014, ISBN 978-86-7520-296-7
4. Uzelac D., Bikić S., Đurđević M.: Postupak za određivanje protoka sigurnosnog odušnog ventila, 1. GAS 2013, Divčibare: Udruženje za gas Srbije, 28-31 Maj, 2013, ISBN ISSN 0354 – 8589, UDK: 662.76

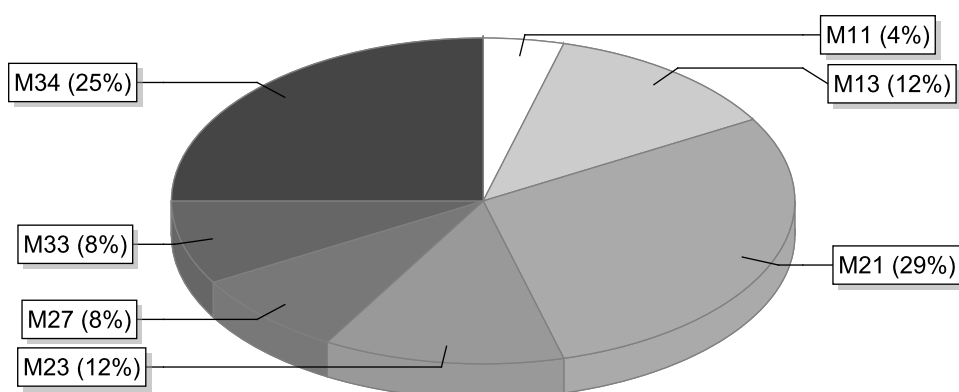


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u međunarodnom časopisu	M23	3
Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)	M27	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6

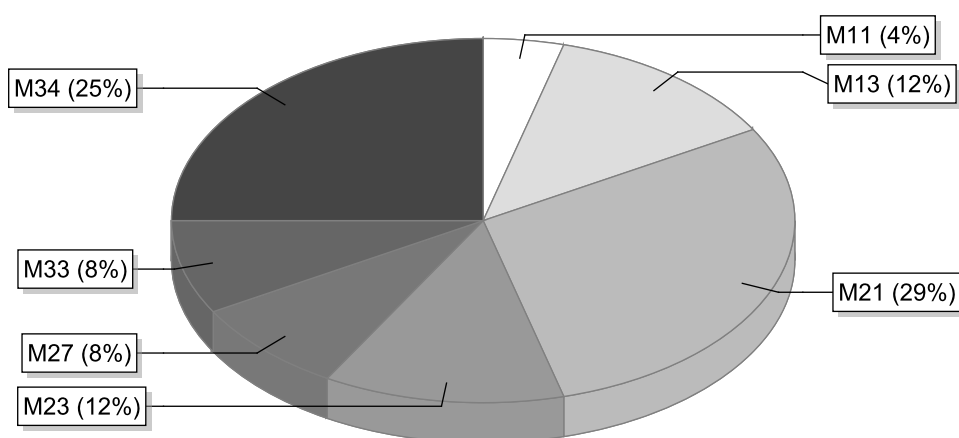


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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
Rad u vrhunskom međunarodnom časopisu	M21	7
Rad u međunarodnom časopisu	M23	3
Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)	M27	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6



## PRODUKCIJA - REZULTATI

### Spisak rezultata M11 - Istaknuta monografija međunarodnog značaja

1. Cvetičanin L.: Strongly Nonlinear Oscillators – Analytical Solutions, Springer, 2014, ISBN 978-3-319-05272-4

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

1. Cvetičanin L.: An analytical method for truly nonlinear oscillators in Mathematics of Continuous and Discrete Dynamical Systems, Applied Mathematical Sciences - Ser. Contemporary Mathematics, 2014
2. Cvetičanin L.: Dynamics of the Mass Variable Body in Dynamics of Mechanical Systems with Variable Mass, Springer - Series CISM International Centre for Mechanical Sciences, 2014
3. Cvetičanin L.: Nonlinear vibrations of a symmetrically supported two-degree-of-freedom system, in Monography: World Congress 2014: AIP Conf. Proc. 1637, <http://dx.doi.org/10.1063/1.4904586>, 15.-18. 06. 2014. Narvik, Norveška., ICNPAA, 2014

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

1. Bajat M., Pakar I., Cvetičanin L.: Nonlinear free vibration of systems with inertia and static type cubic nonlinearities: An analytical approach, Mechanism and Machine Theory, 2014, Vol. 77, pp. 50-58, ISSN 0094-114X
2. Cvetičanin L.: Coupled Van der Pol oscillator with non-integer order connection, Communication in Non-linear Science and Numerical Simulations, 2014, Vol. 19, pp. 3362-3372, ISSN 1007-5704
3. Cvetičanin L.: On the truly nonlinear oscillator with positive and negative damping, Applied Mathematics and Computation, 2014, Vol. 243, pp. 433-445, ISSN 0096-3003
4. Glavardanov V., Maretić R.: Secondary bifurcation of a compressible rod with spring-supports, European Journal of Mechanics - A: Solids, 2014, Vol. 46, pp. 72-83, ISSN 0997-7538
5. Grahovac N., Spasić D.: Multivalued fractional differential equations as a model for an impact of two bodies, Journal of Vibration and Control, 2014, Vol. 20, No 7, pp. 1017-1032, ISSN 1077-5463
6. Kovačić I., Zuković M.: A pendulum with an elliptic-type parametric excitation: stability charts for a damped and undamped system. , Communication in Non-linear Science and Numerical Simulations, 2014, Vol. 19, No 4, pp. 1185-1202, ISSN 1007-5704
7. Seyranian A., Glavardanov V.: On the stability problem of Nicolai with variable cross-section and compressibility effect , International Journal of Solids and Structures, 2014, Vol. 51, No 1, pp. 111-121, ISSN 0020-7683

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Bayat M., Pakar I., Cvetičanin L.: Nonlinear vibration of stringer shell by means of extended Hamiltonian approach, Archive of Appl. Mech, 2014, ISSN 0939-1533, UDK: DOI 10.1007/s00419-013-0781-2
2. Cvetičanin L., Mešter Đ., Biro I.: Parameter influence on the harmonically excited Duffing oscillator, Acta Polytechnica Hungarica, 2014, Vol. 11, pp. 145-160, ISSN 1785-8860
3. Maretić R., Glavardanov V.: Vibration of Circular Plate with an Internal Elastic Ring Support Under Exterior Edge Pressure, International Journal of Structural Stability and Dynamics, 2014, Vol. 14, No 1, ISSN 0219-4554

### Spisak rezultata M27 - Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)

1. Cvetičanin L.: -, Journal of Applied Mathematics, 2014, ISSN 1337-6365
2. Cvetičanin L.: Mechanism and Machine Theory

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

1. Cvetičanin L.: Self-excited vibration of a line element of building structure, 24. Conference on Mechanical Vibration and Noise, Niš, 29-30 Oktobar, 2014
2. Jeftenić G., Kolaković S., Ožvat S., Vujović S., Mašić B.: Utvrđivanje režima proticaja jezera Tikvara kod Bačke Palanke, 5. Građevinarstvo nauka i praksa, Žabljak, 17-21 Februar, 2014, pp. 1715-1722, ISBN 978-86-82707-23-3

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

1. Cvetičanin L., Biro I., Mešter Đ.: Modeling of impact of a tennis ball with court: An overview, 1. International

Symposium on Machines, Mechanics and Mechatronics – Current Trends, Beograd: Mašinski fakultet u Beogradu, 1-2 Jul, 2014

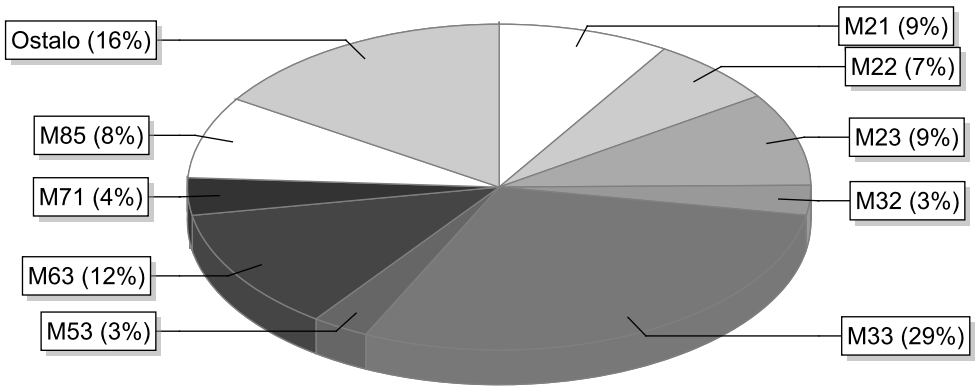
2. Cvetičanin L., Biro I.: Investigation of nonlinear oscillating system, 1. International Conference on Science and Technique based on Applied and Fundamental Research (ICoSTAF), Segedin, 25 April, 2014
3. Spasić D., Dolićanin Ć., Maltić R.: Post's inversion formula 85 years later, 3. Contemporary Problems of Mathematics, Mechanics and Informatics, Novi Pazar, 15-17 Jun, 2014
4. Spasić D., Mitić I., Crnobrnja V., Atanacković T.: On fractional hemodialysis model with endochrone term and flow within compartments, 1. International Conference on Fractional Differentiation and its Applications, Catania, 23-25 Jun, 2014
5. Žigić M., Grahovac N., Spasić D.: An optimal control problem for a sliding isolated seismically excited structure with passive fractional damping, 1. International Conference on Fractional Differentiation and its Applications, Catania, 23-25 Jun, 2014
6. Žigić M., Grahovac N., Spasić D.: On numerical solution of an optimal control problem for a sliding isolated seismically excited structure with passive fractional damping, 3. Contemporary Problems of Mathematics, Mechanics and Informatics, Novi Pazar, 15-17 Jun, 2014, pp. 46-46

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku, elektroniku i telekomunikacije

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	5
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u vrhunskom međunarodnom časopisu	M21	24
Rad u istaknutom međunarodnom časopisu	M22	18
Rad u međunarodnom časopisu	M23	25
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	6
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	8
Saopštenje sa međunarodnog skupa štampano u celini	M33	79
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	7
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	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	1
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	6
Rad u naučnom časopisu	M53	8
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	33
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	10
Odbranjen magistarski rad	M72	2
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	2
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	22
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	1

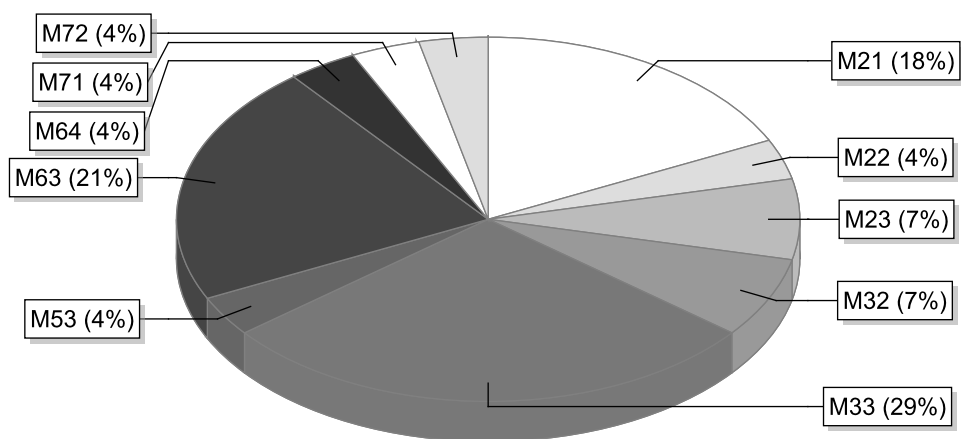


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektro-energetiku

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	5
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	2
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Obranjena doktorska disertacija	M71	1
Obranjena magistarski rad	M72	1



## PRODUKCIJA - REZULTATI

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

1. Ranković A., Maksimović B., Sarić A.: A Three-Phase State Estimation in Active Distribution Networks, *International Journal of Electrical Power and Energy Systems*, 2014, Vol. 54, No 1, pp. 154-162, ISSN 0142-0615
2. Sarić A., Stanković A.: Rapid Small-Signal Stability Assessment and Enhancement Following Changes in Topology, *IEEE Transactions on Power Systems*, 2014, pp. 1-9, ISSN 0885-8950
3. Selakov A., Cvijetinović ., Milović L., Mellon S., Bekut D.: Hybrid PSO–SVM method for short-term load forecasting during periods with significant temperature variations in city of Burbank, *Applied Soft Computing*, 2014, Vol. 16, No march, pp. 80-88, ISSN 1568-4946
4. Stanković A., Đukić S., Sarić A.: Approximate Bisimulation-Based Reduction of Power System Dynamic Models, *IEEE Transactions on Power Systems*, 2014, No Online, ISSN 0885-8950
5. Varga E., Beretka Š., Noce C., Sapienza G.: Robust Real-Time Load Profile Encoding and Classification Framework for Efficient Power Systems Operation, *IEEE Transactions on Power Systems*, 2014, pp. 1-8, ISSN 0885-8950

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

1. Savić S., Selakov A., Milošević D.: Cold and warm air temperature spells during the winter and summer seasons and their impact on energy consumption in urban areas, *Natural Hazards*, 2014, Vol. 73, No 2, pp. 373-387, ISSN 0921-030X

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Popović Ž., Kerleta V., Popović D.: Hybrid simulated annealing and mixed integer linear programming algorithm for optimal planning of radial distribution networks with distributed generation, *Electric Power System Research*, 2014, Vol. 108, No March, pp. 211-222, ISSN 0378-7796
2. Strezoski V., Vidović P.: Power flow for general mixed distribution networks, *European Transactions on Electrical Power - ETEP*, 2014, pp. 1-17

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

1. Švenda G., Strezoski V., Bezjak S.: Integracija nadzora napetosti v koncept distribucije pametnih omrežij (Volt Control Integrated in Smart Distribution Grid Concept), 14. Konferenca Tehnološke platforme za pametna omrežja, Ljubljana, 4 Decembar, 2014
2. Švenda G., Strezoski V.: Distribution State Estimation in Real-Life: Challenges and Experiences, ppt, 2. IEEE Power & Energy Society General Meeting – Shaping the Future Energy Industry – IEEE PESGM, Washington, 27-31 Jul, 2014

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

1. Chen P., Malbaša V., Kezunović M.: Locating Sub-Cycle Faults in Distribution Network Applying Half-Cycle DFT Method, 7. T&D Conference and Exposition, Medellin: IEEE Conference Publications , 10-13 Septembar, 2014, pp. 1-5, UDK: DOI: 10.1109/TDC.2014.6863254
2. Chen P., Malbaša V., Kezunović M.: Sensitivity Analysis of Voltage Sag Based Fault Location Algorithm, 18. Power Systems Computation Conference, Varšava: IEEE, 18-22 Avgust, 2014, pp. 1-7, UDK: DOI: 10.1109/PSCC.2014.7038389
3. Chen P., Malbaša V., Kezunović M.: Sensitivity of Voltage Sag Based Fault Location in Distribution Network to Sub-Cycle Faults, 4. North American Power Symposium (NAPS), North Carolina: IEEE Conference Publications , 7-9 Septembar, 2014, pp. 1-6, UDK: DOI: 10.1109/NAPS.2014.6965361
4. Dalčeković N., Stoja S.: Architecture of Real-Time Database in Cloud Environment for Distributed Systems, 2. International Conference on Artificial Intelligence, Modelling and Simulation, Madrid, 18-20 Novembar, 2014
5. Kovačev N., Lendak I.: Algorithm for distribution substation area visualization, 15. IEEE International Symposium on Computational Intelligence and Informatics (CINTI), Budimpešta, 19-21 Novembar, 2014
6. Lan L., Malbaša V., Vučetić S.: Spatial Scan for Disease Mapping on a Mobile Population, 28. AAAI Conference on Artificial Intelligence (AAAI-14), Quebec City, 27-31 Jul, 2014, pp. 1-7
7. Mijatović Lj., Katić N., Katić J.: Power Distribution Automation Profitability and Sensitivity Analysis, 1. Electricity International Convention, Eilat, 3-6 Decembar, 2014, pp. 1-5



8. Obrenović N., Luković I.: An Approach to Consolidation of Database Check Constraints, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Association for Information systems and Computer networks, 9-13 Mart, 2014, pp. 210-215, ISBN 978-86-85525-14-8

Spisak rezultata M53 - Rad u naučnom časopisu

1. Gavranović I., Vidović P.: Testiranje proračuna tokova snaga radijalnih distributivnih mreža, Zbornik radova Fakulteta tehničkih nauka, 2014, No 3, pp. 451-454, ISSN 0350-428X, UDK: 621.316

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

1. Cvetičanin S., Gecić M.: Процена параметара фракционог модела мотора једносмерне струје Мотор једносмерне струје са сталним магнетима на статору, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički Fakultet Banja Luka, 19-21 Mart, 2014, pp. 1042-1046
2. Đukić S., Čolić O.: Strategije regulacije napona i faktora snage za sinhronne generatore u distributivnim mrežama, 9. Savetovanje o elektrodistributivnim mrežama Srbije sa regionalnim učešćem – CIRED, Vrnjačka Banja: CIRED Srbija, 22-26 Septembar, 2014, ISBN 978-86-83171-18-7, UDK: 621.316(048)
3. Katić J., Katić N.: Analiza osetljivosti ekonomske isplativosti automatizacije elektrodistributivnih mreža; R-5.13, 9. Savetovanje o elektrodistributivnim mrežama Srbije sa regionalnim učešćem – CIRED, Vrnjačka Banja, 22-26 Septembar, 2014, pp. 1-8, ISBN ISBN 978-86-83171-18
4. Lendak I.: Szimulációs környezet közösségi érzékelésen alapuló okos város alkalmazások vizsgálatára, 4. Vajdasági Magyar Tudóstalálkozó, Subotica, 12 April, 2014, pp. 360-370, ISBN 978-86-89095-06-7
5. Popović Ž., Kerleta V.: Planiranje radijalnih distributivnih mreža sa distributivnim generatorima primenom mešovitog celobrojnog linearnog programiranja, 9. Savetovanje o elektrodistributivnim mrežama Srbije sa regionalnim učešćem – CIRED, Vrnjačka Banja, 22-26 Septembar, 2014, pp. 1-8, ISBN 978-86-83171-18-
6. Simendić Z., Švenda G., Strezoski V.: Primena unapređene regulacije napona u realnoj distributivnoj mreži, 9. Savetovanje o elektrodistributivnim mrežama Srbije sa regionalnim učešćem – CIRED, Vrnjačka Banja, 22-26 Septembar, 2014, pp. 1-8, ISBN 978-86-83171-18-7

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

1. Bratić M.: Distributed Generators in Smart Grid Concept, 8. Međunarodni forum o čistim energetske tehnologijama, Novi Sad, 30-1 Septembar, 2014

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Đukić S.: Redukcija dinamičkih modela elektroenergetskog sistema primenom teorije balansnih realizacija i aproksimativnih bisimulacionih relacija i funkcija, Novi Sad, Savo Đukić, 2014, str. 1-107, UDK: 621.311:519.673(043.3)

Spisak rezultata M72 - Odbranjen magistarski rad

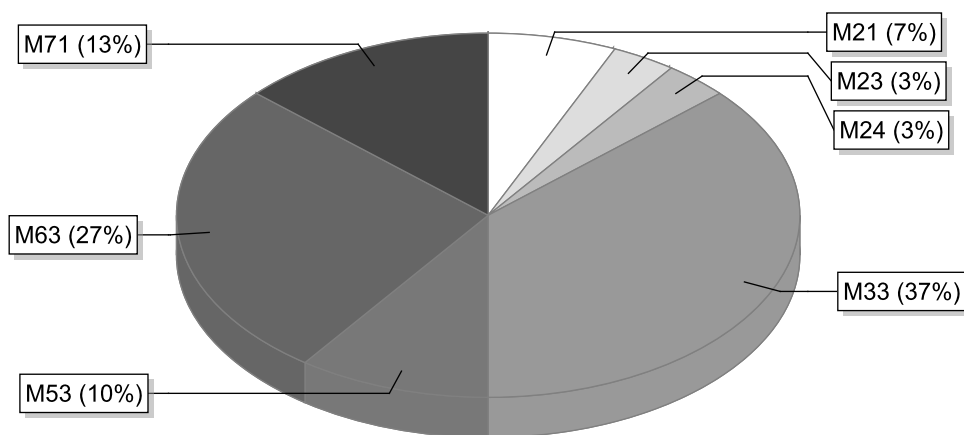
1. Lukić J.: Postupak za eksperimentalno određivanje koeficijenata samoregulacije potrošnje po naponu, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za energetska elektroniku i pretvarače

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u međunarodnom časopisu	M23	1
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	11
Rad u naučnom časopisu	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	8
Odbranjena doktorska disertacija	M71	4



## PRODUKCIJA - REZULTATI

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

1. Marčetić D., Krčmar I., Gecić M., Matić P.: Discrete Rotor Flux and Speed Estimators for High Speed Shaft-Sensorless IM Drives, IEEE Transaction on Industrial Electronics, 2014, Vol. 61, No 6, pp. 3099-3108, ISSN 0278-0046
2. Matić P., Gecić M., Marčetić D., Lekić Đ.: Thermal Protection of Vector Controlled IM Drive Based on DC Current Injection, IEEE Transaction on Industrial Electronics, 2014, ISSN 0278-0046

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Marčetić D., Tomić J., Kušljević M.: Unbalanced 3-Phase Distribution System Frequency Estimation Using LMS Method and Positive Voltage Sequence, IET Science Measurement and Technology, 2014, Vol. 8, No 1, pp. 30-38, ISSN 1751-8822

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

1. Gecić M., Marčetić D., Vasić V., Krčmar I., Matić P.: Towards an Improved Energy Efficiency of the Interior Permanent Magnet Synchronous Motor Drives, Serbian Journal of Electrical Engineering, 2014, Vol. 11, No 2, pp. 257-268, ISSN 1451-4869, UDK: 621.311-5:621.313.323]:620.9

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

1. Gecić M., Kapetina M., Popović V., Marčetić D.: Particle Swarm Optimization Based Energy Efficiency Method for High Speed IPMSM Drives, 10. INDEL, Banja Luka: Elektrotehnički fakultet Banja Luka, 6-8 Novembar, 2014
2. Ivanović Z., Adžić E., Grabić S., Porobić V., Katić V.: Low voltage ride-through capability of distributed generator connected to the grid through the back-to-back converter, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka: ETF Banja Luka, 6-8 Novembar, 2014, pp. 1-8
3. Jerkan D., Gecić M., Marčetić D.: IPMSM Inductances Calculation Using FEA, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka: Elektrotehnički fakultet Banja Luka, 6-8 Novembar, 2014, pp. 134-138, ISBN 978-99955-46-22-9
4. Popović V., Gecić M., Vasić V., Oros Đ., Marčetić D.: Evaluation of Luenberger Observer Based Sensorless Method for IM, 10. INDEL, Banja Luka: Elektrotehnički fakultet, Banja Luka, 6-8 Novembar, 2014
5. Porobić V., Adžić E., Ivanović Z., Vekić M., Grabić S.: A supplementary tool to the standard teaching method of induction motor drive control, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka: ETF Banja Luka, 6-8 Novembar, 2014, pp. 139-144, ISBN 978-99955-46-22-9
6. Reljić D., Jerkan D.: Experimental Identification of the Mechanical Parameters of an Induction Motor Drive, 10. INDEL, Banja Luka: Faculty of Electrical Engineering, Banja Luka, 6-8 Novembar, 2014, pp. 106-114, ISBN 978-99955-46-22-9
7. Reljić D., Matić D., Jerkan D., Oros Đ., Vasić V.: The Estimation of Iron Losses in a Non-Oriented Electrical Steel Sheet Based on the Artificial Neural Network and the Genetic Algorithm Approaches, 3. IEEE International Energy Conference (ENERGYCON), Cavtat: IEEE, 13-16 Maj, 2014, pp. 51-57, ISBN 978-1-4799-2448-6
8. Reljić D., Tomić J., Kanović Ž.: On-line Detection of the Airgap Eccentricity in a Three Phase Squirrel-Cage Induction Motor, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-6, ISBN 978-86-80509-70-9
9. Todorović I.: Effects of Individual Battery Charger Station on Power Quality, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka: Faculty of Electrical Engineering University of Banja Luka, 6-8 Novembar, 2014, pp. 224-228, ISBN 978-99955-46-22-9
10. Todorović I.: Ultracapacitors as auxiliary energy source in electric vehicles, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka: Faculty of Electrical Engineering University of Banja Luka, 6-8 Novembar, 2014, pp. 301-307, ISBN 978-99955-46-22-9
11. Vekić M., Grabić S., Adžić E., Ivanović Z., Porobić V.: PMSG Synchronization Control Algorithm based on the Active Damping Principle, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka: ETF Banja Luka, 6-8 Novembar, 2014, pp. 61-66, ISBN 978-99955-46-22-9

### Spisak rezultata M53 - Rad u naučnom časopisu

1. Gajić N., Gecić M., Marčetić D.: Vektorsko upravljanje PMSM na bazi dsPIC30f4011 sa inkrementalnim enkoderom kao senzorom pozicije, UNS FTN - Zbornik radova Fakulteta Tehničkih Nauka, 2014

2. Jeličić D., Gecić M., Marčetić D.: Realizacija LabVIEW SCADA sistema sa MODBUS protokolom, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 3, pp. 427-430, ISSN 0350-428X
3. Popović V., Marčetić D., Oros Đ.: Evaluation of Classical Version Luenberger Observer for Vector Controlled Induction Motor Drives without Shaft Sensor, Zbornik radova FTN, 2014

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

1. Cvetičanin S., Gecić M.: Процена параметара фракционог модела мотора једносмерне струје Мотор једносмерне струје са сталним магнетима на статору, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički Fakultet Banja Luka, 19-21 Mart, 2014, pp. 1042-1046
2. Doroslovački R., Kovačević I., Vilotić D., Kolaković S., Šešlija D., Katić V.: Osnovi metodologije realizacije nastave na visoko školskim ustanovama, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 17-21, ISBN 978-86-7892-594-8
3. Katić V., Kolaković S., Šešlija D., Kovačević I., Doroslovački R., Vilotić D.: Motivacioni instrumenti u naučnoj produkciji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 349-353, ISBN 978-86-7892-594-8
4. Kolaković S., Doroslovački R., Kovačević I., Katić V., Vilotić D., Šešlija D., Vidicki P.: Evaluacija ESP bodova na srpskim univerzitetima, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 116-121, ISBN 978-86-7892-594-8
5. Kovačević I., Doroslovački R., Vilotić D., Šešlija D., Katić V., Kolaković S.: Uspešnost bolonjskog procesa u Republici Srbiji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 341-345, ISBN 978-86-7892-594-8
6. Marčetić D., Gecić M., Matić P.: Robust online stator resistance estimation of high-speed vector controlled induction motor, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 19-21 Mart, 2014, pp. 1047-1050
7. Šešlija D., Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Vidicki P.: Razvoj metoda za procenu vrednosti ESPB bodova, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 111-116, ISBN 978-86-7892-594-8
8. Vilotić D., Doroslovački R., Kovačević I., Katić V., Kolaković S., Šešlija D.: Visoko obrazovanje u funkciji potreba tržišta rada, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 63-68, ISBN 978-86-7892-594-8

Spisak rezultata M71 - Odbranjena doktorska disertacija

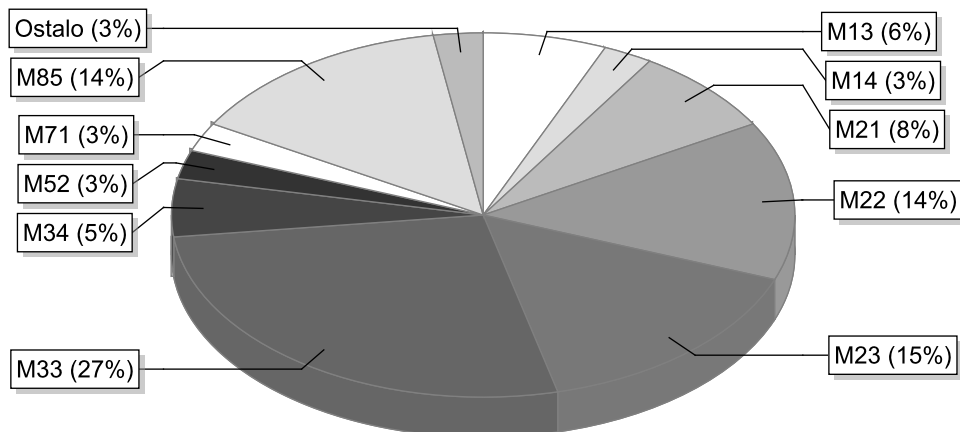
1. Adžić E.: Regulisani pogon asinhronog motora sa minimalnim brojem senzora, Novi Sad, FTN Novi Sad / Univerzitet u Novom Sadu, 2014, str. 1-191
2. Ivanović Z.: Poboljšane tehnike upravljanja pretvaračem prema mreži u slučaju propada napona u distributivnim mrežama sa sistemima za skladištenje električne energije, Novi Sad, Fakultet tehničkih nauka, 2014
3. Milićević D.: Razvoj naprednog upravljanja pogonom sa šestofaznim asimetričnim asinhronim motorom, Novi Sad, Fakultet tehničkih nauka Novi Sad, 2014
4. Vekić M.: Novi postupak za razvoj upravljačkih sklopova energetske elektronike zasnovan na emulaciji u stvarnom vremenu, Novi Sad, Fakultet tehničkih nauka, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektroniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	5
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Rad u vrhunskom međunarodnom časopisu	M21	6
Rad u istaknutom međunarodnom časopisu	M22	11
Rad u međunarodnom časopisu	M23	12
Saopštenje sa međunarodnog skupa štampano u celini	M33	21
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Rad u časopisu nacionalnog značaja	M52	2
Odbranjena doktorska disertacija	M71	2
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	11
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. Crnojević-Bengin V., Čeljuska N., Janković N., Geschke R.: Chapter Multi-band microstrip filters based on near-zero metamaterials in "Advances in Multi-Band Filters", Cambridge University Press, 2014, ISBN 9781107081970
2. Janković N., Crnojević-Bengin V., Meyer P., Hong J.: Chapter Design methods of multi-band filters in "Advances in Multi-Band Filters", Cambridge University Press, 2014, ISBN 9781107081970
3. Janković N., Crnojević-Bengin V.: Chapter Compact microwave multi-band bandpass filters based on quarter-wavelength resonators in "Advances in Multi-Band Filters", Cambridge University Press, 2014, ISBN 9781107081970
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5. Radonić V., Geshke R., Crnojević-Bengin V.: Advances in Multi-Band Filters - Dual-Band Filters Based on Grounded Patch Resonators, Cambridge, Cambridge University Press, 2014, ISBN 978-1-1070-8197-0

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5. Tomić J., Kušljević M., Vidaković M., Rajs V.: Smart SCADA system for urban air pollution monitoring, Measurement, 2014, No 58, pp. 138-146, ISSN 0263-2241
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15. Rajs V., Mihajlović Ž., Milosavljević V., Živanov M., Tanasic G.: Univerzalan algoritam za rad sa EEPROM memorijom velikog memorijskog kapaciteta, Infoteh, Jahorina, 2014, Vol. 13, pp. 34-38, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 34-38, ISBN 978-99955-763-3-2
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2. Rajs V., Milosavljević V., Mihajlović Ž., Živanov M., Tatić G.: MERENJE KONCENTRACIJE PRAŠINE I AUTOMATSKA DEZINFEKCIJA VAZDUHA U PROSTORIJI, Energetika, (List Saveza energetičara „energija, ekonomija, ekologija“), 2014, ISSN 0354-8651

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Blaž N.: KARAKTERIZACIJA FERITNIH I DIELEKTRIČNIH LTCC MATERIJALA I NJIHOVA PRIMENA U EMI POTISKIVAČIMA I SENZORIMA, Novi Sad, 2014
2. Radić J.: Ultra-širokopojasni impulsni generator u CMOS tehnologiji, Novi Sad, Fakultet tehničkih nauka, 2014, s t r . 1 - 160, U D K : <http://www.cris.uns.ac.rs/DownloadFileServlet/Disertacija141527652998965.pdf?controlNumber=%28BISIS>

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

1. Blaž N., Luković M., Nikolić M., Aleksić O., Živanov Lj.: Nove konfiguracije EMI potiskivača koji su realizovani pomoću mešovitog snopa Mn-Zn feritnih cevčica, 2014

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

1. Crnojević-Bengin V., Janković N., Čeljuska N., Birgermajer S.: Nova metoda projektovanja mu near-zero filtra, 2014
2. Čeljuska N., Sečujski M., Crnojević-Bengin V., Birgermajer S.: Laboratorijski merni sistem i metoda određivanja S-matrice dvoprístupnog akustičkog kola, 2014
3. Dakić B., Samardžić N., Stojanović G.: Sistem za akviziciju signala sa 2D kapacitivne matrice, 2014
4. Đugova A., Radić J., Videnović-Mišić M., Nađ L.: Metoda za određivanje karakteristika širokopojasnog nisko-šumnog pojačavača realizovanog u CMOS tehnologiji, 2014

5. Đugova A., Radić J., Videnović-Mišić M., Nađ L.: Nova konfiguracija širokopojasnog nisko-šumnog pojačavača realizovanog u CMOS tehnologiji, 2014
6. Kisić M., Blaž N., Babković K., Marić A., Živanov Lj., Damnjanović M., Radosavljević G.: Pasivni senzor pomeraja sa poliiimidnom membranom, 2014
7. Radić J., Đugova A., Nađ L., Videnović-Mišić M.: Metoda za određivanje karakteristika ultra-širokopojasnog impulsnog generatora u CMOS tehnologiji, 2014
8. Radonić V., Birgermajer S., Marijanović S., Crnojević-Bengin V.: Nova metoda projektovanja dual-band filtra sa nezavisnim propusnim opsezima, 2014
9. Radonić V., Birgermajer S., Marijanović S., Đokić M., Crnojević-Bengin V., Muck T.: Laboratorijski prototip laminirane pametne RFID kartice , 2014
10. Žlebić Č., Blaž N., Živanov Lj., Damnjanović M., Menićanin A.: Програмски алат за брзо одређивање електричних карактеристика индуктора из S-параметара, 2014
11. Žlebić Č., Kljajić D., Blaž N., Živanov Lj., Damnjanović M., Menićanin A.: Metoda za određivanje uticaja DC struje na električne karakteristike SMD induktora, 2014

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

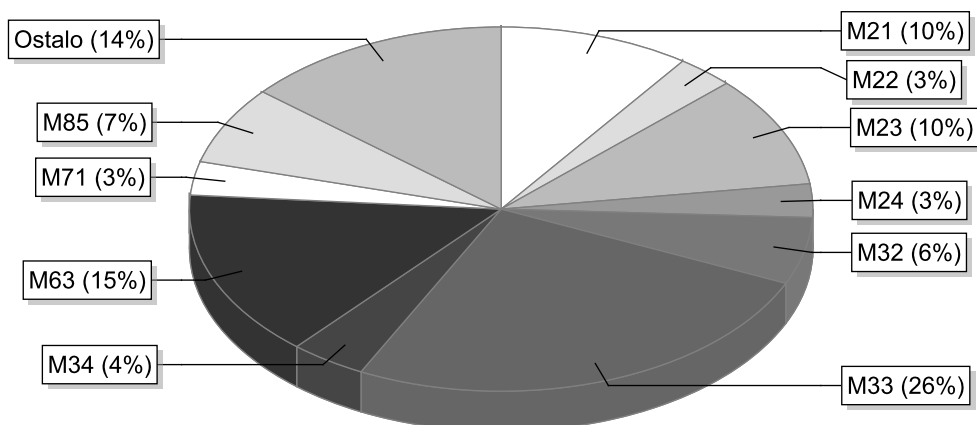
1. Kojić S., Ajkalo S., Stojanović G., Gužvica M., Vasiljević D., Radovanović M.: Metod i sistem za senzorski podržano inteligentno praćenje stanja objekta na polici, Beograd, Glasnik intelektualne svojine, 2014, str. 18-19, ISBN 2217-9143

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za telekomunikacije i obradu signala

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	10
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	10
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	1
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	6
Saopštenje sa međunarodnog skupa štampano u celini	M33	26
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	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	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	2
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	15
Obranjena doktorska disertacija	M71	3
Obranjena magistarski rad	M72	1
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	7



## PRODUKCIJA - REZULTATI

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

1. Brdar S., Crnojević V., Blaž Z.: Integrative clustering by non-negative matrix factorization can reveal coherent functional groups from gene profile data, *IEEE Journal of Biomedical and Health Informatics*, 2014
2. Brkljač B., Janev M., Obradović R., Rapačić D., Ralević N., Crnojević V.: Sparse representation of precision matrices used in GMMs, *Applied Intelligence*, 2014, No 41, pp. 956-973, ISSN 0924-669X
3. Gnjatović M., Delić V.: Cognitively-inspired representational approach to meaning in machine dialogue, DOI:10.1016/j.knosys.2014.05.001, *Knowledge-based Systems*, 2014, Vol. 71, pp. 25-33, ISSN 0950-7051
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5. Petrović V.: Additive models and separable pooling, a new look at structural similarity, *Signal Processing*, 2014, Vol. 97, pp. 110-116, ISSN 0165-1684
6. Petrović V.: Focused pooling for image fusion evaluation, *Information Fusion*, 2014, Vol. 22, No 3, pp. 119-126, ISSN 1566-2535
7. Šveljo O., Čulić M., Koprivšek K., Lučić M.: The functional neuroimaging evidence of cerebellar involvement in the simple cognitive task, *Brain Imaging and Behavior*, 2014, Vol. 8, No 4, pp. 480-486, ISSN 1931-7557, UDK: doi 10.1007/s11682-014-9290-3
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3. Kovačević M.: Error-Correcting Codes in Spaces of Sets and Multisets and Their Applications in Permutation Channels, Novi Sad, Fakultet tehničkih nauka, Novi Sad, 2014

#### Spisak rezultata M72 - Odbranjen magistarski rad

1. Nemeč D.: Sigurnost i mobilnost u 802.11 mrežama, Novi Sad, Fakultet tehničkih nauka, 2014

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

1. Jokić S., Krčo S., Pokrić M., Sakač D., Jokić I., Perić Z., Delić V.: Mobilni telemedicinski sistem "EKG za svakoga" - <http://www.ftn.uns.ac.rs/995788627/mobilni-telemedicinski-sistem--ekg-za-svakoga->, 2014

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

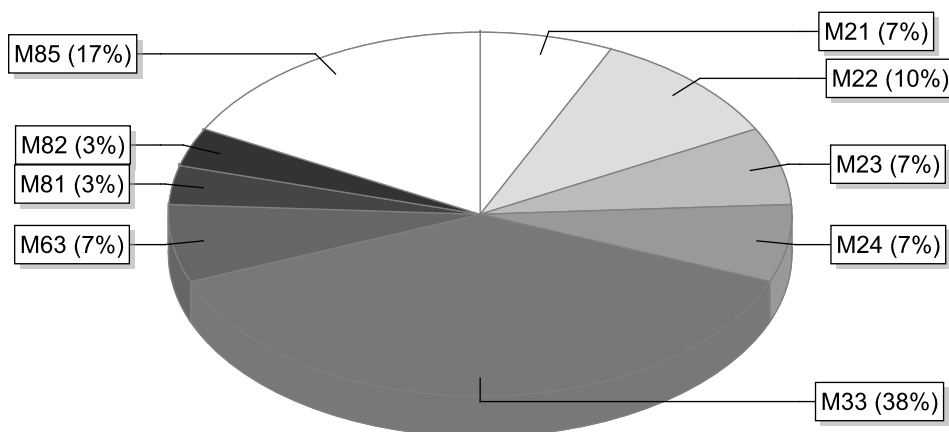
1. Antić A., Petrović B., Zeljković M., Hodolić J., Janev M.: Programsko rešenje modula za izdvajanje obeležja neuro-fazi sistema za prepoznavanje stanja pohabanosti alata, 2014
2. Čeljuska N., Sečujski M., Crnojević-Bengin V., Birgermajer S.: Laboratorijski merni sistem i metoda određivanje S-matrice dvopristupnog akustičkog kola, 2014
3. Ostrogonac S., Mišković D., Sečujski M., Vujnović Sedlar N., Popović B., Pekar D.: Igra za slepa i slabovidna lica bazirana na govornim tehnologijama za srpski jezik (anMasterMind) <http://www.ftn.uns.ac.rs/n4670212/igra-za-slepa-i-slabovidna-lica-bazirana-na-govornim-tehnologijama-za->
4. Ostrogonac S., Pekar D., Mišković D., Sečujski M., Popović B., Delić V.: Pametna kuća bazirana na govornim tehnologijama za srpski jezik (anSmartHome) <http://www.ftn.uns.ac.rs/n4670213/pametna-kuca-bazirana-na-govornim-tehnologijama-za-srpski-jezik>, 2014
5. Sladojević S., Minić V., Panić M., Čulibrk D., Crnojević V., Edelinski I.: Softver: Centralna baza za skladištenje podataka iz bežične senzorske mreže (WSN), 2014
6. Sladojević S., Minić V., Panić M., Čulibrk D., Crnojević V., Edelinski I.: Softver: Internet aplikacija za prikaz i ažuriranje podataka sa bežičnih senzorskih mreža, 2014
7. Suzić S., Pekar D., Mak R., Pakoci E., Delić V.: Naziv: Sistem za automatsko kreiranje transkribovane govorne baze (anSpeechCollector) Link: <http://www.ftn.uns.ac.rs/n4670235/sistem-za-automatsko-kreiranje-transkribovane-govorne-baze>, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za električna merenja

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
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	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	11
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	5



## PRODUKCIJA - REZULTATI

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

1. Kušljević M., Tomić J.: Multiple-Resonator-Based Power System Taylor-Fourier Harmonic Analyses, IEEE Transactions on Instrumentation and Measurement, 2014, No 99, pp. 1-9, ISSN 0018-9456, UDK: 10.1109/TIM.2014.2345591
2. Tomić J., Kušljević M., Vidaković M., Rajs V.: Smart SCADA system for urban air pollution monitoring, Measurement, 2014, No 58, pp. 138-146, ISSN 0263-2241

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

1. Radonjić A., Sovilj P., Vujičić V.: Stochastic Measurement of Power Grid Frequency Using a Two-Bit A/D Converter, IEEE Transactions on Instrumentation and Measurement, 2014, Vol. 63, No 1, pp. 56-62, ISSN 0018-9456
2. Sovilj P., Milovanović M., Pejić D., Urekar M., Mitrović Z.: Influence of Wilbraham-Gibbs Phenomenon on Digital Stochastic Measurement of EEG Signal over an Interval, Measurement Science Review, 2014, Vol. 14, No 5, pp. 270-278, ISSN 1335-8871
3. Spasić Jokić V.: Patient dose measurement and dose reduction in chest radiography, Nuclear Technology & Radiation Protection, 2014, Vol. 29, No 3, pp. 220-225, ISSN 1451-3994

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Marčetić D., Tomić J., Kušljević M.: Unbalanced 3-Phase Distribution System Frequency Estimation Using LMS Method and Positive Voltage Sequence, IET Science Measurement and Technology, 2014, Vol. 8, No 1, pp. 30-38, ISSN 1751-8822
2. Župunski Lj., Spasić Jokić V., Gordanić V.: Natural radionuclides content in the river sediment and related health risk assessment for the West Morava River basin, Serbia, Carpathian Journal of Earth and Environmental Sciences, 2014, Vol. 9, No 3, pp. 75-84, ISSN 1842-4090

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

1. Beljić Ž., Vujičić B., Župunski I., Mitrović Z., Vujičić V.: Measurement Over an Interval Method in Measuring and Monitoring of Power Quality, Serbian Journal of Electrical Engineering, 2014, Vol. 11, No 1, pp. 189-199, ISSN 1451-4869, UDK: 621.316:006.73
2. Sovilj P., Ković V., Biro M., Radak M., Mitrović Z.: Measurement of event-related potentials and placebo, Serbian Journal of Electrical Engineering, Serbian Journal of Electrical Engineering, 2014, pp. 1-13, ISSN 1451-4869

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

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2. Ličina B., Pejić D., Sovilj P., Vujičić V.: Application of Digital Stochastic Measurement of Definite Integral Product of Two or More Signals Using Two-Bit A/D Converter, 10. INDEL, Banja Luka: Elektrotehnički fakultet, 6-8 Novembar, 2014, pp. 1-6
3. Ličina B., Sovilj P.: Application of Digital Stochastic Measurement over an Interval in Time and Frequency Domain, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 297-302, ISBN 978-86-85525-14-8
4. Milovanović M., Sovilj P.: Primena EEGLAB softvera u merenju ERP potencijala, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, 19-21 Mart, 2014, pp. 631-636, ISBN 978-99955-763-3-2
5. Peić Tukuljac E., Gazivoda N., Mitrović Z., Vujičić B., Mitrović J.: Density measurement using the oscillatory type devices, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja, 2-5 Jun, 2014, ISBN ISBN 978-86-80509-70
6. Peić Tukuljac E., Gazivoda N., Mitrović Z., Župunski I., Čabrilo N.: Temperature and Pressure Measurement in Validation procedure for food product Pasteurisation, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja, 2-5 Jun, 2014, ISBN ISBN 978-86-80509-70
7. Reljić D., Tomić J., Kanović Ž.: On-line Detection of the Airgap Eccentricity in a Three Phase Squirrel-Cage Induction Motor, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-6, ISBN 978-86-80509-70-9

8. Sovilj P.: Stochastic Measurement in Fourier and Wavelet Domain: a Comparative Study, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-3
9. Spasić Jokić V., Župunski Lj., Gordanić V., Župunski I.: Internal exposure to natural radionuclides from soil and related health risk assessment, Proceedings, Bor, Tehnical Faculty, 2014, pp. 618-623, 22. International Conference Ecological Truth, Eco-Ist, Bor: University of Belgrade - Technical faculty in Bor, 10-13 Jun, 2014, pp. 618-623, ISBN 978-86-6305-021-1
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11. Župunski Lj., Spasić Jokić V., Vojin G., Župunski I., Mitrović Z.: Sensitivity analysis of health risk to probability distributions for the exposure parameters, 2. International Conference on Radiation and Dosimetry in Various Fields of Research (RAD), Niš: University of Niš, Faculty of Electronic Engineering, 27-30 Maj, 2014, pp. 57-60, ISBN 978-86-6125-101-6

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

1. Đorđević-Kozarov J., Mitić D., Sovilj P., Vujičić V., Radenković D.: Razvoj modela za stohastičko digitalno merenje EOG signala, 58. ETRAN, Vrnjacka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-3
2. Milovanović M., Sovilj P.: Analiza ERP P300 komponente primenom ERPLAB softvera, 58. ETRAN, Vrnjacka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-6

Spisak rezultata M81 - Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo

1. Vujičić V., Pejić D., Pjevalica N., Sovilj P., Mitrović Z., Urekar M., Beljić Ž., Gazivoda N., Radonjić A., Vujičić B.: Sistem za merenje, kontrolu i nadzor nad tokovima električne snage i energije u DTS XkV/0,4kV, 2014

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

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

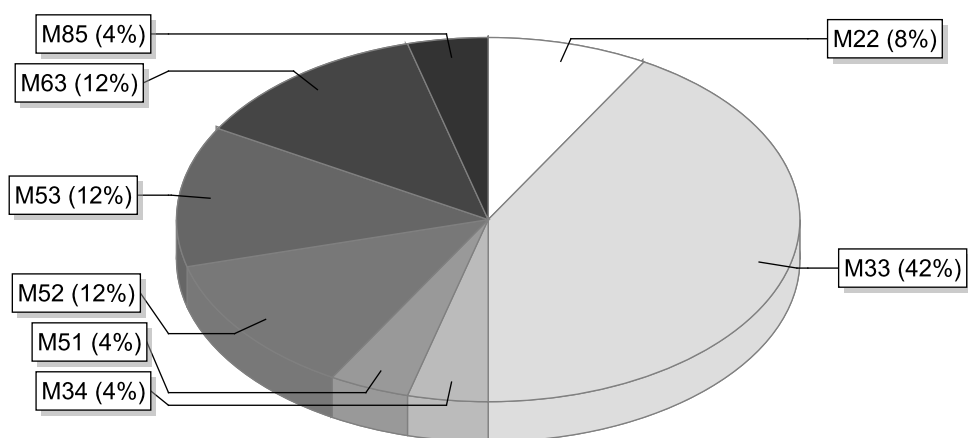
1. Gazivoda N.: Koncept stohastičkog merenja parametara signala u Furijeovom domenu, 2014
2. Gazivoda N.: Merenje krest faktora u elektrodistributivnoj mreži, 2014
3. Gazivoda N.: Metoda merenja osnovnog harmonika u mreži dvobitnim A/D konvertorom u prisustvu Gausovske devijacije frekvencije, 2014
4. Gazivoda N.: Metoda merenja THD faktora mrežnog napona pri varijaciji frekvencije, 2014
5. Gazivoda N.: Metoda određivanja optimalne rezolucije SDMM u merenju efektivne vrednosti, snage i energije, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorijsku elektrotehniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1



## PRODUKCIJA - REZULTATI

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

1. Đurić N., Kljajić D., Kasaš-Lažetić K., Bajović V.: The measurement procedure in the SEMONT monitoring system, *Environmental Monitoring and Assessment*, 2014, Vol. 186, No 3, pp. 1865-1874, ISSN 0167-6369, UDK: DOI 10.1007/s10661-013-3500-0
2. Juhas A., Novak L.: General Description of Nonnegative Waveforms up to Second Harmonic for Power Amplifier Modelling, Article ID 709762, 18 pages, 2014. doi:10.1155/2014/709762, *Mathematical Problems in Engineering*, 2014, ISSN 1024-123X

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

1. Antić D., Đurić N., Kljajić D.: Environmental EMF Monitoring in the SEMONT System Using Quad-band AMB 8057/03 Sensor, 10. IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob), Larnaka, 8-10 Oktobar, 2014, pp. 382-387, ISBN 978-1-4799-5040-9
2. Antić D., Đurić N., Kljajić D.: The AMB 8057-03 Sensor Node Implementation in the SEMONT EMF Monitoring System, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 Septembar, 2014, pp. 289-292, ISBN 978-1-4799-5995-2
3. Đurić N.: The MAP in LC As a Soft-decision Method for MTR Decoding in LDPC-MTR Concatenation, 1. International Conference on Computer and Computational Intelligence – ICCCI, Hammamet, 13-15 Jun, 2014, pp. 1-4
4. Herceg D., Kasaš-Lažetić K., Đurić N., Kljajić D., Prša M.: Linearity of Shielded Measuring Transformer, 49. International Universities' Power Engineering Conference UPEC, Cluj-Napoca, 2-5 Septembar, 2014, pp. 1-4, ISBN 978-1-4799-6556-4
5. Herceg D., Kasaš-Lažetić K., Kljajić D., Mučalica N., Prša M.: Eddy Currents Inside Pipeline Buried Beneath HV Overhead Power Transmission System, 10. INDEL, Banja Luka, 6-8 Novembar, 2014, ISBN 978-99955-46-22-9
6. Kasaš-Lažetić K., Herceg D., Đurić N., Antić D., Prša M.: Determination of Frequency Dependant Permeability of Nonlinear ACSR Core, 49. International Universities' Power Engineering Conference UPEC, Cluj-Napoca, 2-5 Septembar, 2014, pp. 1-5, ISBN 978-1-4799-6556-4
7. Kasaš-Lažetić K., Herceg D., Kljajić D., Prša M.: Frequency Dependent Current Distribution and Resistance Coefficient of Aluminium Conductors, 10. INDEL, Banja Luka, 6-8 Novembar, 2014, ISBN 978-99955-46-22-9
8. Kljajić D., Đurić N., Kasaš-Lažetić K., Antić D.: The SEMONT Monitoring and Risk Assessment of Environmental EMF Pollution, 1. International Conference on Environmental Monitoring, Simulation and Remediation – ICEMSR, Venice: World Academy of Science, Engineering and Technology, 14-15 Avgust, 2014, pp. 501-505
9. Milutinov M., Juhas A., Pekarić Nađ N.: Magnetic field in vicinity of busbars with unbalance currents, 8. International PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields – CEMBEF, Timisoara, 2-4 Septembar, 2014
10. Struharik R., Vranjković V., Dautović S., Novak L.: Inducing Oblique Decision Trees, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 Septembar, 2014, pp. 257-262

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

1. Milutinov M., Juhas A., Pekarić Nađ N.: Protection from low frequency electromagnetic fields, 8. European Congress for Integrative Medicine, Beograd, 10-11 Oktobar, 2014

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

1. Juhas A., Pekarić Nađ N., Toepfer H.: Magnetic field of rectangular current loop with sides parallel and perpendicular to the surface of high-permeability material, *Serbian Journal of Electrical Engineering*, 2014, Vol. 11, No 4, pp. 701-717, ISSN 1451-4869

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

1. Đurić N., Šenk V.: Soft-decision Decoding of MTR Codes Using MAP in LC Approach, *International Journal of Information Security*, 2014, Vol. 1, pp. 51-55, ISSN 2382-2619
2. Kasaš-Lažetić K., Herceg D., Mučalica N., Prša M.: Određivanje frekvencijski zavisne strujne raspodele u trofaznom sistemu sastavljenom od „U” sabirnica, *Energetika*, (List Saveza energetičara „energija, ekonomija, ekologija“), 2014, Vol. 3, pp. 61-67, ISSN 0354-8651, UDK: UDC: 621.316/.317 (UDC 620.9)

3. Mučalica N., Papić T., Kasaš-Lažetić K., Herceg D., Antić D., Prša M.: Gubici usled struja indukovanim u čeličnim cevima zakopanim ispod dalekovoda, Energetika, (List Saveza energetičara „energija, ekonomija, ekologija“), 2014, Vol. 3, pp. 56-60, ISSN 0354-8651, UDK: UDC: 621.315.23.004 (UDC 620.9)

Spisak rezultata M53 - Rad u naučnom časopisu

1. Đurić N., Kljajić D., Antić D., Kasaš-Lažetić K., Milutinov M., Herceg D., Mišković D., Knežević D., Prša M., Bajović V., Pekarić Nađ N., Milošević V.: The SEMONT Network For Electromagnetic Pollution Risk Assessment In Environment, IT Transactions on The Built Environment, 2014, Vol. 156, pp. 169-176, ISSN 1743-3509
2. Kasaš-Lažetić K.: erewe
3. Kljajić D., Đurić N., Kasaš-Lažetić K., Antić D.: The SEMONT Monitoring and Risk Assessment of Environmental EMF Pollution, International Journal of Computer, Information, Systems and Control Engineering, 2014, Vol. 8, No 8, pp. 1164-1168, ISSN 1307-6892

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

1. Herceg D., Kasaš-Lažetić K., Kljajić D., Mučalica N., Prša M.: Frekvencijski zavisne permeabilnosti pocinkovanog gvozdеноg lima, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, ISBN ISBN 99938-624-2-8
2. Kasaš-Lažetić K., Herceg D., Đurić N., Mučalica N., Prša M.: Frekvencijski zavisne radne karakteristike Al-Če i Al-AIO provodnika, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, ISBN ISBN 99938-624-2-8
3. Mučalica N., Kasaš-Lažetić K., Herceg D., Antić D., Prša M.: Numeričko određivanje impedanse zemlje kao povratnog provodnika, u zavisnosti od nekoliko parametara, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, ISBN ISBN 99938-624-2-8

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

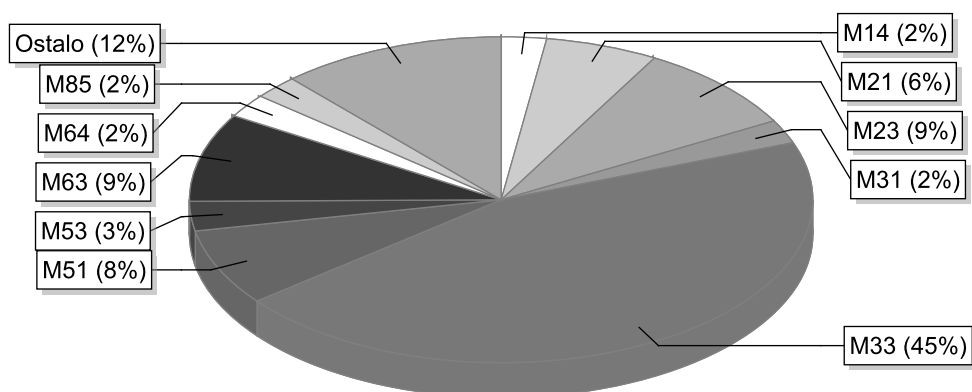
1. Žlebić Č., Kljajić D., Blaž N., Živanov Lj., Damjanović M., Meničanin A.: Метода за одређивање утицаја DC струје на електричне карактеристике SMD индуктора, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za računarstvo i automatiku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	4
Rad u vrhunskom međunarodnom časopisu	M21	10
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	15
Uređivanje međunarodnog naučnog časopisa	M28	1
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	4
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	77
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	13
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	5
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	15
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	4
Odbranjena doktorska disertacija	M71	3
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2



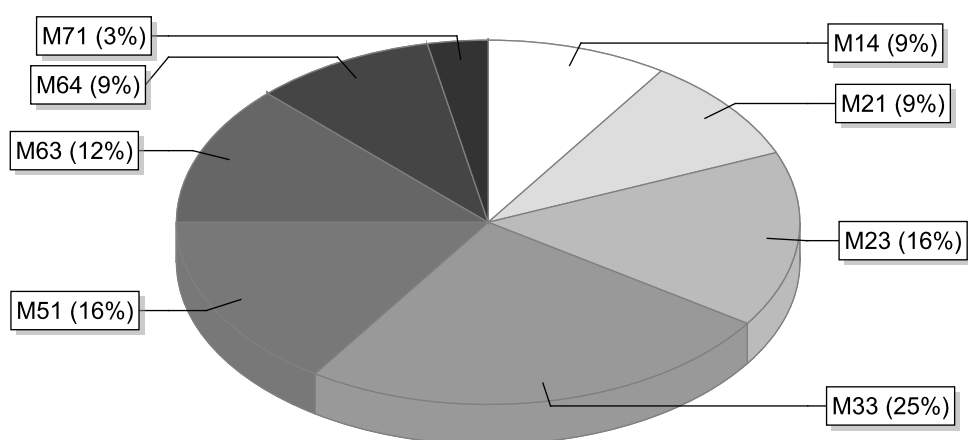


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za automatsko upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	3
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	5
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u vodećem časopisu nacionalnog značaja	M51	5
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	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. Kanović Ž.: Expert System for Induction Motor Fault Detection Based on Vibration Analysis and Support Vector Machines. In: Garcia Marquez, F. P., Papaalias, M., (Ed.) Fault Detection – Classification, Techniques and Role in Industrial Systems, New York, Nova Publishers, 2014, str. 113-126, ISBN 978-1-62948-031-2
2. Rapačić M., Šekara T., Lazarević M.: Introduction to Fractional Calculus with Brief Historical Background, Chapter 1. in M. Lazarević, Advanced Topics on Applications of Fractional Calculus on Control Problems, System Stability and Modeling, WSEAS, 2014, str. 3-18, ISBN 978-960-474-348-3
3. Rapačić M., Šekara T.: Direct and Indirect Method for Discretization of Linear Fractional Systems, Chapter 2. in M. Lazarević, Advanced Topics on Applications of Fractional Calculus on Control Problems, System Stability and Modeling, WSEAS, 2014, str. 19-43, ISBN 978-960-474-348-3

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Čongradac V., Petrovački N.: Methods for assessing energy savings in hospitals using various control techniques, Energy and Buildings, 2014, Vol. 69, pp. 85-92, ISSN 0378-7788
2. Rapačić M., Pisano A.: Variable Order Fractional Operators for Adaptive Order and Parameter Estimation, IEEE Transactions on Automatic Control, 2014, ISSN 0018-9286
3. Rapačić M., Šekara T., Govedarica V.: A novel class of fractionally orthogonal quasi-polynomials and new fractional quadrature formulas, Applied Mathematics and Computation, 2014, Vol. 245, pp. 206-219, ISSN 0096-3003

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Erdeljan A., Čapko D., Vukmirović S., Bojanić D., Čongradac V.: Distributed PSO Algorithm for Data Model Partitioning in Power Distribution Systems, Journal of Applied Research and Technology - JART, 2014, Vol. 12, No 5, pp. 947-957, ISSN 1665-6423
2. Hadžistević M., Matin I., Hodolić J., Vukelić Đ., Vukmirović S., Godec D., Nedić B.: Rule base reasoning in the knowledge-based mould design system, Tehnicki vjesnik - Technical Gazette, 2014, Vol. 21, No 5, pp. 1143-1148, ISSN 1330-3651
3. Kanović Ž., Bugarski V., Bačkalić T.: Ship Lock Control System Optimization using GA, PSO and ABC: A Comparative Review, Promet - Traffic&Transportation, 2014, Vol. 26, No 1, pp. 23-31, ISSN 0353-5320
4. Pissano A., Rapačić M., Usai E.: Discontinuous dynamical systems for fault detection. A unified approach including fractional and integer order dynamics, Mathematics and Computers in Simulation, 2014
5. Rackov M., Milovančević M., Kanović Ž., Vereš M., Rafa K., Banić M., Miltenović A.: Optimization of HCR Gearing Geometry Using Generalized Particle Swarm Optimization Algorithm, Tehnicki vjesnik - Technical Gazette, 2014, Vol. 21, No 4(2014), pp. 723-732, ISSN 1330-3651, UDK: 681.833.1:519.254

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Čapko D., Martinović L., Erdeljan A.: Estimation methods of calculations complexity in distribution management systems, 15. IEEE International Symposium on Computational Intelligence and Informatics (CINTI), Budimpešta, 19-21 Novembar, 2014, pp. 325-328
2. Đozić D., Krajoski G., Popov N., Stanišić D., Lazarević S.: EEG signal processing and classification using Artificial Neural Networks, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja, 2-5 Jun, 2014
3. Gecić M., Kapetina M., Popović V., Marčetić D.: Particle Swarm Optimization Based Energy Efficiency Method for High Speed IPMSM Drives, 10. INDEL, Banja Luka: Elektrotehnički fakultet Banja Luka, 6-8 Novembar, 2014
4. Jakovljević B., Rapačić M., Jeličić Z., Šekara T.: Optimization of Fractional PID Controller by Maximization of the Criterion That Combines the Integral Gain and Closed-Loop System Bandwidth, 18. International Conference on System theory, Control and Computing (ICSTCC), Sinaia, 17-19 Oktobar, 2014
5. Jakovljević B., Rapačić M., Šekara T., Bošković M.: RATIONAL APPROXIMATIONS TO DESIGN CONTROLLERS FOR UNSTABLE PROCESSES, INCLUDING DEAD-TIME, 10. International Symposium on Industrial Electronics (INDEL), Banja Luka, 6-8 Novembar, 2014
6. Popov N., Tepić Ž., Stanišić D., Lazarević S.: Implementation of a neural network based soft sensor, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 1079-1083

7. Reljić D., Matić D., Jerkan D., Oros Đ., Vasić V.: The Estimation of Iron Losses in a Non-Oriented Electrical Steel Sheet Based on the Artificial Neural Network and the Genetic Algorithm Approaches, 3. IEEE International Energy Conference (ENERGYCON), Cavtat: IEEE, 13-16 Maj, 2014, pp. 51-57, ISBN 978-1-4799-2448-6
8. Reljić D., Tomić J., Kanović Ž.: On-line Detection of the Airgap Eccentricity in a Three Phase Squirrel-Cage Induction Motor, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-6, ISBN 978-86-80509-70-9

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bugarski V., Nikolić P., Kamenko I.: Summarized information from multiple plants in one monitoring system: advantages and disadvantages on example of boilers, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP), 2014, Vol. 18, No 1, pp. 22-24, ISSN 1821-4487, UDK: 697.326
2. Kanović Ž., Bugarski V., Bačkalić T., Jeličić Z., Petković M., Matić D.: Optimization of ship lock control system using swarm-based techniques, Journal on Processing and Energy in Agriculture, 2014, Vol. 18, No 1, pp. 30-35, ISSN 1821-4487, UDK: 626.4
3. Kapetina M., Rapaić M., Atanacković-Jeličić J.: An Approach to Optimal Architectural and Urban Design from the Energy Efficiency Point of View, Serbian Journal of Electrical Engineering, 2014, Vol. 11, No 1, pp. 133-144, ISSN 1451-4869, UDK: 620.9:628.91]:004
4. Matić D., Kamenko I., Nikolić P., Bugarski V.: Optimal control of fruit and vegetables drying process, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP), 2014, Vol. 18, No 3, pp. 134-136, ISSN 1821-4487, UDK: 631.563:641.13:641.12
5. Nikolić P., Bugarski V., Matić D., Kulić F.: Modern supervisory control system in a pneumatic transport system: practical realization, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP), 2014, Vol. 18, No 2, pp. 91-93, ISSN 1821-4487, UDK: 621.86

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

1. Jakovljević B., Rapaić M., Kapetina M., Šekara T.: Usporedna analiza performansi jedne klase linearnih optimalnih regulatora celog i necelog reda, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014
2. Kapetina M., Rapaić M., Jeličić Z., Jakovljević B.: Testiranje distribuiranih algoritama pretrage zatvorenog prostora, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014
3. Lazarević S., Čongradac V., Bojanić D.: Upravljanje ventilacijom u dinamičnim VAV sistemima, 58. ETRAN, Vrnjačka Banja, 2-5 Jun, 2014, ISBN 978-86-80509-70-9
4. Šekara T., Rapaić M., Jakovljević B., Lazarević M.: Optimalni frakcioni Ziegler-Nicholsov PID regulator projektovan u frekvencijskom domenu, 13. Infoteh-Jahorina, Jahorina: Narodna i univerzitetska biblioteka Republike Srpske, Banja Luka, 19-21 Mart, 2014, ISBN 978-99955-763-3-2

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

1. Bugarski V., Nikolić P., Kamenko I.: Summarized information from multiple plants in one monitoring system: advantages and disadvantages on example of boilers, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivrei PTEP 2012, Kladovo, 6-11 April, 2014, pp. 15-16
2. Kanović Ž., Bugarski V., Bačkalić T., Petković M., Matić D.: Optimizacija rada brodske prevodnice upotrebom tehnika baziranih na imitaciji ponašanja rojeva, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivrei PTEP 2012, Kladovo, 6-11 April, 2014
3. Matić D., Kamenko I., Nikolić P., Bugarski V.: Optimal control of fruit and vegetables drying process, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivrei PTEP 2012, Kladovo, 6-11 April, 2014, pp. 55-56

Spisak rezultata M71 - Odbranjena doktorska disertacija

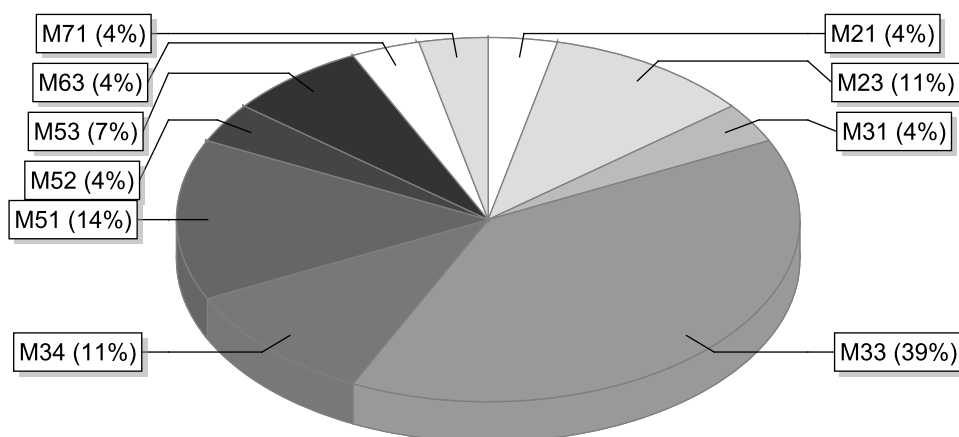
1. Ilić S.: KRATKOROČNO PREDVIĐANJE POTROŠNJE ELEKTRIČNE ENERGIJE U VELIKIM ELEKTROENERGETSKIM SISTEMIMA, Novi Sad, Fakultet Tehničkih Nauka, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za sisteme, signale i upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	11
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Obranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

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

1. Janković M., Pijetlović B., Koljević Marković A., Todorović-Tirnanić M., Beatović S., Antić V., Odalović S., Sekulić S., Jorgovanović N., Popović D.: GammaKey system for improved diagnostics with gamma cameras, *Computers in Biology and Medicine*, 2014, Vol. 50, No 2014, pp. 97-106, ISSN 0010-4825

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Erdeljan A., Čapko D., Vukmirović S., Bojanić D., Čongradac V.: Distributed PSO Algorithm for Data Model Partitioning in Power Distribution Systems, *Journal of Applied Research and Technology - JART*, 2014, Vol. 12, No 5, pp. 947-957, ISSN 1665-6423
2. Jorgovanović N., Došen S., Đozić D., Krajoski G., Dario F.: Virtual Grasping: Closed-Loop Force Control Using Electrotactile Feedback, *Computational and Mathematical Methods in Medicine*, 2014, Vol. 2014, pp. 1-13, ISSN 1748-670X
3. Jovanović D., Govedarica M., Sabo F., Sladić D., Ristić A.: Spatial analysis of high-resolution urban thermal patterns in Vojvodina, Serbia, *Geocarto International*, 2014, Vol. 30, No 3-4, ISSN 1010-6049, UDK: DOI:10.1080/10106049.2014.985747

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

1. Sladić D.: Geoportal of Republika Srpska, 1. *Modern Geodesy and Land Management*, Novi Sad: University of Appl. Sciences TFH Georg Agricola (TFH) from Bohum, Germany and University of Novi Sad, Faculty of Technical Sciences (FTN) from Novi Sad, Serbia, 4-9 Novembar, 2013

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

1. Borisov M., Nikolić G., Petrović V., Đurović R., Sušić Z.: Primena GIS u sistemu praćenja životne sredine, 5. internacionalni naučno-stručni skup Građevinarstvo, nauka, praksa – Žabljak, Crna Gora, 2014., 2. International Conference GNP 2010 Civil Engineering – Science and Practice, Podgorica: Građevinski fakultet u Podgorici, 3-7 Mart, 2008, pp. 1937-1944, ISBN 978-86-82707-23-3, UDK: COBISS.CG-ID 24170256
2. Borisov M., Trifković M.: Appliance of the new technologies at Cartography and visualisation of geospatial data, *Zbornik radova Građevinskog fakulteta, Subotica*, 2014, Vol. 1, pp. 188-200, ISSN 0352-6852, 1. Savremena dostignuća u građevinarstvu, Subotica: Građevinski fakultet Subotica Univerzitet Novi Sad, 24-25 April, 2014, pp. 188-200, ISBN ISSN: 0352-6852
3. Đozić D., Krajoski G., Popov N., Stanišić D., Lazarević S.: EEG signal processing and classification using Artificial Neural Networks, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja, 2-5 Jun, 2014
4. Jorgovanović N., Stanković M., Bojanić D., Ilić V., Tepić Ž.: LABORATORY SYSTEM FOR PHYSIOLOGICAL MEASUREMENTS, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja: ??????? ?? ?????, 2-5 Jun, 2014
5. Krajoski G., Đozić D., Bojanić D., Stanković M.: Classificatio of BCI Commands Using Artificial Intelligence Method, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014
6. Milutinović A., Popović B., Popov N.: STIM – programski jezik za kontrolu funkcionalne električne stimulacije, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad, 19-20 Jun, 2014
7. Popov N., Tepić Ž., Stanišić D., Lazarević S.: Implementation of a neural network based soft sensor, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 1079-1083
8. Pržulj Đ., Vukmanović M., Govedarica M., Radulović A.: Developing Mobile Device Application for Cadastral Data Presentation, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 157-162, ISBN 978-86-7892-652-5
9. Ristić A., Govedarica M., Vrtunski M., Petrovački D.: Application of GPR for creating underground structure model of specific areas of interest, 15. 15th International Conference on Ground Penetrating Radar, Brussels: Université catholique de Louvain & The University of Edinburgh & Roma Tre University & Delft university of Technology, 30-4 Jun, 2014, pp. 465-470, ISBN 978-1-4799-6789-6
10. Sladić D., Radulović A., Govedarica M., Jovanović D., Rašić D.: THE USE OF ONTOLOGIES IN CADASTRAL SYSTEMS, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 256-261, ISBN 978-86-85525-14-8

11. Veljko D., Marjanović D., Tepić Ž.: ANDROID APLIKACIJA ZA AKVIZICIJU I PRIKAZ EEG SIGNALA, 9. International Scientific Conference "Metrology and Quality in Production Engineering and Environmental Protection" - ETIKUM, Novi Sad: ???-???? ???, 19-20 Jun, 2014

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Jovanović D., Govedarica M., Rašić D.: REMOTE SENSING AS A TREND IN AGRICULTURE, Book of abstracts International symposium "Trends in the European agriculture development", 2014, Vol. 1, No 2, pp. 29-29, ISSN 2343-9459, 8. Trends in the European Agriculture Development, Temišvar: Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I Of Romania" from Timisoara, 29-30 Maj, 2014, pp. 29-29, ISBN 2343-9459
2. Ristić A., Petrovački D., Vrtunski M.: Ground Penetrating Radar Technology - The Usage in Agriculture, 8. Trends in the European Agriculture Development, Temišvar: Banat's University of Agricultural Science and Veterinary Medicine from Timisoara, 29-30 Maj, 2014, pp. 35-35, ISBN ISSN 2343-9459
3. Sladić D., Radulović A., Govedarica M.: Application of service oriented GIS in agriculture, 8. Trends in the European Agriculture Development, Temišvar: Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I Of Romania" from Timisoara, 29-30 Maj, 2014, pp. 40-40, ISBN ISSN 2343-9459

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Borisov M., Petrović V., Vulić M.: Vizualizacija 3D modela geopodataka i njihova primena, Geodetski Glasnik, 2014, Vol. 48, No 45, pp. 29-45, ISSN 2233-1786, UDK: 004.6:528.92
2. Đozić J., Đozić S., Bogdanović J., Sekulić V., Đozić M., Vojinović S., Levakov I., Živojinović S., Jeremić D., Marušić G., Đozić D.: Preservation surgery in patients with localized renal cell cancer--nephron sparing surgery, Acta chirurgica iugoslavic, 2014, Vol. 1, No 61, pp. 45-49, ISSN YU ISSN 0001-5457
3. Jovanović D., Sabo F., Govedarica M., Marinković B.: Crop yield estimation in 2014 for Vojvodina using methods of remote sensing, Ratarstvo i povrtarstvo, 2014, Vol. 51, No 3, pp. 145-153, ISSN 1821-3944, UDK: ISSN 2217-8392 (Online), doi:10.5937/ratpov51-6712
4. Trifković M., Pejčić G., Bešević M., Borisov M., Gholami H.: On Managing of land consolidation projects, TTEM. Tehnics technologies education management, 2014, Vol. 9, No 2, pp. 440-443, ISSN 1840-1503

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Marinković G., Trifković M., Borisov M.: Veštačenja i superveštačenja u geodetskoj struci, Zbornik radova Građevinskog fakulteta, Subotica, 2014, No 26, pp. 185-194, ISSN 0352-6852, UDK: 528:347.948

Spisak rezultata M53 - Rad u naučnom časopisu

1. Borisov M., Petrović V., Vulić M.: Prva digitalna geografska karta u Srbiji - izazovi i nove mogućnosti, Geodetska služba, 2014, No 118, pp. 5-12, ISSN 0350-7971, UDK: 912.43:656.7(084.3-16) (491.11):004.9
2. Borisov M.: Vizualizacija i gustina podataka na topografskim kartama, Geodetska služba, 2014, No 117, pp. 40-50, ISSN 0350-7971, UDK: 528.914 : 528.93

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

1. Lazarević S., Čongradac V., Bojanić D.: Upravljanje ventilacijom u dinamičnim VAV sistemima, 58. ETRAN, Vrnjaska Banja, 2-5 Jun, 2014, ISBN 978-86-80509-70-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

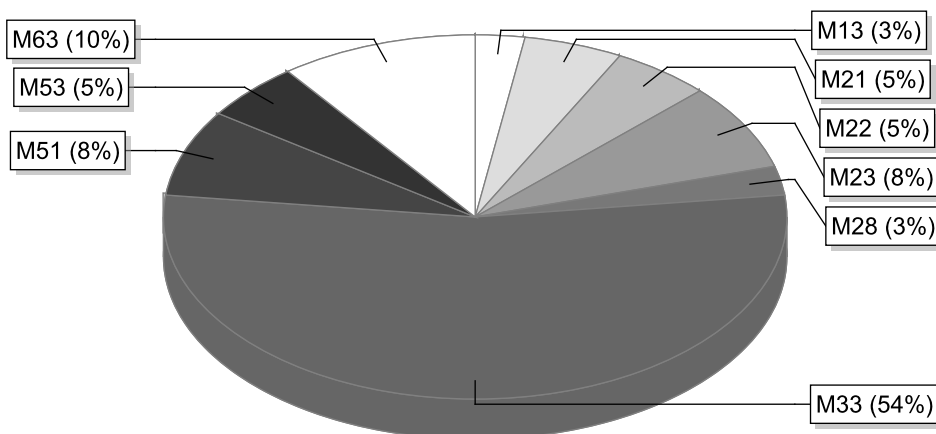
1. Stanišić D.: Metode soft senzora sa primenom u tehnološkom procesu proizvodnje cementa, Novi Sad, Univerzitet u Novom Sadu, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za primenjene računarske nauke

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	3
Uređivanje međunarodnog naučnog časopisa	M28	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	21
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u naučnom časopisu	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4



## PRODUKCIJA - REZULTATI

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

1. Ivančević V., Knežević M., Pušić B., Luković I.: Adaptive Testing in Programming Courses based on Educational Data Mining Techniques, in the book: Educational Data Mining: Applications and Trends (Chapter 10), Heidelberg, Springer, Series: Studies in Computational Intelligence, Germany, 2014, str. 257-287, ISBN 978-3-319-02737-1

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Kupusinac A., Stokić E., Doroslovački R.: Predicting body fat percentage based on gender, age and BMI by using artificial neural networks, Computer Methods and Programs in Biomedicine, 2014, Vol. 113, No 2, pp. 610-619, ISSN 0169-2607
2. Stojaković V., Popov S., Tepavčević B.: Visualization of the Centre of Projection Geometrical Locus in a Single Image, DOI 10.1111/cgf.12254, Computer Graphics Forum, 2014, Vol. 33, No 1, pp. 52-63, ISSN 0167-7055

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Stokić E., Kupusinac A., Tomić-Naglić D., Kovačev-Zavišić B., Mitrović M., Smiljenić D., Soskić S., Isenović E.: Obesity and vitamin D deficiency: trends to promote a more proatherogenic cardiometabolic risk profile, Angiology, 2014, ISSN 0003-3197, UDK: DOI: 10.1177/0003319714528569
2. Stokić E., Kupusinac A., Tomić-Naglić D., Smiljenić D., Kovačev-Zavišić B., Srdić Galić B., Soskić S., Isenović E.: Vitamin D and Dysfunctional Adipose Tissue in Obesity, Angiology, 2014, ISSN 0003-3197, UDK: DOI: 10.1177/0003319714543512

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Penca V., Nikolić S., Ivanović D., Surla D., Konjović Z.: SRU/W Based CRIS Systems Search Profile, Program: Electronic Library and Information Systems, 2014, Vol. 48, No 2, pp. 140-166, ISSN 0033-0337
2. Ristić S., Kordić (Aleksić) S., Čeliković M., Luković I.: Generic and Standard Database Constraint Meta-Models, Computer Science and Information Systems (ComSIS), 2014, Vol. 11, No 2, pp. 679-696, ISSN 1820-0214, UDK: DOI:10.2298/CSIS140216037R
3. Soskić S., Stokić E., Obradović M., Sudar E., Tanić N., Kupusinac A., Đorđević J., Isenović E.: Association of leptin gene polymorphism G-2548A with metabolic and anthropometric parameters in obese patients in a Serbian population: pilot study, Clinical Lipidology, 2014, Vol. 9, No 5, pp. 505-513, ISSN 1758-4299

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Luković I., Budimac Z., Leal J., Janousek J., Rocha Á., Burdescu D., Dragan D.: Uređivanje specijalnog izdanja časopisa: "Advances in Systems, Modeling, Languages and Agents", Vice-Editor-in-Chief, Computer Science and Information Systems (ComSIS), 2014, Vol. 11, No 4, ISSN 1820-0214

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Čeliković M., Dimitrieski V., Kordić (Aleksić) S., Ristić S., Luković I.: A DSL for EER Data Model Specification, 23. International Conference on Information Systems Development, Varaždin: University of Zagreb, Faculty of Organization and Informatics, 2-4 Septembar, 2014, pp. 290-297, ISBN 978-953-6071-43-2
2. Dimitrieski V., Čeliković M., Kordić (Aleksić) S., Ristić S., Luković I.: Extended Entity-Relationship Approach in a Multi-Paradigm Information System Modeling Tool, 4. Federated Conference on Computer Science and Information Systems, Warsaw: IEEE Computer Society Press and Polish Information Processing Society, 7-10 Septembar, 2014, pp. 1611-1620, ISBN 978-83-60810-58-3
3. Dimitrieski V., Luković I., Kordić (Aleksić) S., Čeliković M., Milosavljević G.: An Overview of Selected Visual M2M Transformation Languages, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 450-455, ISBN 978-86-85525-14-8
4. Dragan D., Petrović V., Ivetić D.: Experiences in Teaching a Retraining Course in Fundamental Programming – Importance of Active Learning Strategies, 3. International conference on applied internet and information technologies, Zrenjanin: Tehnički fakultet "Mihajlo Pupin", 24 Oktobar, 2014, pp. 7-12, ISBN 978 - 86 - 7672 - 2
5. Dragan D., Petrović V., Ivetić D.: Software tool for 2D and 3D visualization of requirement indicators in compression evaluation for PACS, 4. moNGeometrija, Vlasina: Faculty of Civil Engineering and Architecture in Niš, Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 315-324, ISBN 978-86-



6. Ivančević V., Ivetić D., Luković I.: Visual Representation of Business Process Models based on Document Flows with Model Content Simplification, 3. International conference on applied internet and information technologies, Zrenjanin: University of Novi Sad, Technical Faculty Mihajlo Pupin, 24 Oktobar, 2014, pp. 121-126, ISBN 978-86-7672-247-1
7. Ivančević V., Knežević M., Luković I.: A Course Exam Scheduling Approach based on Data Mining, 6. International Conference on Intelligent Decision Technologies, Chania: IOS Press, 18-20 Jun, 2014, pp. 132-141, ISBN 978-1-61499-404-6
8. Jocić M.: Linear Fuzzy Space Based Scoliosis Screening, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014
9. Kern H., Stefan F., Dimitrieski V., Čeliković M.: Mapping-Based Exchange of Models Between Meta-Modeling Tools, 5. Systems, Programming, Languages and Applications: Software for Humanity (SPLASH), Portland: ACM, 20-24 Oktobar, 2014, pp. 29-34, ISBN 978-1-4503-2156-3
10. Laban M., Sakulski D., Čosić Đ., Popov S.: The needs for higher education in Disaster Risk Management and Fire Safety, 16. International Scientific Conference on Industrial Systems, Novi Sad: UNIVERSITY OF NOVI SAD - FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT, 15-17 Oktobar, 2014, pp. 411-414, ISBN 978-86-7892-652-5
11. Nikolić S., Knežević M., Ivančević V., Luković I.: Building an Ensemble from a Single Naive Bayes Classifier in the Analysis of Key Risk Factors for Polish State Fire Service, 4. Federated Conference on Computer Science and Information Systems, Warsaw: IEEE Computer Society Press and Polish Information Processing Society, 7-10 Septembar, 2014, pp. 361-367, ISBN 978-83-60810-58-3
12. Nikolić S., Penca V., Ivanović D.: System for modelling rulebooks for the evaluation of scientific-research results. Case study: Serbian Rulebook, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, ISBN 978-86-85525-1
13. Obrenović N., Luković I.: An Approach to Consolidation of Database Check Constraints, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Association for Information systems and Computer networks, 9-13 Mart, 2014, pp. 210-215, ISBN 978-86-85525-14-8
14. Penca V., Nikolić S., Ivanović D.: SRU/W service for CRIS UNS system, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, ISBN 978-86-85525-1
15. Petrić T., Rakić P., Mali P., Stričević L., Radošević S.: Tulipko interactive software for visualization of Monte Carlo simulation results, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 225-228, ISBN 978-86-85525-14-8
16. Petrović V., Ivetić D., Dragan D.: R-trees and Variants in Gesture Recognition, 3. International conference on applied internet and information technologies, Zrenjanin: Tehnički fakultet "Mihajlo Pupin", 24 Oktobar, 2014, pp. 13-16, ISBN 978-86-7672-2
17. Popov S., Bender M., Tucakov J.: ARCHITECTURE PROPOSAL OF THE DISTRIBUTED MOBILE APPLICATION FOR RISK ASSESSMENT, 3. Međunarodna naučna konferencija Sinteza 2014, Beograd: Univerzitet Singidunum, Beograd, 25-26 April, 2014, pp. 668-672, ISBN 978-86-7912-539-2
18. Popov S., Čosić Đ., Sakulski D.: GI ASPECTS OF HAZARD INDICATORS CONTINUOUS MONITORING ON THE TERRITORY OF VOJVODINA, 3. Međunarodna naučna konferencija Sinteza 2014, Beograd: Univerzitet Singidunum, 25-26 April, 2014, pp. 826-830, ISBN 978-86-7912-539-2
19. Suvajdžin Rakić Z., Popov S., Petrić T.: USING SYNTAX DIAGRAMS FOR TEACHING PROGRAMMING LANGUAGE GRAMMAR, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 363-366, ISBN 978-86-85525-14-8
20. Tucakov J., Popov S.: Real time Geo-Data Acquisition in Disaster Risk Management Using Android Devices, 3. International conference on applied internet and information technologies, Zrenjanin: University of Novi Sad, Technical Faculty "Mihajlo Pupin" Djure Djakovica bb, Zrenjanin, Republic of Serbia, 24 Oktobar, 2014, pp. 173-175, ISBN 978-86-7672-247-1
21. Živanov Ž., Marić P., Milašinović D., Goleš D., Hajduković M.: Free Vibration and Bifurcation Buckling Analysis of Folded-Plate Structures using the Harmonic-Coupled Finite Strip Method, 12. International Conference on Computational Structures Technology, Naples, 2-5 Septembar, 2014

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Armenski T., Stankov U., Dolinaj D., Mesaroš M., Jovanović M., Pantelić (Pašić) M., Pavić D., Popov S., Popović Lj., Frank A., Čosić Đ.: Social and Economic Impact of Drought on Stakeholders in Agriculture, *Geographica Pannonica*, 2014, Vol. 18, No 2, pp. 34-42, ISSN 0354-8724
2. Dimitrijević D., Dimitrieski V., Nedić N.: Prototype Implementation of a Scalable Real-Time Dynamic Carpooling and Ride-Sharing Application, *Informatica*, 2014, Vol. 38, No 3, pp. 213-221, ISSN 0350-5596
3. Ristić S., Kordić (Aleksić) S., Čeliković M., Dimitrieski V., Luković I.: Database Reverse Engineering Based on Meta-Models, *Central European Journal of Computer Science*, 2014, Vol. 4, No 3, pp. 150-159, ISSN 1896-1533, UDK: DOI: 10.2478/s13537-014-0218-1

Spisak rezultata M53 - Rad u naučnom časopisu

1. Kupusinac A., Stokić E.: Estimating WHtR low-limits for the adverse metabolic profile by using artificial neural networks. *UNITE JOURNAL*, ISSN: 2335-0628,
2. Lečić D., Kupusinac A.: The Effects of the Application of Production Information Systems, *Technology Education Management Informatics - TEM*, 2014, Vol. 3, No 1, pp. 29-35, ISSN 2217-8309

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

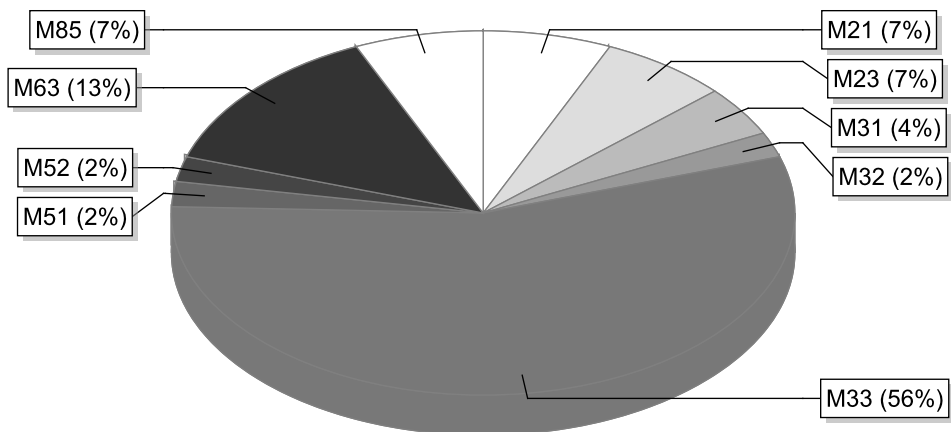
1. Novaković T., Popović Lj., Simić J., Popov S., Čosić Đ.: Primena GISa u menadžmentu osiguranja, 4. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 26 April, 2014, pp. 364-371, ISBN 978-86-84289-65-2
2. Popović Lj., Novaković T., Simić J., Čosić Đ., Popov S.: Primena geoinformacionih tehnologija u istraživačkom radu, 20. TREND - Trendovi razvoja, Kopaonik: Fakultet tehničkih nauka Novi Sad, 24-27 Februar, 2014, pp. 166-170, ISBN 978-86-7892-594-8, UDK: 378(082)
3. Simić J., Mijatov G., Duraković N., Sremački M., Novaković T., Čosić Đ., Popov S.: Contemporary Tools for Disaster Risk Management, 4. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 26 April, 2014, pp. 356-363, ISBN 978-86-84289-65-2
4. Tucakov J., Matić M., Popov S.: OpenLayers JavaScript biblioteka u sistemu za procenu rizika od katastrofalnih događaja, 4. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 26 April, 2014, pp. 372-378, ISBN 978-86-84289-65-2

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informatiku

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u međunarodnom časopisu	M23	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	25
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	3



## PRODUKCIJA - REZULTATI

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

1. Ivanović D., Ho Y.: Independent publications from Serbia in the Science Citation Index Expanded: a bibliometric analysis, *Scientometrics*, 2014, Vol. 101, No 1, pp. 603-622, ISSN 0138-9130
2. Mitrović D., Ivanović M., Budimac Z., Vidaković M.: Radigost: interoperable web-based multi-agent platform, *Journal of Systems and Software*, 2014, ISSN 0164-1212
3. Tomić J., Kušljević M., Vidaković M., Rajs V.: Smart SCADA system for urban air pollution monitoring, *Measurement*, 2014, No 58, pp. 138-146, ISSN 0263-2241

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. 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*, 2014, No 10.1177/0961000614537514, ISSN 0961-0006
2. Penca V., Nikolić S., Ivanović D., Surla D., Konjović Z.: SRU/W Based CRIS Systems Search Profile, Program: Electronic Library and Information Systems, 2014, Vol. 48, No 2, pp. 140-166, ISSN 0033-0337
3. Zarić M., Segedinac M., Sladić G., Konjović Z.: A Flexible System for Request Processing in Government Institutions, *Acta Polytechnica Hungarica*, 2014, Vol. 11, No 6, pp. 207-227, ISSN 1785-8860

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

1. Gostojić S., Sladić G., Milosavljević B., Zarić M., Konjović Z.: Semantic Driven Document and Workflow Management, 3. International conference on applied internet and information technologies, Zrenjanin, 24 Oktobar, 2014
2. Perišić B.: Model Driven Software Development - State of the Art and Perspectives, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 19-21 Mart, 2014

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

1. Dejanović I.: Domain-Specific Languages and Language Workbenches: The Future of Mainstream Programming, 13. Infoteh-Jahorina, Jahorina, 19-21 Mart, 2014, pp. 1250-1250, ISBN 978-99955-763-3-2

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

1. Bjeljac P., Perišić B., Zečević I., Venus D.: Refactoring Legacy Enterprise Information Systems to Service Oriented Architecture - The Faculty of Technical Sciences Case Study, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet (Istočno Sarajevo), 19-21 Mart, 2014, pp. 869-873, ISBN 978-99955-763-3-2
2. Dejanović I., Milosavljević G.: Performance Evaluation of the Arpeggio Parser, 4. International Conference on Information Society Technology and Management, Kopaonik, 9-13 Mart, 2014, pp. 229-234
3. Dimitrieski V., Luković I., Kordić (Aleksić) S., Čeliković M., Milosavljević G.: An Overview of Selected Visual M2M Transformation Languages, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 450-455, ISBN 978-86-85525-14-8
4. Ivanović L., Ivanović D., Surla D., Konjović Z.: User interface of web application for searching PhD dissertations of the University of Novi Sad, 11. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 26-28 Septembar, 2013, pp. 117-122
5. Jakovljević B., Kovačević A., Sečujski M., Marković M.: A Dependency Treebank for Serbian: Initial Experiments, *Lecture Notes in Artificial Intelligence (Springer)*, 2014, Vol. 8773, pp. 42-49, 16. SPECOM, Speech and Computer, Novi Sad: Springer, 5-9 Oktobar, 2014, pp. 42-49, ISBN 978-3-319-11580-1
6. Lukić M., Sladić G., Gostojić S., Milosavljević B., Konjović Z.: A System For Tracking and Recording Locations of Android Devices, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 432-437
7. Marković M., Gostojić S., Konjović Z.: Structural and Semantic Markup of Complaints: Case Study of Serbian Judiciary, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 Septembar, 2014
8. Mitrović D., Ivanović M., Vidaković M., Budimac Z.: Extensible Java EE-based agent framework in clustered environments, 12. German Conference on Multiagent System Technologies, Stuttgart, 23-25 Septembar, 2014, ISBN 978-3-319-11583-2
9. Nikolić A., Sladić G., Milosavljević B., Gostojić S., Konjović Z.: Hadoop and Pig for Internet Census Data

- Analysis, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014
10. Nikolić N., Savić G., Segedinac M., Konjović Z.: Migration from Sakai to Canvas, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 366-370, ISBN 978-86-85525-14-8
  11. Nikolić S., Penca V., Ivanović D.: System for modelling rulebooks for the evaluation of scientific-research results. Case study: Serbian Rulebook, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, ISBN 978-86-85525-1
  12. Okanović D., Vidaković M., Vuković Ž., Mitrović D., Ivanović M.: Editor for Agent-Oriented Programming Language ALAS, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 216-220, ISBN 978-86-85525-14-8
  13. Paroški M., Popović V., Konjović Z.: eCompetitions - secure common multilingual electronic public service for support of open competitions for funds in the Autonomous Province of Vojvodina, Proceedings of the 4th International Conference on Information Society and Technology (ICIST) ICIST 2014, Kopaonik, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 114-119, ISBN 978-86-85525-14-8
  14. Penca V., Nikolić S., Ivanović D.: SRU/W service for CRIS UNS system, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, ISBN 978-86-85525-1
  15. Perišić A., Perišić B., Lazić M.: The Foundation of Domain Specific Language for Architectural and Urban Design, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 19-21 Mart, 2014
  16. Perišić B., Perišić A., Lazić M.: The Broker Solution Example of Domain Specific Languages Orchestration Framework, 23. Electrotechnical and Computer Science Conference, Portorož, 22-24 Septembar, 2014, pp. 3-6
  17. Perišić I., Kekeljević I., Venus D.: Model Driven Dynamic Resources Finder (MDD\_RF) The University of Novi Sad Campus Case Study, Infoteh, Jahorina, 2014, Vol. 300, No 13, pp. 1257-1261, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Vuka Karadžića 30, 71123 Istočno Sarajevo, 19-21 Mart, 2014, pp. 1257-1261, ISBN ISBN 978-99955-763-3
  18. Petrović G., Nikolić A., Segedinac M., Kovačević A., Konjović Z.: Grader: An LTI app for automatic, secure, program validation using the Docker sandbox, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 221-224, ISBN 978-86-85525-14-8
  19. Savić G., Segedinac M., Konjović Z., Vesković M., Bošnjak Z.: Softverska infrastruktura za tehnološki podržano učenje na Univerzitetu u Novom Sadu, 20. TREND - Trendovi razvoja, Kopaonik: Fakultet tehničkih nauka, 24-27 Februar, 2014, pp. 230-234
  20. Savić G., Segedinac M., Nikolić N., Konjović Z.: Sakai CLE in Serbian Higher Education, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 328-332, ISBN 978-86-85525-14-8
  21. Slivka J., Kovačević A., Konjović Z.: Addressing the cold-start new-user Problem for Recommendation with Co-training, 4. International Conference on Information Science and Technology (ICIST), Kopaonik, 9-13 Mart, 2014, pp. 204-209, ISBN 978-86-85525-14-8
  22. Slivka J., Nikolić M., Ristovski K., Radosavljević V., Obradović Z.: Distributed Gaussian Conditional Random Fields Based Regression for Large Evolving Graphs, 1. SIAM International Conference on Data Mining, Philadelphia, 24-26 April, 2014
  23. Surla D., Ivanović D., Konjović Z.: Development of the software system CRIS UNS, 11. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 26-28 Septembar, 2013, pp. 111-116
  24. Tomić J., Kušljević M., Vidaković M., Živanov M.: Implementation of industrial networks and protocols in the LabVIEW program, 1. International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Vrnjačka Banja: ETRAN, 2-5 Jun, 2014, pp. 1-6, ISBN 978-86-80509-70-9
  25. Zarić M., Milosavljević B., Surla D.: Server Selection for Search/Retrieval in Distributed Library Systems, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 73-79, ISBN 978-86-85525-14-8

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Marković M., Gostojić S., Konjović Z., Laanpere M.: Machine-Readable Identification and Representation of

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Marković M., Gostojić S., Milosavljević B.: Primena jezika za modelovanje poslovnih procesa u pravosuđu, INFO M - Časopis za informacione tehnologije i multimedijalne sisteme, 2014, ISSN 1451-4397

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

1. Lugonja A., Pap I., Pavlović R., Vidaković M.: PREDLOG REŠENJA PROGRAMSKE PODRŠKE ZA REALIZACIJU DTV SEKUNDARNOG EKRANA NA iOS PLATFORMI, 58. ETRAN, Vrnjaska Banja, 2-5 Jun, 2014
2. Mitrović D., Ivanović M., Vidaković M., Sredojević D., Okanović D.: INTEGRACIJA AGENTSKOG JEZIKA ALAS U JAVA AGENTSKO OKRUŽENJE XJAF, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: YuInfo, 9-13 Mart, 2014
3. Molnar R.: Modeliranje i implementacija procesa postavljanje na javni uvid doktorskih disertacija, 20. YU INFO, Kopaonik, 2014
4. Perišić B., Zečević I., Bjeljic P., Venus D.: Model za podršku komparativnoj analizi strukture znanja sadržane u studijskim programima, 20. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 24-27 Februar, 2014, pp. 294-297, ISBN 978-86-7892-594-8
5. Vuković Ž., Milanović N., Okanović D.: Sistem integracija primenom Apache Camel platforme, 20. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže, 2014, pp. 417-421, ISBN 978-86-85525-13-1
6. Zečević I., Perišić B., Venus D., Perišić I., Bjeljic P., Kekeljević I.: Nastavnički web-portal - podrška operativnom radu nastavnog osoblja visokoškolskih ustanova, 20. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 24-27 Februar, 2014, pp. 219-222, ISBN 978-86-7892-594-8

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

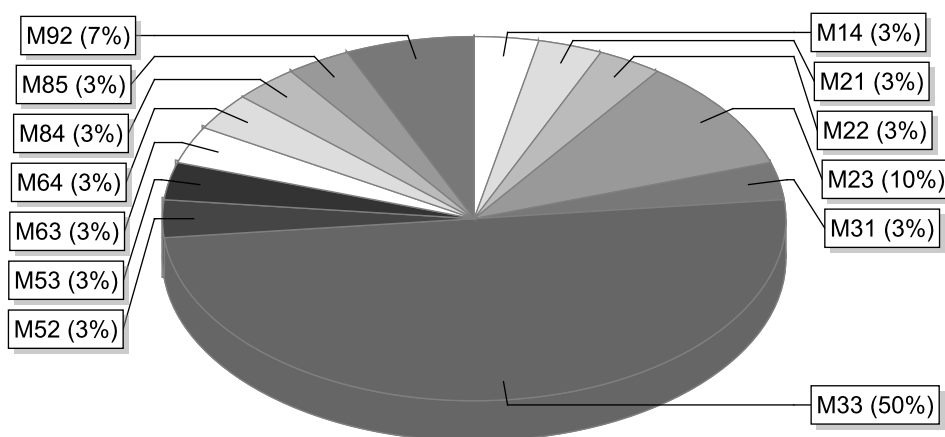
1. Gostojić S., Milosavljević B., Konjović Z.: Sistem za pronalaženje i pregledanje pravnih akata, 2014
2. Konjović Z., Milosavljević B., Sladić G., Gostojić S.: Sistem za upravljanje elektronskim dokumentima, 2014
3. Zarić M., Segedinac M., Sladić G., Konjović Z., Milosavljević B.: Систем за обраду електронских захтева, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarsku tehniku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	1
Rad u međunarodnom časopisu	M23	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2



## PRODUKCIJA - REZULTATI

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

1. Kukolj D.: Towards understanding the role and value of patents in a knowledge-based economy, Novi Sad, Faculty of Technical Sciences, DAAAM International (Vienna, Austria) and Fraunhofer IAO (Stuttgart, Germany), 2014, str. 137-152, ISBN 978-3-902734-00-6

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Šarić Z., Pap I., Kukolj D., Velikić I., Velikić G.: Partitioned Block Frequency Domain Acoustic Echo Canceller with Fast Multiple Iterations, Digital Signal Processing, 2014, Vol. 27, pp. 119-128, ISSN 1051-2004, UDK: DOI: <http://dx.doi.org/10.1016/j.dsp.2014.01.008>

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Punt M., Bjelica M., Zdravkovic V., Teslić N.: An integrated environment and development framework for social gaming using mobile devices, digital TV and Internet, Multimedia Tools and Applications, 2014, pp. 1-29, ISSN 1380-7501

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Đukić M., Popović M., Četić N., Považan I.: Embedded processor oriented compiler infrastructure, Advances in Electrical and Computer Engineering, 2014, Vol. 14, No 3, pp. 123-130, ISSN 1582-7445
2. Mileusnić M., Jovanović P., Popović M., Lebl A., Mitić D., Markov Ž.: Influence of Intra-cell Traffic on the Output Power of Base Station in GSM, Radioengineering, 2014, Vol. 23, No 2, pp. 601-608, ISSN 1210-2512
3. Mileusnić M., Popović M., Lebl A., Mitić D., Markov Ž.: Influence of Users' Density on the Mean Base Station Output Power, Electronics and electrical engineering, 2014, Vol. 20, No 9, pp. 74-79, ISSN 1392-1215

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

1. Velikić G., Bjelica M., Ignjatov N., Četković M., Kaštelan I.: The Personalization of a Cloud Ecosystem: Adding Dimensions to Situational Awareness, 10. INDEL, Banja Luka, 6-8 Novembar, 2014

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bašičević I., Četić N., Popović M., Krnić M.: A Light-weight SIP-based Execution Management Service for Bag-of-tasks Grid System, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 919-922, ISBN 978-1-4799-6191-7
2. Bašičević I., Pijetlović S.: A solution of an ontology used as a data model for an Internet content provider, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 858-861
3. Bjelica M., Pap I., Teslić N.: Diagnostic CWMP Client for Set-Top Box Devices, 30. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 13-16 Januar, 2012, pp. 1-4, ISBN 978-1-4799-1291-9/14
4. Bokan D., Đukić M., Popović M., Četić N.: Adjustment of GCC compiler frontend for embedded processors, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 983-986, ISBN 978-1-4799-6191-7
5. Busch C., Herlihy M., Popović M., Sharma G.: Brief Announcement: Scheduling Multiple Objects in Distributed Transactional Memory, 28. The International Symposium on DIStributed Computing DISC 2014, Texas, 12-15 Oktobar, 2014
6. Djordjević D., Kukolj D., LeCallet P.: 3D Image Quality Assessment Using Takagi-Sugeno-Kang Fuzzy Model, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica: IEEE, 11-13 Septembar, 2014
7. Krnić M., Četić N., Popović M., Považan I.: Unit Test Case Generator and Automated Regression Testing in Terms of Firmware Development, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 1079-1082, ISBN 978-1-4799-6191-7
8. Nikolić M., Majstorović D., Kaštelan I., Pjevalica N.: An Approach to Improvement of Students Learning of Computer System Engineering, 4. Federated Conference on Computer Science and Information Systems, Warsaw: Polskie Towarzystwo Informatyczne, 7-10 Septembar, 2014, pp. 17-20, ISBN 978-83-60810-64-4
9. Pap I., Savić M., Bjelica M., Kovačević J.: Real-time AV Synchronization Delay Measurement for Multimedia Devices, 30. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 13-16 Januar, 2012, pp. 1-4, ISBN 978-1-4799-1291-9/1



10. Popović M., Bašičević I.: Conflict Types and Probabilities in Stochastic TM-Programs, 4. 4th IEEE International Conference on Information Science and Technology (ICIST 2014), Shenzhen, Guangdong: IEEE Press, 26-28 April, 2014, pp. 19-22, ISBN 978-1-4799-4809-3
11. Popović M., Kordić B.: Python Software Transactional Memory, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 1106-1109, ISBN 978-1-4799-6191-7
12. Radonic S., Đukić M., Četić N., Popović M.: One solution of loop invariant code motion compiler optimisation, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 1103-1015, ISBN 978-1-4799-6190-0
13. Tekić Ž., Dražić M., Kukulj D., Vitas M.: From patent data to business intelligence – PSALM case studies, Procedia Engineering, 2014, No in press, ISSN 1877-7058, 24. DAAAM International Symposium, Zadar: Elsevir, 23-26 Oktobar, 2013, ISBN 1877-7058
14. Tekić Ž., Vitas M., Drazic M., Kukulj D.: Valuing and Dealing Patents in High-Tech Industries – Implications for SMEs, 7th Int. Conference ICEIRD'14, 5-6 June., 6. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Istanbul, 20-21 Jun, 2013
15. Vitas M., Kukulj D., Drazic M., Tekić Ž.: The Development of an Appropriate Framework of IP Management, 6th Int. Conf. on Defensive Technologies – OTEH 2014, 9-10 Oct., 2014., 5. Scientific Conference on Defensive Technologies OTEH, Beograd, 18-19 Septembar, 2012

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Krunic M., Četić N., Đukić M., Považan I., Popović M.: Integrated development environment for multi-core systems, Tehnika, 2014, Vol. 69, No 5, pp. 818-826, ISSN 0040-2176

Spisak rezultata M53 - Rad u naučnom časopisu

1. Kovačević V., Popović M., Teslić N., Bašičević I., Atlagić B., Jurca Ž., Obradović M., Jovanović P., Maruna T., Šuh T., Mileusnić M., Lebl A., Mitić D., Trenkić B., Markov Ž.: Saobraćajna analiza GSM ćelije u mobilnoj mreži u zavisnosti od unutarćeljskog saobraćaja, Telekomunikacije -stručno-naučni časopis Republičke agencije za telekomunikacije, 2014, No 13, pp. 70-81, ISSN 1820-7782

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

1. Ostojic I., Kukulj D., Drazic M., Vitas M., Tekić Ž.: Software tool for the analysis of patent documents, 58. ETRAN, Vrnjaska Banja: ETRAN, 2-5 Jun, 2014

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

1. Kukulj D., Djodjevic D., Drazic M., Vitas M.: Procena kvaliteta multimedijalnog sadržaja upotrebom različitih modela i metrika za estimaciju, 7. InterRegioSci, Novi Sad: Pokrajinski Sekret. za nauku Vojvodine, 8 Maj, 2014

Spisak rezultata M84 - Bitno poboljšan postojeći proizvod ili tehnologija

1. Jokić S., Krčo S., Pokrić M., Sakač D., Jokić I., Perić Z., Delić V.: Mobilni telemedicinski sistem "EKG za svakoga" - <http://www.ftn.uns.ac.rs/995788627/mobilni-telemedicinski-sistem--ekg-za-svakoga->, 2014

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

1. Letvenčuk I., Popović M., Kovačević J., Považan I., Krunic M., Četić N.: Grafičko okruženje za programiranje višejezgaranih sistema, 2014

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

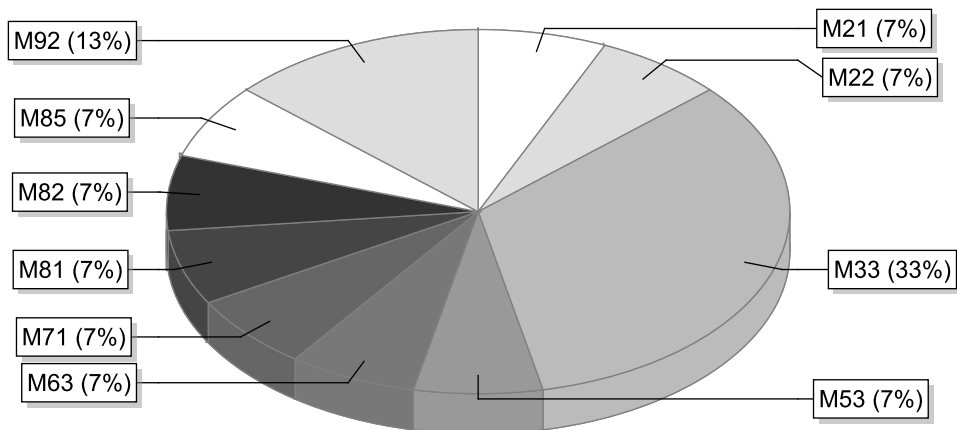
1. Bjelica M., Pap I., Ilkić V., Benarik L.: Method for organization and control of DTV user interface with simulated depth, Patentna prijava P-2014/0514, 2014
2. Mrazovac B., Kukulj D., Todorovic B., Samardžija D.: Metod za RF detekciju čoveka I razlikovanje od drugih objekata, P-2014-0638., Beograd, ZIS, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarske komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Odbranjena doktorska disertacija	M71	1
Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo	M81	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	2



## PRODUKCIJA - REZULTATI

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

1. Šarić Z., Pap I., Kukulj D., Velikić I., Velikić G.: Partitioned Block Frequency Domain Acoustic Echo Cancellor with Fast Multiple Iterations, Digital Signal Processing, 2014, Vol. 27, pp. 119-128, ISSN 1051-2004, UDK: DOI: <http://dx.doi.org/10.1016/j.dsp.2014.01.008>

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

1. Punt M., Bjelica M., Zdravkovic V., Teslić N.: An integrated environment and development framework for social gaming using mobile devices, digital TV and Internet, Multimedia Tools and Applications, 2014, pp. 1-29, ISSN 1380-7501

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

1. Bjelica M., Pap I., Teslić N.: Diagnostic CWMP Client for Set-Top Box Devices, 30. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 13-16 Januar, 2012, pp. 1-4, ISBN 978-1-4799-1291-9/14
2. Janičić V., Ilić V., Pjevalica N., Nikolić M.: An approach to modeling the hysteresis in ferromagnetic by adaptation of Preisach model, 22. Telekomunikacioni forum TELFOR, Beograd: TELFOR, 25-27 Novembar, 2014, pp. 761-764, ISBN 978-1-4799-6191-7/14
3. Kovačević J.: Advanced Rate Adaptation Algorithm in Video Streaming Over HTTP, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin, 6-8 Oktobar, 2011
4. Nikolić M., Majstorović D., Kaštelan I., Pjevalica N.: An Approach to Improvement of Students Learning of Computer System Engineering, 4. Federated Conference on Computer Science and Information Systems, Warsaw: Polskie Towarzystwo Informatyczne, 7-10 Septembar, 2014, pp. 17-20, ISBN 978-83-60810-64-4
5. Pap I., Savić M., Bjelica M., Kovačević J.: Real-time AV Synchronization Delay Measurement for Multimedia Devices, 30. International Conference on Consumer Electronics, Las Vegas: IEEE Consumer Electronics Society, 13-16 Januar, 2012, pp. 1-4, ISBN 978-1-4799-1291-9/1

### Spisak rezultata M53 - Rad u naučnom časopisu

1. Kovačević V., Popović M., Teslić N., Bašičević I., Atlagić B., Jurca Ž., Obradović M., Jovanović P., Maruna T., Šuh T., Mileusnić M., Lebl A., Mitić D., Trenkić B., Markov Ž.: Saobraćajna analiza GSM ćelije u mobilnoj mreži u zavisnosti od unutarćeljskog saobraćaja, Telekomunikacije -stručno-naučni časopis Republičke agencije za telekomunikacije, 2014, No 13, pp. 70-81, ISSN 1820-7782

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

1. Lugonja A., Pap I., Pavlović R., Vidaković M.: PREDLOG REŠENJA PROGRAMSKE PODRŠKE ZA REALIZACIJU DTV SEKUNDARNOG EKRANA NA iOS PLATFORMI, 58. ETRAN, Vrnjaska Banja, 2-5 Jun, 2014

### Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Lukić N.: Predlog proširenja Android operativnog sistema servisima digitalne televizije, Novi Sad, Fakultet tehničkih nauka, 2014, 2014

### Spisak rezultata M81 - Novi proizvod ili tehnologija uvedeni u proizvodnju - međunarodni nivo

1. Vujičić V., Pejić D., Pjevalica N., Sovilj P., Mitrović Z., Urekar M., Beljić Ž., Gazivoda N., Radonjić A., Vujičić B.: Sistem za merenje, kontrolu i nadzor nad tokovima električne snage i energije u DTS XkV/0,4kV, 2014

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

1. Mitrović Z., Vujičić B., Gazivoda N., Pjevalica N., Pejić D., Sovilj P., Urekar M., Pjevalica V.: Prototip trofaznog limitera, 2014

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

1. Letvenčuk I., Popović M., Kovačević J., Považan I., Krunic M., Četić N.: Grafičko okruženje za programiranje višejezgarnih sistema, 2014

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

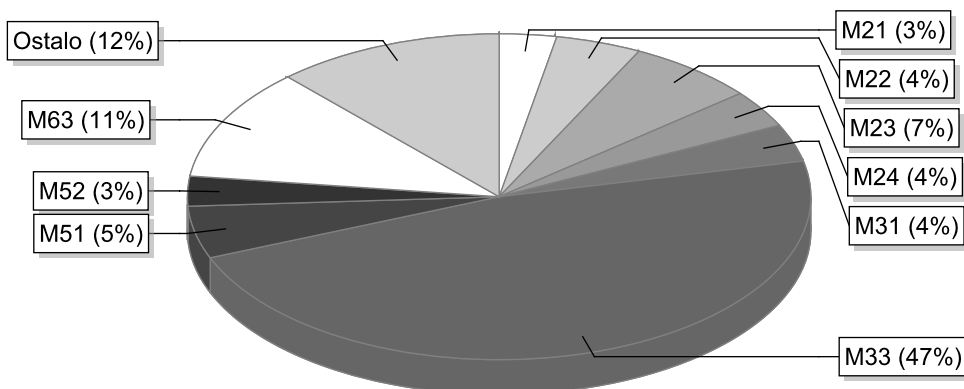
1. Bjelica M., Pap I., Ilić V., Benarik L.: Method for organization and control of DTV user interface with simulated depth, Patentna prijava P-2014/0514, 2014
2. Mrazovac B., Kukulj D., Todorovic B., Samardžija D.: Metod za RF detekciju čoveka i razlikovanje od drugih objekata, P-2014-0638., Beograd, ZIS, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za građevinarstvo i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	1
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	6
Rad u međunarodnom časopisu	M23	9
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	5
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	5
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	64
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	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	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	15
Odbranjena doktorska disertacija	M71	2
Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak	M83	1

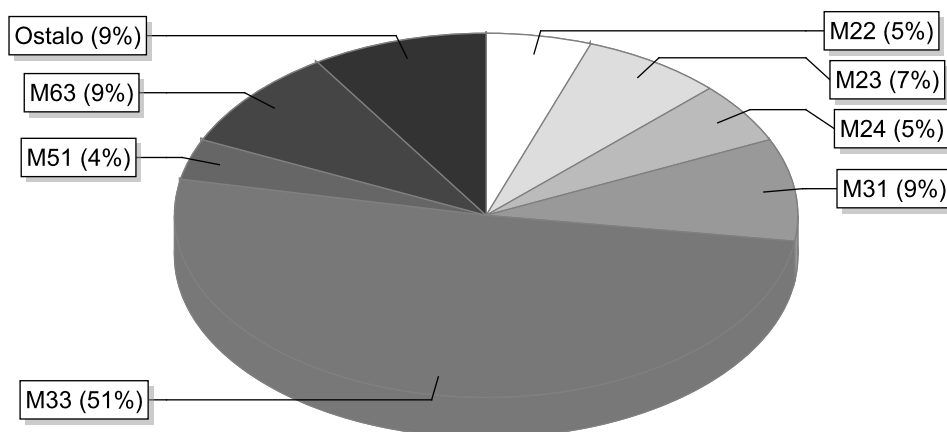


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za konstrukcije

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	4
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	3
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	5
Predavanje po pozivu sa međunarodnog skupa štampano u izvodu	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	28
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
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. Folić R.: Bridge Engineering in Serbia, Ch. 16 in Handbook of International Bridge Engineering, Ed. Wai.Fah Chen and Iian Duan, Taylor and Frances Group, CRC Press, Boca Raton, London, New York, 2014, str. 687-746, ISBN 978-1-4398-1029-3

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Vukobratović V., Fajfar P.: A method for the direct determination of approximate floor response spectra for SDOF inelastic structures, Bulletin of Earthquake Engineering, 2014, pp. 1-20, ISSN 1570-761X, UDK: DOI 10.1007/s10518-014-9667-0

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Harmati N., Folić R., Mađar Z.: ENERGY PERFORMANCE MODELLING AND HEAT RECOVERY UNIT EFFICIENCY ASSESSMENT OF AN OFFICE BUILDING, Thermal Science - International Scientific Journal, 2014, ISSN 0354-9836
2. Laban M., Folić R.: Energy efficiency of industrially made buildings influenced by thermal properties of facades, Thermal Science - International Scientific Journal, 2014, Vol. 18, No 2, pp. 615-630, ISSN 0354-9836, UDK: 621
3. Prokić A., Lukić D., Lađinović Đ.: Automatic analysis of thin-walled laminated composite sections, Steel and Composite Structures, 2014, Vol. 16, No 3, pp. 233-252, ISSN 1229-9367

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Balabušić M., Folić R.: Energy analysis of the critical force of slender RC columns, Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2014, Vol. 167, No 12, ISSN 0965-0911, UDK: DOI:10.1680/stub.1300064
2. Čosić M., Folić B., Folić R.: Numerical simulation of the pile integrity test on defective piles, Acta Geotechnica Slovenica, 2014, Vol. 11, No 2, pp. 5-19, ISSN 1854-0171
3. Čosić M., Folić R., Folić B.: Utjecaj parametara akcelerograma na seizmički odziv konstrukcija, Građevinar, 2014, Vol. 66, No 9, pp. 787-800, ISSN 0350-2465, UDK: 624+69(05)=862
4. Radonjanin V., Malešev M., Folić R., Lukić I.: Assessment and Repair of the Bearing Structure of Gradiska Cultural Centre after Fire, Technical Gazette, Tehnicki vjesnik - Technical Gazette, 2014, ISSN 1330-3651

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

1. Čosić M., Folić B., Folić R., Sedmak S.: Performance-based seismic analysis of overpass over highway E-75 by Kovilj, Structural Integrity and Life, 2014, Vol. 4, No 1, pp. 39-51, ISSN 1451-3749
2. Džolev I., Lađinović Đ., Rašeta A., Radujković A.: Pushover analysis of RC bridge designed according to EN 1998-2, Construction of Unique Buildings and Structures, 2014, pp. 116-125, ISSN 2304-6295
3. Starčev-Čurčin A., Lađinović Đ., Radujković A., Rašeta A.: Design of RC reinforced concrete multi-storey frame according to standard EN 1998-1, Construction of Unique Buildings and Structures, 2014, pp. 126-136, ISSN 2304-6295

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

1. Bulajić B., Lađinović Đ.: Definisane seizmičkog dejstva u Nacionalnom Aneksu za Evrokod 8, 15. Konferencija Savremena građevinska praksa, Andrevlje, 22-23 Maj, 2014, pp. 125-147
2. Bulajić B., Manić M., Lađinović Đ.: On the application of Uniform Hazard Spectra in earthquake engineering, 4. Safety Engineering, Novi Sad, 2-3 Oktobar, 2014, pp. 341-351
3. Folić R., Čosić M.: Vulnerability of damaged structures: The concept of the scenario of related non-linear analysis, 1. International Conference on Civil Engineering Design and Construction (Science and Practice), Varna, 11-13 Septembar, 2014, pp. 14-15, ISBN 978-954-322-310-7
4. Folić R., Petronijević P.: Modelling of RC walls under seismic actions, 1. Savremena dostignuća u građevinarstvu, Subotica, 24-25 April, 2014, pp. 241-241
5. Ranković S., Folić R., Vacev T.: Condition assessment for a concrete arch road bridge: case study "Nišava Bridge", Društvo građevinskih konstruktera Srbije, 14. Kongres konstruktera Srbije, Novi Sad: Društvo građevinskih konstruktera Srbije, 24-26 Septembar, 2014, pp. 351-358, ISBN 978-86-85073-19-9

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

1. Folić R.: Robustness of Building and Bridge Structures, 9. International Conference University of Structural Engineering and Architecture, Sofija, 5-6 Jun, 2014, ISBN 1314-071X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Babić L., Folić R.: Elastoplastic models for nonlinear dynamic response of RC frames, 4. Zemljotresno inženjerstvo i inženjerska seizmologija, Borsko jezero, 19-21 Maj, 2014, pp. 187-196, UDK: 624.012.45.042.7
2. Bulajić B.: A contribution to more reliable definition of design response spectra in the north-western Balkans, 1. 10 years SEEFORM“ Scientific conference: South Eastern European graduate school for Master and PhD formation in engineering: scholars successful stories, Skoplje, 9-10 Oktobar, 2014, pp. 3-4
3. Džolev I., Lađinović Đ., Rašeta A., Petronijević M., Nefovska-Danilović M.: Effect of relative length of columns on nonlinear response of RC girder bridge, 4. Zemljotresno inženjerstvo i inženjerska seizmologija, Borsko jezero: Savez građevinskih inženjera Srbije, 19-21 Maj, 2014, pp. 299-304, ISBN 978-86-88897-05-1, UDK: 624.21.042.7
4. Džolev I., Lađinović Đ., Rašeta A., Radujković A.: Nonlinear dynamic analysis of girder bridge designed in accordance with EN 1998-2 exposed to earthquake, 1. CONTEMPORARY ACHIEVEMENTS IN CIVIL ENGINEERING, Subotica: Univerzitet u Novom Sadu, Građevinski fakultet Subotica, 24-25 April, 2014, pp. 391-396, ISBN 0352-6852, UDK: 624.21:624.042.7:517.988
5. Džolev I., Lađinović Đ., Rašeta A., Radujković A.: Nonlinear static pushover analysis of RC girder bridge designed in accordance with EN 1998-2, 5. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 17-21 Februar, 2014, pp. 629-636, ISBN 978-86-82707-23-3
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#### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

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1. Hiel K., Kočetov Mišulić T.: Wood as material in design of pavilions, Zbornik radova Građevinski fakultet, Subotica, 2014, pp. 763-769, ISSN 0352-6852

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

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2. Manić M., Bulajić B., Trifunac M.: Микрорејонизација Бања Луке базирана на методи спектра униформног хазарда, 10. Savremena teorija i praksa u graditeljstvu, Banja Luka, 15-16 Maj, 2014, pp. 65-72
3. Manić M., Bulajić B.: Oštećenja na zidanim zgradama u Kraljevačkom regionu tokom zemljotresa od 03.11.2010. godine, 5. Građevinarstvo nauka i praksa, Žabljak, 17-21 Februar, 2014, pp. 677-684
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5. Memić M., Folić R.: Analiza uticaja dodatnog opterećenja na fleksibilne potporne konstrukcije, 4. Zemljotresno inženjerstvo i inženjerska seizmologija, Borsko jezero, 19-21 Maj, 2014, pp. 353-364, UDK: 624.131.7

Spisak rezultata M71 - Odbranjena doktorska disertacija

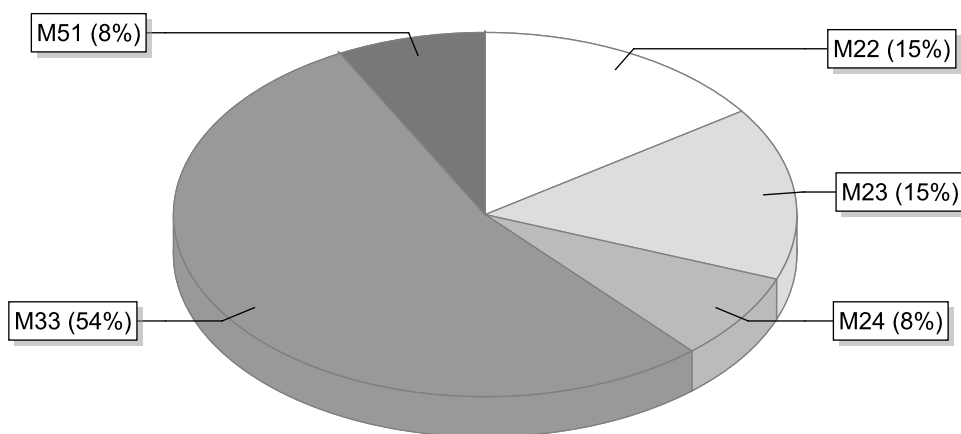
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# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za geotehniku i saobraćajnice

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Rad u vodećem časopisu nacionalnog značaja	M51	1



## PRODUKCIJA - REZULTATI

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

1. Matić B., Matić D., Sremac S., Radović N., Viđikant P.: A model for the pavement temperature prediction at specified depth using neural networks , Metalurgija, 2014, Vol. 53, No 4, pp. 665-667, ISSN 0543-5846, UDK: 621.747.621.006.2:658.564=111
2. Sremac S., Gladović P., Đelošević M., Matić B., Matić A.: Development of Polymer Packaging for Power Cable, Metalurgija, 2014, Vol. 53, No 4, pp. 693-696, ISSN 0543-5846, UDK: 678.2.004.3:621.315.2=111

### Spisak rezultata M23 - Rad u međunarodnom časopisu

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2. Radović N., Mirković K., Šešlija M., Peško I.: OUTPUT AND PERFORMANCE BASED ROAD MAINTENANCE CONTRACTING – CASE STUDY SERBIA, Tehnicki vjesnik - Technical Gazette, 2014, Vol. 3, No 21, pp. 681-688, ISSN 1330-3651, UDK: 347.44:625.76(497.11)

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

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

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3. Šešlija M., Radović N., Bibić (Đorđević) D., Mučenski V.: Analysis the concrete pavement on the bus station in Novi Sad, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 329-336, ISBN 978-86-87615-05-2
4. Šešlija M., Radović N., Mučenski V., Bibić (Đorđević) D.: Uticaj temperaturnih promena na betonski kolovoz - Effect of temperature changes on concrete pavement, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanja materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 337-344, ISBN 978-86-87615-05-2
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### Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

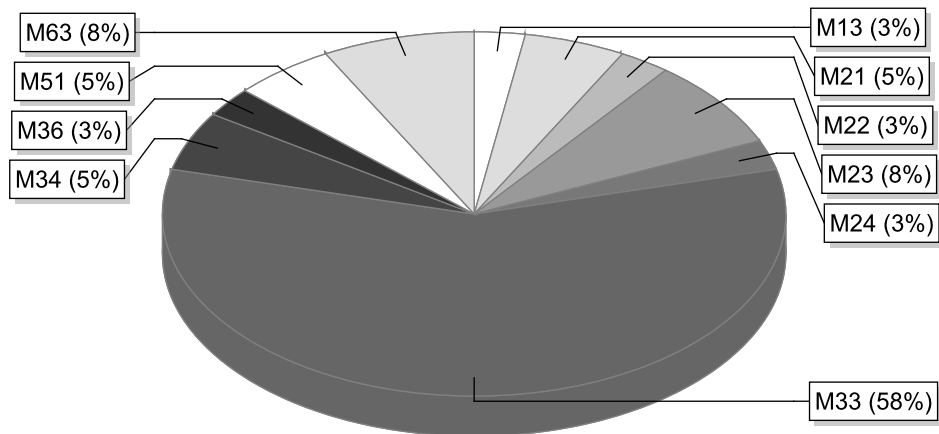
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za građevinske materijale, procenu stanja i sanaciju konstrukcija

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	3
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	22
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



## PRODUKCIJA - REZULTATI

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

1. Radeka M.: Self-Cleaning Materials and Surfaces-A Nanotechnology Approach Editor: Walid A Daoud J. Ranogajec and M. Radeka Self-Cleaning Surface of Clay Roofing Tiles, New Delhi, Wiley, 2014, str. 89-123, ISBN 9781119991779

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

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

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2. Dražić J., Malešev M., Radonjanin V., Lukić I.: Multicriteria decision making on possibilities of using structural concrete based on recycled aggregate, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja, 29-31 Oktobar, 2014, pp. 203-214
3. Krsmanović B., Čeranić T., Uljarević M., Šupić S., Mirić D., Petrićević O., Cvijović M.: PROCJENA STANJA HIDROTEHNIČKOG OBJEKTA U NOVOM SADU, 8. Assessment, maintenance and rehabilitation of structures and settlements, Borsko jezero: Savez građevinskih inženjera Srbije, 14-16 Maj, 2013, pp. 337-344, ISBN 978-86-88897-03-7
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5. Laban M., Dražić J., Vukoslavčević S.: Energy efficiency improvement and fire safety of building facades, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and management, 15-17 Oktobar, 2014, pp. 425-430, ISBN 978-86-7892-652-5
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9. Laban M.: Volunteer Fire Associations in Vojvodina, 4. Safety Engineering, Novi Sad: Visoka tehnička škola strukovnih studija Novi Sad, 2-3 Oktobar, 2014, ISBN 978-86-6211-095-4
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11. Malešev M., Radonjanin V., Radeka M., Milović (Tatomirović T., Lukić I., Bulatović V.): Zeolite impact on basic physical and mechanical properties of cement mortars, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 225-236, ISBN 978-86-87615-05-2
12. Milović (Tatomirović T., Radeka M.): Zeolite as pozzolanic material, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 215-224, ISBN 978-86-87615-05-2
13. Milović (Tatomirović T., Tatomirović M., Malešev M., Radonjanin V.): Metakaolin as partial replacement of portland cement in high strength/performance concrete, 5. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 17-21 Februar, 2014, pp. 1139-1146, ISBN 978-86-82707-23-3
14. Petrović S., Radonjanin V., Malešev M., Šumarac D., Lukić I.: Application of heat pumps in order to improve energy efficiencies of multi-storey building, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja, 29-31 Oktobar, 2014, pp. 555-568
15. Radeka M., Malešev M., Radonjanin V., Milović (Tatomirović T.): Pozzolanic activity of natural zeolite from one Serbian deposit, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 191-201, ISBN 978-86-87615-05-2
16. Radonjanin V., Malešev M., Lukić I., Šupić S., Vukoslavčević S.: THE ASSESSMENT AND REPAIR OF THE PRECAST RC STRUCTURE EXPOSED TO FIRE, 5. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 17-21 Februar, 2014, pp. 1245-1252, ISBN 978-86-82707-23-3
17. Sremački M., Simić J., Kovačević S., Radonjić D., Vojinović-Miloradov M.: Detection of emerging and priority substances in surface water - GCMS screening method optimisation, 3. International Conference "Ecology of Urban Areas", Zrenjanin: Technical Faculty "Mihajlo Pupin", UNS, 11 Oktobar, 2013
18. Šešlija M., Stojanović M., Radović N., Radonjanin V., Malešev M.: USE OF FLY ASH FOR EMBANKMENT CONSTRUCTION IN ROAD CONSTRUCTION WITH AND WITHOUT BINDERS, 5. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet u Podgorici, 17-21 Februar, 17-21 Februar, 2014, pp. 1133-1138, ISBN 978-86-82707-23-3
19. Šupić S., Vukoslavčević S., Laban M.: VULNERABILITY OF PRECAST INDUSTRIAL BUILDINGS EXPOSED TO FIRE, 4. Safety Engineering, Novi Sad: Visoka tehnička škola strukovnih studija, 2-3 Oktobar, 2014, pp. 54-60, ISBN 978-86-6211-095-4
20. Uljarević M., Šupić S.: ISPITIVANJE STATIČKOG I DINAMIČKOG MODULA STIŠLJIVOSTI TAMPON SLOJA KOLOVOZNE KONSTRUKCIJE, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 373-385, ISBN 978-86-87615-05-2
21. Vukoslavčević S., Šupić S., Malešev M., Radonjanin V., Bulatović V., Lukić I.: THE INFLUENCE OF FLY ASH AND DECREASING WATER-POWDER RATIO ON BASIC PROPERTIES OF RECYCLED AGGREGATE CONCRETE, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za

ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 161-176, ISBN 978-86-87615-05-2

22. Vukoslavčević S., Šupić S.: ASSESSMENT AND REPAIR OF RAILWAY UNDERPASS IN TEMERINSKA STREET IN NOVI SAD, 5. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 17-21 Februar, 2014, pp. 1269-1276, ISBN 978-86-82707-23-3

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Hodolić J., Kiš (Kiss) F., Martinov M., Radonjanin V., Vujić G., Budak I.: Teaching of engineers in LCA: 15 years of experience at the University of Novi Sad, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC Europe., 24-26 Novembar, 2014
2. Sremački M., Vojinović-Miloradov M., Radonić (Jakšić) J., Turk Sekulić M., Stošić M., Simić J., Živančev (Šenk) N.: Method optimization and analysis of organic environmental pollutants from meat processing industry wastewater, 24. SETAC Europe Annual Meeting, Basel, 11-15 Maj, 2014

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Laban M., Milanko V.: 4th International Scientific Conference SAFETY ENGINEERING - fire, environment, work environment, integrated risks and 14th International Conference FIRE AND EXPLOSION PROTECTION, Novi Sad, 2-3. October 2014. BOOK OF PROCEEDINGS, 4. Safety Engineering, Novi Sad: Visoka tehnička škola strukovnih studija, 2-3 Oktobar, 2014, ISBN 978-86-6211-095-4

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bulatović V., Vilma D., Radeka M.: Karakteristike tranzitne zone betona na bazi lakog agregata, Građevinski materijali i konstrukcije, 2014, Vol. 3, No 57, pp. 63-77, ISSN 0543-0798, UDK: 06.055.2:61-03+620.1+624.001.5(497.1)=861
2. Medić N., Sakulski D., Čosić Đ., Laban M.: Homogenizacija podataka o padavinama u Panonskoj regiji, Tehnika, 2014, Vol. 69, No 6, pp. 1086-1092, ISSN 0040-2176, UDK: 62 (062.2) (497.1)

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

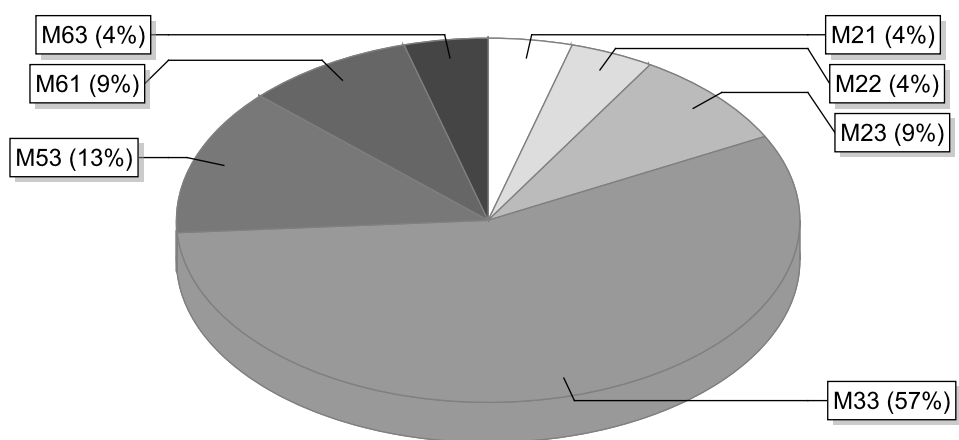
1. Novaković T., Popović Lj., Simić J., Popov S., Čosić Đ.: Primena GISa u menadžmentu osiguranja, 4. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 26 April, 2014, pp. 364-371, ISBN 978-86-84289-65-2
2. Popović Lj., Novaković T., Simić J., Čosić Đ., Popov S.: Primena geoinformacionih tehnologija u istraživačkom radu, 20. TREND - Trendovi razvoja, Kopaonik: Fakultet tehničkih nauka Novi Sad, 24-27 Februar, 2014, pp. 166-170, ISBN 978-86-7892-594-8, UDK: 378(082)
3. Simić J., Mijatov G., Duraković N., Sremački M., Novaković T., Čosić Đ., Popov S.: Contemporary Tools for Disaster Risk Management, 4. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 26 April, 2014, pp. 356-363, ISBN 978-86-84289-65-2

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za organizaciju i tehnologiju građenja

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	13
Rad u naučnom časopisu	M53	3
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1





## PRODUKCIJA - REZULTATI

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

1. Ćirović G., Radonjanin V., Trivunić M., Nikolić D.: Optimization of UHPFRC Beams Subjected to Bending Using Genetic Algorithms, *Journal of Civil Engineering and Management*, 2014, Vol. 20, No 4, pp. 527-536, ISSN 1392-3730

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

1. Harmati N., Folić R., Mađar Z.: ENERGY PERFORMANCE MODELLING AND HEAT RECOVERY UNIT EFFICIENCY ASSESSMENT OF AN OFFICE BUILDING, *Thermal Science - International Scientific Journal*, 2014, ISSN 0354-9836

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Harmati N., Jakšić Ž., Trivunić M., Bulatović V.: Rising damp analysis and selection of optimal handling method in masonry construction, *Periodica Polytechnica - Civil Engineering*, 2014, Vol. 58, No 4, pp. 431-444, ISSN 1587-3773
2. Radović N., Mirković K., Šešlija M., Peško I.: OUTPUT AND PERFORMANCE BASED ROAD MAINTENANCE CONTRACTING – CASE STUDY SERBIA, *Tehnicki vjesnik - Technical Gazette*, 2014, Vol. 3, No 21, pp. 681-688, ISSN 1330-3651, UDK: 347.44:625.76(497.11)

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

1. Dražić J., Malešev M., Radonjanin V., Lukić I.: Multicriteria decision making on possibilities of using structural concrete based on recycled aggregate, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja, 29-31 Oktobar, 2014, pp. 203-214
2. Dražić J., Peško I., Mučenski V., Trivunić M., Bibić (Đorđević) D.: PREDICTING SEISMIC DAMAGE OF BUILDING CONSTRUCTIONS BY APPLYING ANN, 5. Građevinarstvo nauka i praksa, Žabljak: Faculty of Civil Engineering, University of Montenegro, 17-21 Februar, 2014, pp. 613-620, ISBN 978-86-82707-23-3
3. Harmati N., Jakšić Ž.: BUILDING ENERGY PERFORMANCE SIMULATION VIA HB METHOD, 5. Građevinarstvo nauka i praksa, Žabljak: UNIVERZITET CRNE GORE GRAĐEVINSKI FAKULTET, 17-21 Februar, 2014, ISBN 978-86-82707-23-3
4. Harmati N.: Building energy performance evaluation from the comfort aspect, 10. E-nova Nachhaltige Gebäude, Pinkafeld, 13-14 Novembar, 2014
5. Harmati N.: ENERGY CONSUMPTION MONITORING AND ENERGY PERFORMANCE EVALUATION OF AN OFFICE BUILDING, 5. BauSIM, Aachen, 22-24 Septembar, 2014, pp. 115-122, ISBN 978-3-00-047160-5
6. Harmati N.: THE INFLUENCE OF BUILDING SKIN PROPERTIES ON THE ENERGY PERFORMANCE IN OFFICE BUILDINGS, 10. PhD & DLA Symposium, Pečuj, 20-21 Oktobar, 2014
7. Jakšić Ž., Harmati N.: THERMAL BYPASS AND PREVENTION OF ITS OCCURRENCE, 5. Građevinarstvo nauka i praksa, Žabljak: UNIVERZITET CRNE GORE GRAĐEVINSKI FAKULTET, 17-21 Februar, 2014, ISBN 978-86-82707-23-3
8. Laban M., Dražić J., Vukoslavčević S.: Energy efficiency improvement and fire safety of building facades, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and management, 15-17 Oktobar, 2014, pp. 425-430, ISBN 978-86-7892-652-5
9. Mučenski V., Peško I., Dražić J., Ćirović G., Trivunić M., Bibić (Đorđević) D.: INFLUENCE OF EXPERIENCE AND AGE OF WORKERS ON THE OCCURRENCE OF INJURIES IN BUILDING CONSTRUCTION, 5. Građevinarstvo nauka i praksa, Žabljak: Faculty of Civil Engineering, University of Montenegro, 17-21 Februar, 2014, pp. 2033-2040, ISBN 978-86-82707-23
10. Šešlija M., Radović N., Bibić (Đorđević) D., Mučenski V.: Analysis the concrete pavement on the bus station in Novi Sad, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 329-336, ISBN 978-86-87615-05-2
11. Šešlija M., Radović N., Mučenski V., Bibić (Đorđević) D.: Uticaj temperaturnih promena na betonski kolovoz - Effect of temperature changes on concrete pavement, 26. International Symposium on researching and application of contemporary achievements in civil engineering in the field of materials and structures, Vrnjačka Banja: Društvo za ispitivanje i istraživanja materijala i konstrukcija Srbije, 29-31 Oktobar, 2014, pp. 337-344, ISBN 978-86-87615-05-2

12. Šešlija M., Radović N., Peško I., Mučenski V., Bibić (Đorđević) D.: STRESSES IN THE CONCRETE SLAB DUE TO EFFECTS OF TEMPERATURE CHANGES, 2. Savremena dostignuća u građevinarstvu, Subotica: Univerzitet u Novom Sadu, Građevinski fakultet Subotica, 24-25 April, 2014, pp. 193-197, UDK: 539.377:625.84
13. Vukobratović V., Peško I., Bibić (Đorđević) D.: SEISMIC DESIGN OF AN RC TWELVE-STOREY BUILDING ACCORDING TO EUROCODE 8, 4. Zemljotresno inženjerstvo i inženjerska seizmologija, Borsko jezero: Savez građevinskih inženjera Srbije, 19-21 Maj, 2014, pp. 233-240, ISBN 978-86-88897-05-1, UDK: 624.012.45.032.2.042.7

Spisak rezultata M53 - Rad u naučnom časopisu

1. Dejić A., Dražić J.: Izbor izvođača radova i konstrukcije pri planiranju izgradnje proizvodne hale, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 12/2014, pp. 2549-2552, ISSN 0350-428X, UDK: 624.05
2. Janjić S., Dražić J.: Izbor optimalne tehnologije i planiranje izgradnje dva magacina u Novom Sadu, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 1/2014, pp. 132-135, ISSN 0350-428X, UDK: 624.05
3. Šovljanski V., Dražić J.: Višekriterijumska analiza i izbor varijante saobraćajnice obilaznice oko Petrovaradina, Zbornik radova Fakulteta tehničkih nauka, 2014, Vol. 29, No 12/2014, pp. 2541-2544, ISSN 0350-428X, UDK: 624.05

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

1. Mučenski V.: INDIRECT CAUSE OF INJURY AS A BASIS FOR SAFETY AT WORK RISK QUANTIFICATION IN CONSTRUCTION, 15. Konferencija Savremena građevinska praksa, Andrevlje: Fakultet tehničkih nauka, Departman za građevinarstvo i geodeziju, 22-23 Maj, 2014, pp. 189-211, ISBN 978-86-7892-593-1
2. Peško I.: Conceptual Estimation of Costs and Time of Urban Roads Construction, 15. Konferencija Savremena građevinska praksa, Andrevlje, 22-23 Maj, 2014, pp. 213-236, ISBN 978-86-7892-593-1

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

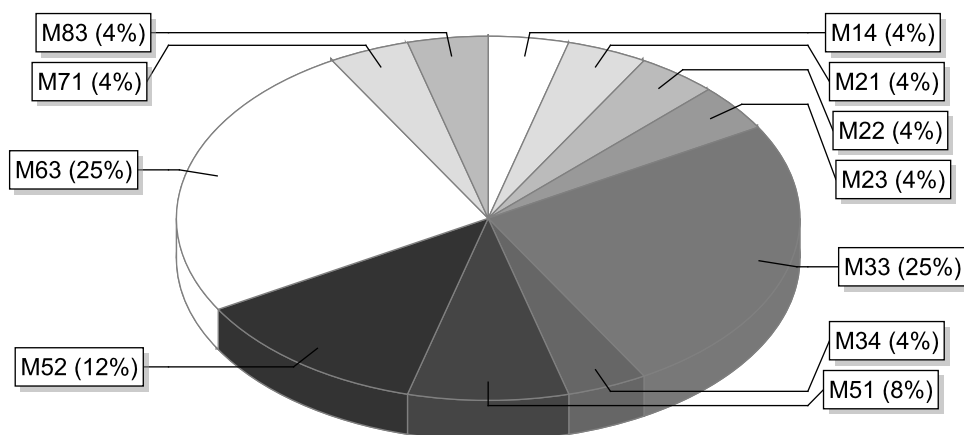
1. Mučenski V., Trivunić M., Novoselski B., Peško I., Bibić (Đorđević) D., Dražić J.: Procena rizika upotrebe alata i mehanizacije sa aspekta zaštite na radu pri građenju, 11. Unapređenje sistema zaštite na radu, Prolom Banja: Fakultet tehničkih nauka, Departman za zaštitu životne sredine i zaštitu na radu, 15-18 Oktobar, 2014, pp. 38-45, ISBN 978-86-7892-637-2

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za hidrotehniku i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u časopisu nacionalnog značaja	M52	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Odbranjena doktorska disertacija	M71	1
Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak	M83	1



## PRODUKCIJA - REZULTATI

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

1. Frank A., Ivanišević A.: Technical and Economical Inequality in Hazard Early Warning Systems Development and Management, Novi Sad, Novi Sad: FTN, Grafički centar GRID, 2014, str. 53-67, ISBN 978-86-7892-664-8

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Budinski Lj.: MRT lattice Boltzmann method for 2D flows in curvilinear coordinates, Computers and Fluids, 2014, Vol. 96, pp. 288-301, ISSN 0045-7930

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Budinski Lj., Spasojević M.: 2D Modeling of Flow and Sediment Interaction: Sediment Mixtures, Journal of Waterway Port Coastal and Ocean Engineering. ASCE / American Society of Civil Engineers, 2014, Vol. 140, No 2, pp. 199-209, ISSN 0733-950X

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kolaković S., Stefanović D., Lemić J., Miličević D., Tomović S., Trajković S., Milenković S.: Forming a Filter Medium from Zeolite Modified with Sdbac for Wastewater Treatment Process, Chemical Industry and Chemical Engineering Quarterly / CICEQ, 2014, Vol. 20, No 3, pp. 361-369, ISSN 1451-9372

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Borisov M., Nikolić G., Petrović V., Đurović R., Sušić Z.: Primena GIS u sistemu praćenja životne sredine, 5. internacionalni naučno-stručni skup Građevinarstvo, nauka, praksa – Žabljak, Crna Gora, 2014., 2. International Conference GNP 2010 Civil Engineering – Science and Practice, Podgorica: Građevinski fakultet u Podgorici, 3-7 Mart, 2008, pp. 1937-1944, ISBN 978-86-82707-23-3, UDK: COBISS.CG-ID 24170256
2. Jeftenić G., Kolaković S., Ožvat S., Vujović S., Mašić B.: Utvrđivanje režima proticaja jezera Tikvara kod Bačke Palanke, 5. Građevinarstvo nauka i praksa, Žabljak, 17-21 Februar, 2014, pp. 1715-1722, ISBN 978-86-82707-23-3
3. Ninkov T., Bulatović V., Sušić Z., Vasić D.: Mobilno lasersko skeniranje u postupku masovnog prikupljanja podataka, Međubarodna konferencija: Savremena dostignuća u građevinarstvu, DOI: 10.14415/konferencijaGFS2014, Univerzitet u Novom Sadu, Građevinski fakultet Subotica. 24-25. april 2014., Subotica, Srbija., 1. Savremena dostignuća u građevinarstvu, Subotica: Univerzitet u Novom Sadu, Građevinski fakultet Subotica, 24-25 April, 2014, pp. 1113-1118, ISBN 0352 – 6852
4. Sušić Z., Ninkov T., Bulatović V., Vasić D.: Primena bespilotnih letelica u postupku izrade geodetskih podloga za projektovanje, 5. internacionalni naučno-stručni skup Građevinarstvo, nauka, praksa – Žabljak, Crna Gora, 2014., 2. International Conference GNP 2010 Civil Engineering – Science and Practice, Podgorica: Građevinski fakultet u Podgorici, 3-7 Mart, 2008, pp. 1953-1960, ISBN 978-86-82707-23-3, UDK: COBISS.CG-ID 24170256
5. Sušić Z., Ninkov T., Bulatović V.: Primena InSAR tehnologije u postupku detekcije pomeranja terena, Zbornik radova četvrtog međunarodnog naučno-stručnog savetovanja, Savez građevinskih inženjera Srbije, Bor, 19.05.-21.05.2014., Zemljotresno inženjerstvo i inženjerska seizmologija, ISBN 978-86-88897-05-1, cobiss.SR-ID 207161612, UDK 624.042.7(082), pp 471-478., 4. Zemljotresno inženjerstvo i inženjerska seizmologija, Borsko jezero: Savez građevinskih inženjera Srbije, 19-21 Maj, 2014, pp. 471-478, ISBN 978-86-88897-05-1, UDK: 624.042.7(082)
6. Vujović S.: G.Jeftenić, S.Kolaković, S.Ožvat, S.Vujović, B.Mašić, Determination of flow regime on the lake Tikvara near Backa Palanka, 5. Građevinarstvo nauka i praksa, Žabljak, 17-21 Februar, 2014

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Vještica S., Hodolić J., Milanović B., Kolaković S., Vukelić Đ.: LCA of PVC floor coverings: the case study of the production stage, 20. SETAC Europe - LCA Case Study Symposium, Novi Sad: SETAC, 24-26 Novembar, 2014, pp. 48-48, ISBN 2310-3191

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Armenski T., Stankov U., Dolinaj D., Mesaroš M., Jovanović M., Pantelić (Pašić) M., Pavić D., Popov S., Popović Lj., Frank A., Čosić Đ.: Social and Economic Impact of Drought on Stakeholders in Agriculture, Geographica Pannonica, 2014, Vol. 18, No 2, pp. 34-42, ISSN 0354-8724
2. Frank A., Frank R., Popović Lj.: Role of Drought Early Warning and Social Planning in Industrial Growth, International Journal of Industrial Engineering and Management - IJIEM, 2014, Vol. 5, No 1, pp. 45-51, ISSN 2217-2661, UDK: 005.96:330.34 502:330.34

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Marinković G., Trifković M., Borisov M.: Veštačenja i superveštačenja u geodetskoj struci, Zbornik radova Građevinskog fakulteta, Subotica, 2014, No 26, pp. 185-194, ISSN 0352-6852, UDK: 528:347.948
2. Marinković G., Trifković M., Lazić J.: Analiza razvoja komasacije u Republici Srbiji, Zbornik radova GF Subotica, 2014, No 26, pp. 177-184, UDK: 711.14:332.262(497.11)
3. Ninkov T., Sušić Z., Marković M., Ninkov Đ., Maksimović P.: Modern technologies and methodologies concerning permanent monitoring of position changes and entity state in space and time, GEONAUKA, Vol. 2, No. 2 (2014), review article, ISSN: 2334-8119, UDC: 528.835:550.38, DOI: 10.14438/gn.2014.14., pp 35-45., UDK: 528.835:550.38

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

1. Doroslovački R., Kovačević I., Vilotić D., Kolaković S., Šešlija D., Katić V.: Osnovi metodologije realizacije nastave na visoko školskim ustanovama, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 17-21, ISBN 978-86-7892-594-8
2. Katić V., Kolaković S., Šešlija D., Kovačević I., Doroslovački R., Vilotić D.: Motivacioni instrumenti u naučnoj produkciji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 349-353, ISBN 978-86-7892-594-8
3. Kolaković S., Doroslovački R., Kovačević I., Katić V., Vilotić D., Šešlija D., Vidicki P.: Evaluacija ESP bodova na srpskim univerzitetima, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 116-121, ISBN 978-86-7892-594-8
4. Kovačević I., Doroslovački R., Vilotić D., Šešlija D., Katić V., Kolaković S.: Uspešnost bolonjskog procesa u Republici Srbiji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 341-345, ISBN 978-86-7892-594-8
5. Šešlija D., Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Vidicki P.: Razvoj metoda za procenu vrednosti ESPB bodova, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 111-116, ISBN 978-86-7892-594-8
6. Vilotić D., Doroslovački R., Kovačević I., Katić V., Kolaković S., Šešlija D.: Visoko obrazovanje u funkciji potreba tržišta rada, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 63-68, ISBN 978-86-7892-594-8

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Sušić Z.: Geodinamička analiza pomeranja Zemljine kore regionalnog karaktera, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2014

Spisak rezultata M83 - Novo laboratorijsko postrojenje, novo eksperimentalno postrojenje, novi tehnološki postupak

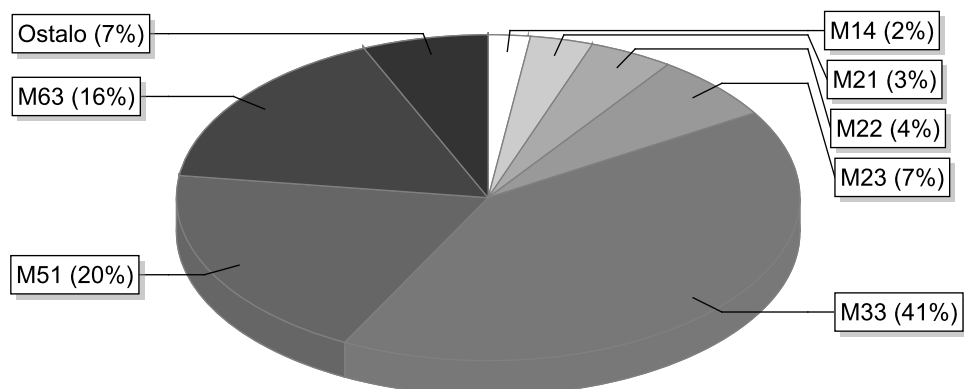
1. Kolaković S., Stefanović D., Vujović S., Jeftenić G., Kolaković S.: Reakcioni filter na bazi modifikovanih organo-zeolita za potrebu prečišćavanja otpadnih voda mlekarske industrije, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za saobraćaj

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	6
Saopštenje sa međunarodnog skupa štampano u celini	M33	38
Monografska bibliografska publikacija	M43	1
Rad u vodećem časopisu nacionalnog značaja	M51	18
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	15
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	1
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1

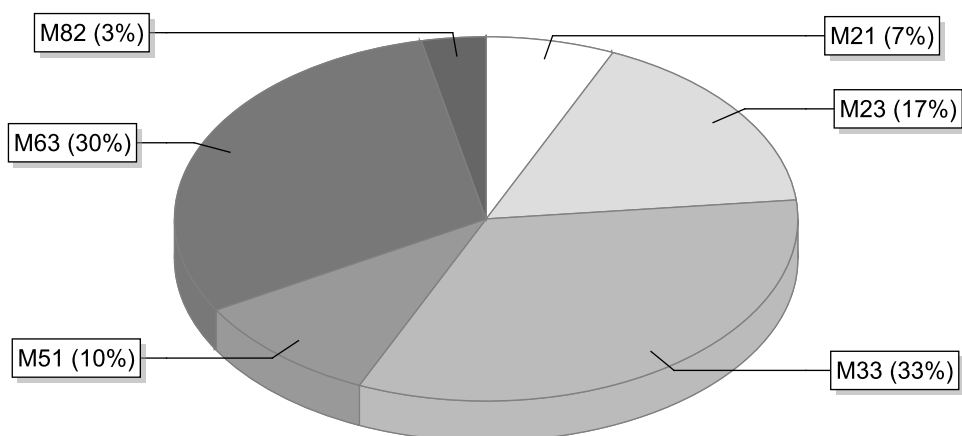


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za saobraćajne sisteme

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u međunarodnom časopisu	M23	5
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Rad u vodećem časopisu nacionalnog značaja	M51	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Nova proizvodna linija, novi materijal, industrijski prototip,	M82	1



## PRODUKCIJA - REZULTATI

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

1. Bačkalić S., Jovanović D., Bačkalić T.: Reliability reallocation models as a support tools in traffic safety analysis, *Accident analysis & prevention*, 2014, Vol. 65, pp. 47-52, ISSN 0001-4575
2. Sârbescu P., Stanojević P., Jovanović D.: A cross-cultural analysis of aggressive driving: Evidence from Serbia and Romania, *Transportation Research Part F - Traffic Psychology and Behaviour*, 2014, Vol. 24, pp. 210-217, ISSN 1369-8478

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Basarić V., Đorić V., Bogdanović V., Mitrović Simić J., Jović J.: Effects of Traffic on NO<sub>2</sub> and PM<sub>10</sub> Emissions in Novi Sad, *Polish Journal of Environmental Studies*, 2014, Vol. 23, No 5, pp. 1837-1842, ISSN 1230-1485
2. Bogdanović V., Ruškić N., Kulović M., Han L.: Toward a Capacity Analysis Procedure for Nonstandard Two-Way Stop-Controlled Intersections, *Transportation Research Record*, 2014, Vol. 2395, ISSN 0361-1981
3. Ivanović B., Garunović N., Tomanović Z.: Research on the length of passing distance in the real traffic flow, *Gradevinar*, 2014, Vol. 66, No 9, pp. 823-830, ISSN 0350-2465, UDK: UDK 624+69(05)=862
4. Kuburić M., Kopic M., Matić B.: Contemporary methods of spatial data acquisition – the road to “e-government”, *Geodetski vestnik, Journal of the Association of Surveyors of Slovenia*, 2014, Vol. 52, No 2, pp. 314-326, ISSN 0351-0271
5. Veličković M., Stojanović Đ., Basarić V.: The assessment of pollutants emissions within sustainable urban freight transport development - The case of Novi Sad, *Thermal Science*, 2014, Vol. 18, No 1, pp. 307-321, ISSN 0354-9836

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

1. Aleksandar B., Jovanović D., Matović B., Bačkalić S.: Identification of high-density locations with homogeneous attributes of pedestrian accidents in the urban area of Novi Sad, 12. Road accidents prevention, Borsko jezero: Faculty of Technical Sciences, 9-10 Oktobar, 2014, pp. 89-98, ISBN 978-86-7892-636-5
2. Basarić V., Ilić D., Mitrović Simić J., Bogdanović V., Despotović Z., Ruškić N.: Results of "NS Bike" system implementation - a case study, 1. Transport Research Arena, Pariz: The French institute of science and technology for transport, development and networks, 14-17 April, 2014
3. Bogdanović V., Garunović N., Ruškić N., Ivanović B.: Rastojanje sleđenja vozila prilikom preticanja u realnom saobraćajnom toku, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik: Internacionalni univerzitet Travnik u Travniku, 23-24 Maj, 2014, pp. 20-20, ISBN 2232-8807
4. Jovanović D., Stanojević P., Jakšić D.: The influence of risk perception and self-assessed driving abilities on the behavior of young drivers, 12. Road accidents prevention, Borsko jezero: Faculty of technical sciences, 9-10 Oktobar, 2014, pp. 59-66, ISBN 978-86-7892-636-5
5. Kopic M.: PRESERVATION OF PLACE-IDENTITY THROUGH URBAN TRANSFORMATIONS BASED ON SUSTAINABLE FORMS OF TRANSPORT, 1. PLACES AND TECHNOLOGIES, Beograd, 3-4 April, 2014, ISBN 978-86-7924-114-6
6. Kostić M., Kostić S., Gladović P., Bogičević D.: Analiza rada i primena novih propisa u radu auto-škola, 9. Road Safety in Local Community, Zaječar, 9-11 April, 2014, pp. 485-490, ISBN 978-86-7020-276-4
7. Matović B., Bačkalić S., Jovanović D.: Spatial distribution of pedestrian road accidents in Novi Sad, 9. Road Safety in Local Community, Zaječar: Academy of Criminalistic and Police Studies, 9-11 April, 2014, pp. 49-56, ISBN 978-86-7020-299-3, UDK: 656.142.08(497.11)
8. Matović B., Mičić S., Bačkalić T.: Influence of drivers' attitudes on intention to speed in the urban area, 12. Road accidents prevention, Borsko jezero: Faculty of Technical Sciences, 9-10 Oktobar, 2014, pp. 49-57, ISBN 978-86-7892-636-5
9. Miličić M., Basarić V., Savković T.: Računarski programi za upravljanje transportom, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik: Internacionalni univerzitet Travnik u Travniku, 23-24 Maj, 2014, pp. 245-253, ISBN 2232-8807
10. Mitrović Simić J., Basarić V., Miličić M., Bogdanović V.: Mobility management and travel plans, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik: Internacionalni Univerzitet Travnik, 23-24 Maj, 2014, pp. 270-278, ISBN 2232-8807



Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Basarić V., Garunović N., Mitrović Simić J., Miličić M.: Ekološki efekti izgradnje treće dionice Subotičkog bulevara, *Suvremeni promet*, 2014, Vol. 34, No 1-2, pp. 36-39, ISSN 0351-1898, UDK: 656
2. Ivanović B., Basarić V., Garunović N., Mitrović Simić J., Saulić N.: Istraživanje brzina u preticanju, *Put i saobraćaj*, 2014, Vol. 60, No 1, pp. 39-43, ISSN 0478-9733, UDK: 625.7/8.+651.1
3. Mitrović Simić J., Bogdanović V., Basarić V.: Analiza stupnja propuštanja pješaka na nesignaliziranim pješačkim prijelazima u urbanim sredinama, *Suvremeni promet*, 2014, Vol. 34, No 3-4, pp. 221-225, ISSN 0351-1898, UDK: 656

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

1. Bačkalić S., Matović B., Jovanović D.: Primena vremenskih modela u analizi frekvencije saobraćajnih nezgoda na ruralnim putevima, 1. Kongres o putevima, Beograd, 5-6 Jun, 2014, pp. 1105-1113, ISBN 978-86-88541-02-2
2. Bogdanović V., Papić Z., Ruškić N., Saulić N.: Primena video zapisa u analizi saobraćajnih nezgoda, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor: IPJ, 15-17 Maj, 2014, pp. 261-272, ISBN 978-86-86931-10-8
3. Jovanović D.: Upravljanje bezbednošću saobraćaja u zoni radova na putu, 11. Unapređenje sistema zaštite na radu, Prolom Banja: Fakultet tehničkih nauka, Novi Sad, 15-18 Oktobar, 2014, pp. 79-86, ISBN 978-86-7892-637-2
4. Kostić S., Gladović P., Papić Z., Saulić N.: Percepcija rizika od strane vozača pri opasnim situacijama u saobraćaju, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor: IPJ, 15-17 Maj, 2014, pp. 445-459, ISBN 978-86-86931-10-8
5. Kostić S., Milić S., Saulić N., Rašeta P.: Mogućnosti primene novog sistema obuke kandidata na teritoriji Južnog Banata, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor: IPJ, 15-17 Maj, 2014, pp. 210-221, ISBN 978-86-86931-10-8
6. Kostić S., Papić Z., Gladović P., Saulić N.: Percepcija rizika i reagovanje vozača u opasnim situacijama na putevima, 12. Road accidents prevention, Borsko jezero: Fakultet tehničkih nauka Novi Sad, 9-10 Oktobar, 2014, pp. 177-187, ISBN 978-86-7892-635-8
7. Matović B., Bačkalić S., Jovanović D.: Spatial distribution of pedestrian road accidents in Novi Sad, 9. Road Safety in Local Community, Zaječar: Academy of Criminalistic and Police Studies, 9-11 April, 2014, pp. 49-56, ISBN 978-86-7020-299-3, UDK: 656.142.08(497.11)
8. Matović M., Goran G., Miomir K., Spasoje M., Matović B.: Najznačajniji faktori koji utiču na nameru vozača da brzo voze u urbanim sredinama, 3. Bezbednost saobraćaja u lokalnoj zajednici, Banja Luka: Agencija za bezbednost saobraćaja Republike Srpske, 30-31 Oktobar, 2014, pp. 281-287, ISBN 978-99976-618-2-1
9. Papić Z., Bogdanović V., Simeunović N., Saulić N.: Neke od dilema u vezi kočenja i tragova kočenja vozila, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor: IPJ, 15-17 Maj, 2014, pp. 577-587, ISBN 978-86-86931-10-8

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

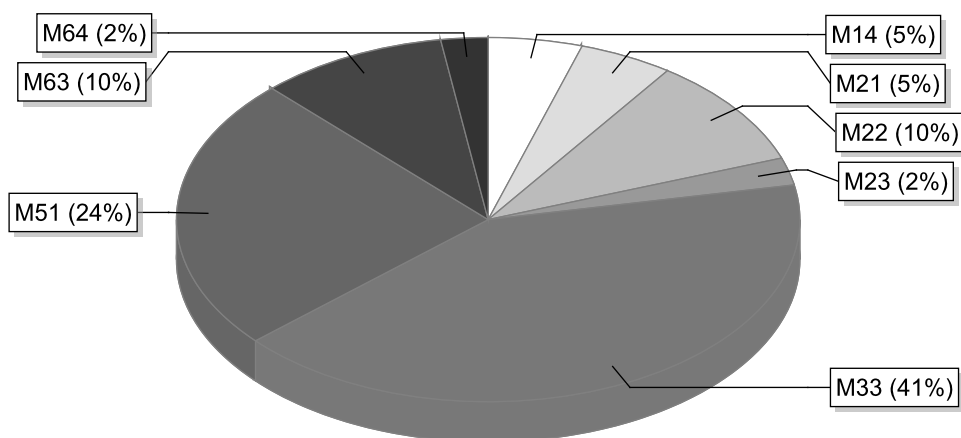
1. Šuljagić Č., Marić M., Gačanović A., Simeunović V., Ruškić N., Tončev M., Pokimica S.: IMPSEP - Daljinski sistem za analizu kretanja i ponašanja subjekata u objedinjenom sistemu prevoza upotrebom RFID tehnologije, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije transportno logističkih sistema

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	17
Rad u vodećem časopisu nacionalnog značaja	M51	10
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



## PRODUKCIJA - REZULTATI

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

1. Stojić G., Vesković S., Marković M., Pavlović N.: Possibilities and effects of decentralized management of railway infrastructure and organization of transport, Belgrade, Faculty of Transport and Traffic Engineering, University of Belgrade, 2014, str. 83-100, ISBN 978-86-7395-331-1
2. Tepić J., Đelošević M., Lalić B.: Multi-criteria Analysis in the Selection of Logistics Centers, Berlin, LAP LAMBERT Academic Publishing, 2014, ISBN ISBN-13: 978-3-659-5

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Bačkalić S., Jovanović D., Bačkalić T.: Reliability reallocation models as a support tools in traffic safety analysis, Accident analysis & prevention, 2014, Vol. 65, pp. 47-52, ISSN 0001-4575
2. Tepić J., Doroslovački R., Djelošević M.: Unconventional Bearing Capacity Analysis and Optimization of Multicell Box Girders, The Scientific World Journal, Vol. 2014, Article ID 496398, 10 pages, 2014., doi.:10.1155/2014/496398, The Scientific World JOURNAL, 2014, Vol. 2014, No doi.:10.1155/2014, ISSN 1537-744X, UDK: 496398

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Matić B., Matić D., Sremac S., Radović N., Viđikant P.: A model for the pavement temperature prediction at specified depth using neural networks , Metalurgija, 2014, Vol. 53, No 4, pp. 665-667, ISSN 0543-5846, UDK: 621.747.621.006.2:658.564=111
2. Popović Z., Lazarević L., Brajović Lj., Gladović P.: Managing rail service life, Metalurgija, 2014, Vol. 53, No 4, pp. 721-724, ISSN 0543-5846, UDK: 669+621.7+51/54(05)=111
3. Simić D., Tepić J., Gajić V., Kovačević I., Lalić B.: The application of recycled aluminium and plastics in environmental protection, Metalurgija, 2014, Vol. 52, ISSN 0543-5846
4. Sremac S., Gladović P., Đelošević M., Matić B., Matić A.: Development of Polymer Packaging for Power Cable, Metalurgija, 2014, Vol. 53, No 4, pp. 693-696, ISSN 0543-5846, UDK: 678.2.004.3:621.315.2=111

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Kanović Ž., Bugarski V., Bačkalić T.: Ship Lock Control System Optimization using GA, PSO and ABC: A Comparative Review, Promet - Traffic&Transportation, 2014, Vol. 26, No 1, pp. 23-31, ISSN 0353-5320

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bojković N., Pejčić Tarle S., Parezanović T., Gladović P.: Mere menadžmenta za održiv saobraćaj: iskustva primene i učinak, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik, 23-24 Maj, 2014, pp. 165-173
2. Gladović P., Stanković M., Bogičević D., Radosavljević D.: Uticaj promene eksploatacionih parametara na proizvodnost autobusa, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik, 23-24 Maj, 2014, pp. 76-85
3. Kostić M., Kostić S., Gladović P., Bogičević D.: Analiza rada i primena novih propisa u radu auto-škola, 9. Road Safety in Local Community, Zaječar, 9-11 April, 2014, pp. 485-490, ISBN 978-86-7020-276-4
4. Matović B., Mičić S., Bačkalić T.: Influence of drivers' attitudes on intention to speed in the urban area, 12. Road accidents prevention, Borsko jezero: Faculty of Technical Sciences , 9-10 Oktobar, 2014, pp. 49-57, ISBN 978-86-7892-636-5
5. Miličić M., Basarić V., Savković T.: Računarski programi za upravljanje transportom, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik: Internacionalni univerzitet Travnik u Travniku, 23-24 Maj, 2014, pp. 245-253, ISBN 2232-8807
6. Mitrović Simić J., Basarić V., Miličić M., Bogdanović V.: Mobility management and travel plans, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik: Internacionalni Univerzitet Travnik, 23-24 Maj, 2014, pp. 270-278, ISBN 2232-8807
7. Popović V., Bogičević D., Gladović P., Petrović N.: Značaj i uloga informacionih tehnologija u drumskom transportu, 5. Modern trends in traffic, logistics and ecology for sustainable development, Travnik, 23-24 Maj, 2014, pp. 310-318
8. Stanković M., Bogičević D., Gladović P., Radosavljević D., Stojanović N.: planned activities to increase road safety in the municipality of kursumlija, 9. Road Safety in Local Community, Zaječar, 9-11 April, 2014, pp. 85-90, ISBN 978-86-7020-275-7

9. Stanković M., Mihajlović N., Gladović P., Bogičević D., Pešić P.: Analysis of road safety in the vicinity of elementary school "Miloje Zakic" in Kursumlija from the standpoint of students and teachers, 1. Road safety strategic management, Budva, 14 Novembar, 2014, pp. 177-186, ISBN 978-9940-575-19-9
10. Stefanović M., Matijašević M., Gladović P.: Impact of technical control and functions of equipment for measuring and handling installed in a vehicles in order to ensure safety and monitoring of dangerous goods in road transportation - case study Serbia, 1. Road safety strategic management, Budva, 14 Novembar, 2014, pp. 81-94, ISBN 978-9940-575-19-9
11. Stefanović M., Miljković I., Matijašević M., Gladović P.: Role of the safety adviser of dangerous goods in road traffic safety, 1. Road safety strategic management, Budva, 14 Novembar, 2014, pp. 167-175, ISBN 978-9940-575-19-9
12. Škiljaica I., Škiljaica V.: Navigation characteristics of Danube subsection Mohovo channel in order to define the value of vessel's draught, 22. International symposium on electronics in traffic ISEP, Ljubljana: Electrotechnical association of Slovenia, 24-25 Mart, 2014, ISBN 987-961-6187-54-1
13. Škiljaica I., Škiljaica V.: Parameter of transport efficiency as a criterion for choosing the optimal size of barge convoy for the work of the pushboat, 7. European inland waterway navigation conference, Budimpešta, 10-12 Septembar, 2014
14. Škiljaica I., Škiljaica V.: Tonnage quality as a criterion for choosing the carrying capacity of barge convoy, 9. International Conference on Ports and Waterways POWA, Sisak: Faculty of Transport and Traffic Sciences, 25 Septembar, 2014, pp. 97-106, ISBN 1848-252X
15. Škiljaica V., Škiljaica I.: PROCEDURE FOR CALCULATION OF STOPPING DISTANCE AND TIME OF PUSHED CONVOYS, 8. 8-th International Conference on Ports and Waterways - Powa 2013, Zagreb: Faculty of Transport and Traffic Sciences of University of Zagreb, Zagreb, Croatia, 3 Oktobar, 2013, pp. 33-44, ISBN ISSN 1848-252X
16. Tomović N., Pejčić-Tarle S., Gladović P.: An optimization approach to the locomotive cheduling problem, 5. Transport and Logistics - TIL, Niš, 5-6 Jun, 2014, pp. 145-149
17. Vesković S., Maksić G., Vasiljević M., Stojić G., Rajlić S.: Modeling and design facilities for dealing with dangerous goods on railway, 16. Scientific-Expert Conference on Railways - RAILCON, Niš: University of Niš, Faculty of Mechanical Engineering, 9-10 Oktobar, 2014, pp. 81-84, ISBN 978-86-6055-060-8

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

1. Basarić V., Garunović N., Mitrović Simić J., Miličić M.: Ekološki efekti izgradnje treće dionice Subotičkog bulevara, *Suvremeni promet*, 2014, Vol. 34, No 1-2, pp. 36-39, ISSN 0351-1898, UDK: 656
2. Gladović P., Deretić N.: Komfor putnika u vozilima javnog gradskog putničkog prevoza na primeru jednog beogradskog naselja, *Tehnika*, 2014, No 3, pp. 496-503, ISSN 0040-2176, UDK: 62(062.2((497.1)
3. Juković M., Til V., Bačkalić T., Karan M., Petrić G.: The use of the Karnofsky index in the assesment of clinical state in patients with chronic subdural hematoma: the first observation from Vojvodina, *Medicinski glasnik (BiH)*, 2014, Vol. 1, No 11, pp. 149-154, ISSN 1840-0132
4. Kanović Ž., Bugarski V., Bačkalić T., Jeličić Z., Petković M., Matić D.: Optimization of ship lock control system using swarm-based techniques, *Journal on Processing and Energy in Agriculture*, 2014, Vol. 18, No 1, pp. 30-35, ISSN 1821-4487, UDK: 626.4
5. Miličić M., Savković T., Koleška D.: Tracking vehicles and drivers using information technologies, *Suvremeni promet*, 2014, Vol. 34, No 1-2, pp. 21-25, ISSN 0351-1898, UDK: 656
6. Ožegović B., Sremac S.: Primena intermodalnog transporta za smanjenje emisije ugljen dioksida na deonici Banja Luka – Sarajevo, *Ecologica*, 2014, No 75, pp. 473-477, ISSN 0354-3285, UDK: 504.3.054(497.15)
7. Sremac S., Tepić J., Tanackov I., Stojić G., Matić B.: Transportno-skladišni procesi u funkcij održivog razvoja, *Ecologica*, 2014, No 75, pp. 519-523, ISSN 0354-3285, UDK: 330.34.2.014:658.286.2
8. Stojanović D., Levanić T., Matović B., Galić Z., Bačkalić T.: Vodostaj Dunava kao faktor smanjenja prirasta i vitalnosti stabala mešovite sastojine lužnjaka i cera, *Časopis "Šumarstvo" (Forestry)*, 2014
9. Škiljaica I., Škiljaica V.: Determining Optimal carrying capacity of convoys with efficiency of push boat propelling force, *Suvremeni promet*, 2014, Vol. 34, No 3-4, pp. 263-265, ISSN 0351-1898
10. Škiljaica V., Škiljaica I., Maraš V.: Postupak proračuna puta i vremena zaustavljanja brodova i potiskivanih sastava unutrašnje plovidbe, *Tehnika*, 2014, Vol. 23, No 2, pp. 277-282, ISSN 0040-2176

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

1. Gladović P., Radosavljević D., Stanković M.: Ocena prihvatljivosti rizika u osiguranju odgovornosti drumskog prevoznika po konvenciji CMR, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor, 15-17 Maj, 2014, pp. 20-31, ISBN 978-86-86931-10-8
2. Kostić S., Gladović P., Papić Z., Saulić N.: Percepcija rizika od strane vozača pri opasnim situacijama u saobraćaju, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor: IPJ, 15-17 Maj, 2014, pp. 445-459, ISBN 978-86-86931-10-8
3. Kostić S., Papić Z., Gladović P., Saulić N.: Percepcija rizika i reagovanje vozača u opasnim situacijama na putevima, 12. Road accidents prevention, Borsko jezero: Fakultet tehničkih nauka Novi Sad, 9-10 Oktobar, 2014, pp. 177-187, ISBN 978-86-7892-635-8
4. Stanković M., Gladović P., Bogičević D., Martinović A., Đorđević M.: Analiza parametara kvaliteta usluge javnog gradskog prevoza putnika, 9. Savetovanje na temu saobraćajne nezgode, Zlatibor, 15-17 Maj, 2014, pp. 460-472, ISBN 978-86-86931-10-8

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

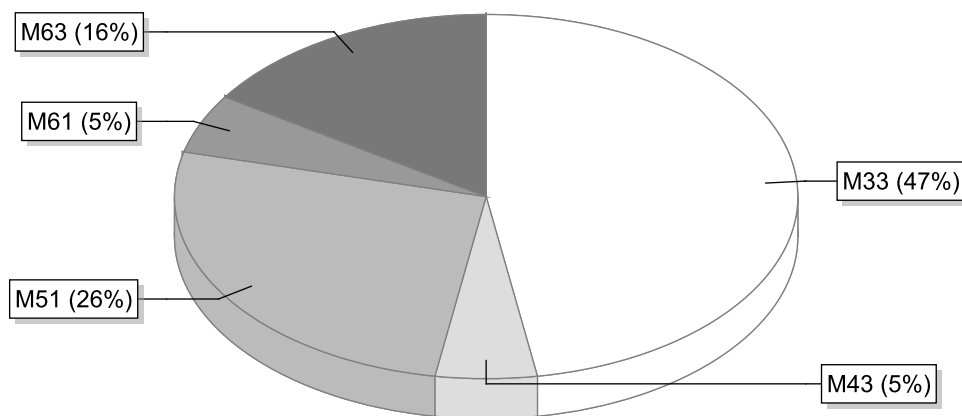
1. Kanović Ž., Bugarski V., Bačkalić T., Petković M., Matić D.: Optimizacija rada brodske prevodnice upotrebom tehnika baziranih na imitaciji ponašanja rojeva, 26. Naučno stručni skup sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivredi PTEP 2012, Kladovo, 6-11 April, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za poštanski saobraćaj i komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Saopštenje sa međunarodnog skupa štampano u celini	M33	9
Monografska bibliografska publikacija	M43	1
Rad u vodećem časopisu nacionalnog značaja	M51	5
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



## PRODUKCIJA - REZULTATI

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

1. Dupljanin Đ., Dumnić S., Kujačić M.: Post platform and capabilities of Serbian post, 14. International Symposium SymOrg, Zlatibor, 6-10 Jun, 2014, pp. 485-492, ISBN 978-86-7680-295-1
2. Dupljanin Đ., Dumnić S., Kujačić M.: Postal sector in function of sustainable development , 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: UNIVERSITY OF NOVI SAD - FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT 21000, Novi Sad, Trg Dositeja Obradovića 6, Serbia, 15-17 Oktobar, 2014, pp. 339-345, ISBN 978-86-7892-652-5
3. Jovanović B., Tričković I., Šarac D.: Selection universal service financing model using fuzzy MCDM, 14. International Symposium SymOrg, Zlatibor, 6-10 Jun, 2014, pp. 680-687, ISBN 978-86-7680-295-1
4. Kranjac M., Uroš S., Dupljanin Đ., Dumnić S.: Personalized design in interactive mapping as a part of information society", 4th International conference on information society and technology, ICIST 2014 conference, Kopaonik, 9-13. mart 2014, ISBN: 978-86-85525-14-8, pp. 333-338, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks , 9-13 Mart, 2014, pp. 333-338, ISBN 978-86-85525-14-8
5. Kranjac M.: Kranjac, M., Sikiki', U., Vujakovi', M., Molnar, I.: KLASTERI KAO NOSIOCI INOVACIONOG RAZVOJA , 12. Savetovanje "Na putu ka dobu znanja", Sremski Karlovci: FAM Sremski Karlovci, 26 Septembar, 2014
6. Ožegović S., Šarac D., Unterberger M.: Key account management - strategic imperativ in postal services, 14. International Symposium SymOrg, Zlatibor: Fakultet organizacionih nauka , 6-10 Jun, 2014, pp. 1098-1104, ISBN 978-86-7680-295-1
7. Stojanović Đ., Biljan J., Šarac D., Trajkov A.: Gender employment inequality in the transport and logistics industry: the specifics in the Republic of Serbia and the Republic of Macedonia, 5. Womens Issues in Transportation WIIT, Pariz: Transportation Research Board, IFSTTAR, Transportation Research Arena, 14-16 April, 2014, pp. 525-536
8. Šarac D., Kujačić M., Ožegović S., Tričković I.: Modeling of the queuing systems using IP video surveillance system, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: FTN Novi Sad, 15-17 Oktobar, 2014, pp. 145-151, ISBN 978-86-7892-652-5
9. Šarac D., Marković M., Rogić B.: Postal and financial inclusion, 14. International Symposium SymOrg, Zlatibor: Fakultet organizacionih nauka, 6-10 Jun, 2014, pp. 715-721, ISBN 978-86-7680-295-1

### Spisak rezultata M43 - Monografska bibliografska publikacija

1. Šarac D.: Finansijsko poslovanje u poštanskom saobraćaju, Novi Sad, FTN Novi Sad, 2014, ISBN 978-86-7892-595-5, UDK: 656.8:658.14/17(075,8)

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

1. Dupljanin Đ., Šarac D., Kujačić M.: Menadžment elektronskim servisima poštanskog sistema Srbije upotrebom benchmarking indeksa, Tehnika, 2014, Vol. 3, No 64, pp. 529-533, ISSN 0040-2176, UDK: 62(062.2) (497.1)
2. Jovičić O., Ožegović S., Šarac D.: Carinska politika Evropske unije u funkciji podsticanja razvoja elektronske trgovine i poštanskih usluga, Evropsko zakonodstvo, 2014, No 49/50, pp. 125-137, ISSN 1451-3188
3. Kujačić M., Unterberger M., Šarac D., Jovanović B.: Primena metodologije „Process management“ u obavljanju finansijskih usluga JP „Pošta Srbije“, Tehnika, 2014, No 6, pp. 1051-1059, ISSN 0040-2176, UDK: 62(062.2)(497.1)
4. Ožegović S., Šarac D., Kujačić M.: The Organizational Aspects of Key Account Management in Postal Traffic, Tehnika, 2014, No specijalno izdanje na engleskom jeziku, pp. 97-102, ISSN 0040-2176, UDK: UDC: 62 (062. 2) (497.1)
5. Ožegović S., Šarac D., Vidanović N.: Regionalna saradnja u oblasti e-uprave i uloga pošte, Evropsko zakonodstvo, 2014, No 49/50, pp. 352-364, ISSN 1451-3188

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

1. Kujačić M., Jovanović B., Osvald M.: Nove tendencije u pristupu univerzalnoj usluzi, 32. Simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju, PosTel 2012, Beograd: Saobraćajni fakultet, Beograd, 2-3 Decembar, 2014, pp. 123-132, ISBN 978-86-7395-328-1

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

1. Dupljanin Đ., Šarac D., Kujačić M.: Uloga poštansko logističkih servisa u razvoju elektronskog poslovanja, 14. E-trgovina, Palić, 15-17 April, 2014
2. Šarac D., Dupljanin Đ., Unterberger M.: Istraživanje zadovoljstva korisnika finansijskim uslugama i poštansko finansijska inkluzija, 32. Simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju, PosTel 2012, Beograd: Saobraćajni fakultet Univerziteta u Beogradu, 2-3 Decembar, 2014, pp. 37-47, ISBN 978-86-7395-328-1
3. Trubint N., Dumnić S., Tričković I.: Moguci pravci u regulaciji uručenja poštanskih pošiljaka, 32. Simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju, PosTel 2012, Beograd: Saobraćajni fakultet Univerziteta u Beogradu, 2-3 Decembar, 2014, pp. 155-163, ISBN 978-86-7395-328-1

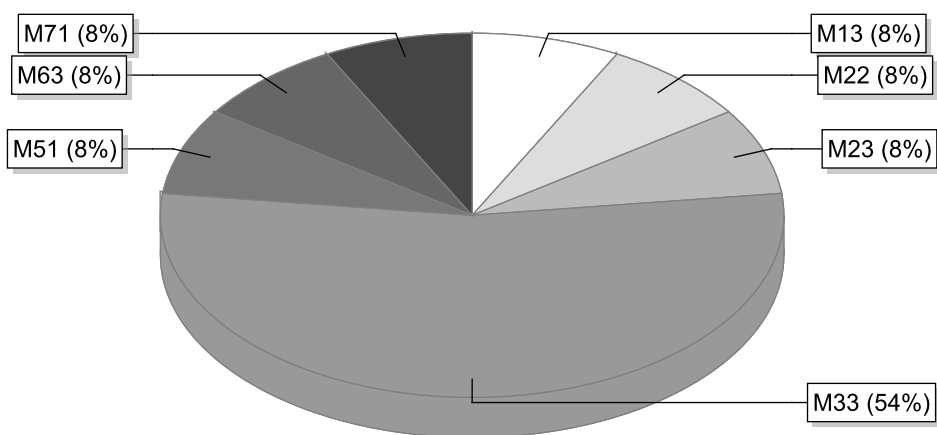


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za logistiku i intermodalni transport

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Rad u vodećem časopisu nacionalnog značaja	M51	1
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. Simić D., Svirčević V., Simić S.: An Approach of Steel Plates Fault Diagnosis in Multiple Classes Decision Making, Berlin, Springer-Verlag Berlin Heidelberg, Lecture Notes in Computer Science, 2014, str. 86-97, ISBN 978-3-319-07616-4, UDK: ISSN: 0302-9743

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Simić D., Tepić J., Gajić V., Kovačević I., Lalić B.: The application of recycled aluminium and plastics in environmental protection, Metalurgija, 2014, Vol. 52, ISSN 0543-5846

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Veličković M., Stojanović Đ., Basarić V.: The assessment of pollutants emissions within sustainable urban freight transport development - The case of Novi Sad, Thermal Science, 2014, Vol. 18, No 1, pp. 307-321, ISSN 0354-9836

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Ilin V.: Critical factors of ICT adoption in key logistics sectors: proposed hypotheses and models, 2. International Conference on Traffic and Transport Engineering, Beograd: City Net Scientific Research Center Ltd. Belgrade, 27-28 Novembar, 2014, pp. 905-912, ISBN 978-86-916153-2-1
2. Lirn T., Thai V., Mirčetić D.: A STUDY ON THE BUSINESS EXECUTIVES COMPETENCY REQUIREMENTS IN THE PORT INDUSTRY, 1. 19th International Symposium on logistics (ISL 2014), Ho Chi Minh City: Centre for Concurrent Enterprise Nottingham University Business School, 6-9 Jul, 2014, pp. 769-774, ISBN 13 9780853583059
3. Mirčetić D., Lalwani C., Lirn T., Maslarić M., Nikoličić S.: ANFIS EXPERT SYSTEM FOR CARGO LOADING AS PART OF DECISION SUPPORT SYSTEM IN WAREHOUSE, 1. 19th International Symposium on logistics (ISL 2014), Ho Chi Minh City: Centre for Concurrent Enterprise Nottingham University Business School, 6-9 Jul, 2014, pp. 10-20, ISBN 13 9780853583059
4. Mirčetić D., Nikoličić S., Maslarić M.: Logistic centers: literature review and papers classification, 5. Transport and Logistics - TIL, Niš: University of Niš, Faculty of Mechanical Engineering, Department For Material Handling Systems And Logistics, 5-6 Jun, 2014, pp. 151-156, ISBN ISBN 978-86-6055-053
5. Sovilj-Nikić I., Sovilj B., Kovač P., SOVILJ-NIKIĆ S., VARGA G., LEGUTKO S., Gajić V.: AUTOMATION OF MODELING AND DESIGN OF TOOLS FOR GEARING BY RELATIVE ROLLING, 8. The Eighth International Symposium - KOD 2014 - Machine and Industrial Design in Mechanical Engineering, Balatonfüred: Faculty of technical Sciences-Novi Sad, Faculty of Mechanical Engineering, STU Bratislava, 12-15 Jun, 2014, pp. 221-224, ISBN ISBN 978-86-7892-615
6. Stojanović Đ., Biljan J., Šarac D., Trajkov A.: Gender employment inequality in the transport and logistics industry: the specifics in the Republic of Serbia and the Republic of Macedonia, 5. Womens Issues in Transportation WIIT, Pariz: Transportation Research Board, IFSTTAR, Transportation Research Arena, 14-16 April, 2014, pp. 525-536
7. Stojanović Đ., Veličković M., Jevđenić A.: The Impact of Transport Pollutants on Urban Ground and Some Possible Mitigation Measures, 2. International Conference on Traffic and Transport Engineering, Beograd: (Rad prihvaćen od strane recenzenata, Zbornik radova u štampi), 27-28 Novembar, 2014

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Simić D., Simić S., Milutinović D., Đorđević J.: Challenges for Nurse Rostering Problem and Opportunities in Hospital Logistics, Journal of Medical Informatics & Technologies, 2014, Vol. 23, pp. 195-202, ISSN 1642-6037, UDK: ISSN: 1642-6037

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

1. Mirčetić D., Nikoličić S., Maslarić M.: Razvoj modela za podršku pri odlučivanju u skladištu, 41. SYM-OP-IS Simpozijum o operacionim istraživanjima, Divčibare: Univerzitet u Beogradu, Saobraćajni fakultet, 16-19 Septembar, 2014, pp. 287-292, ISBN 978-86-7395-325

Spisak rezultata M71 - Odbranjena doktorska disertacija

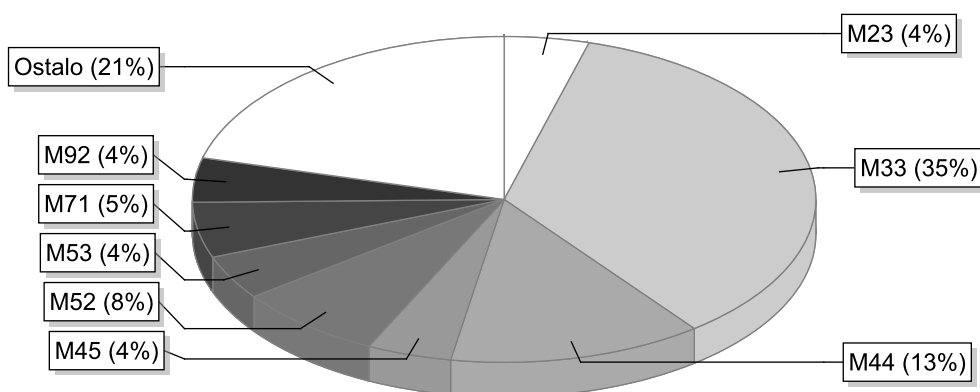
1. Maslarić M.: Razvoj modela upravljanja logističkim rizicima u lancima snabdevanja, Novi Sad, University of Novi Sad, Faculty of Technical Sciences, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 međunarodnom časopisu	M23	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	32
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	12
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	3
Rad u časopisu nacionalnog značaja	M52	7
Rad u naučnom časopisu	M53	4
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1
Odbranjena doktorska disertacija	M71	5
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	4
Autorska izložba sa katalogom uz naučnu recenziju	M93	3

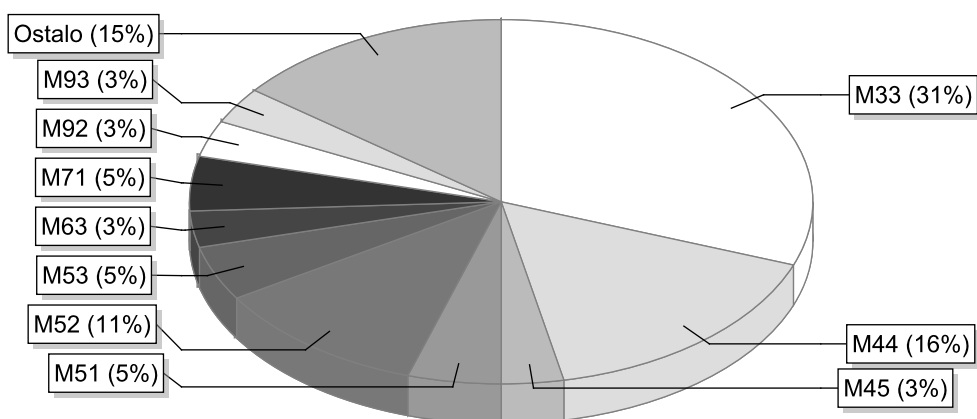


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	19
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	10
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	2
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske	M48	1
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	7
Rad u naučnom časopisu	M53	3
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1
Odbranjena doktorska disertacija	M71	3
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	2
Autorska izložba sa katalogom uz naučnu recenziju	M93	2



## PRODUKCIJA - REZULTATI

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

1. Silađi M., Tufegdžić A.: Заборављено наслеђе: градитељско наслеђе имања Жомбољ породице Чекоњић / Elfeledett örökség: a Csekonics család zombolyai uradalmának épített öröksége / Vergessenes Erbe : das Bauerbe des Csekonics-Gutes in Hatzfeld, Novi Sad, Fakultet tehničkih nauka, 2014, ISBN 978-86-7892-619-8, UDK: 721 ( 497 . 113+498 . 5 ) "17 / 19"

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Silađi M., Tufegdžić A.: Csekonics-örökség / Csekonics heritage – уметнички пројекат приказан на међународној изложби A Csekonics család zombolyai uradalmának épített öröksége / The architectural heritage of the Csekonics family estate, in the framework of The European Heritage Days, Budapest 03-28.09.2014. Fuga - Budapesti Építészeti Központ / Budapest Center of Architecture <http://www.fuga.org.hu/csekonics-orokseg-a-csekonics-csalad-zombolyai-uradalmanak-epített-oroksege> објављен у монографској студији међународног значаја Szilágyi Mária and Anica Tufegdžić. Заборављено наслеђе: градитељско наслеђе имања Жомбољ породице Чекоњић / Elfeledett örökség: a Csekonics család zombolyai uradalmának épített öröksége / Vergessenes Erbe : das Bauerbe des Csekonics-Gutes in Hatzfeld. Novi Sad: Fakultet tehničkih nauka, 2014.

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bajšanski I., Krklješ M., Nedučin D., Stojaković V.: THE IMPORTANCE OF COMPUTER PROGRAMS IMPLEMENTATION DURING THE FIRST YEAR OF ACADEMIC STUDIES IN ARCHITECTURE AND URBANISM, Proceedings of the 7th International Conference of Education, Research and Innovation, ICERI, 2014, pp. 1596-1601, 7. 7th International Conference of Education, Research and Innovation, Sevilja: International Academy of Technology, Education and Development (IATED), 17-19 Novembar, 2014, pp. 1596-1601, ISBN 978-84-617-2484-0
2. Bošković R., Krklješ M.: SCENTEC project – Development and Implementation of Courses for Theatre Technicians and Stage Managers, 1. International Conference Theater Technology Education and Curriculum, Šangaj, 9-12 April, 2014, pp. 1-7
3. Dadić Dinulović T., Konstantinović D.: Border (Učešće na međunarodnoj izložbi, sa međunarodnom selekcijom i katalogom štampanim na jednom od svetskih jezika prema Pravilniku o bližim uslovima za izbor u zvanje nastavnika Univerziteta u Novom Sadu iz 2013), 2. ON ARCHITECTURE - FACING THE FUTURE, Beograd: STRAND, 1-15 Decembar, 2014, pp. 43-43, ISBN 978-86-89111-05-7
4. Dulić O., Krklješ M.: Brownfield redevelopment as a strategy for preventing urban sprawl, 5. Građevinarstvo nauka i praksa, Žabljak: Univerzitet Crne Gore, Građevinski fakultet, 17-21 Februar, 2014, pp. 1371-1378, ISBN 978-86-82707-23-3
5. Dulić O., Krklješ M.: The Importance of Brownfield Regeneration for Social Community Improvement in Vojvodina (Serbia), 1. International academic conference – BROWNINFO, Banja Luka: University of Banja Luka Faculty of Architecture, Civil Engineering and Geodesy, 6-7 Novembar, 2014, pp. 147-154, ISBN 978-99955-752-4-3
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15. Pešterac A., Dimitrovska D.: Function of a desolate space, 1. PLACES AND TECHNOLOGIES, Beograd: University of Belgrade – Faculty of Architecture Design: Stanislav, 3-4 April, 2014, pp. 565-569, ISBN 978-86-7924-114-6
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Spisak rezultata M44 - Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja

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7. Sladić M., Kurtović-Folić N.: Optimization of administrative buildings function in the planning and designing

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9. Tufegdžić A.: Optimizacija (pre)namene starih industrijskih zgrada u uslovima tranzicije, u Optimizacija arhitektonskog i urbanističkog planiranja i projektovanja u funkciji održivog razvoja Srbije, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, 2014, str. 369-392, ISBN 978-86-7892-661-7
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2. Ecet D.: Nevidljivi gradovi - prateća tematska publikacija izložbe studenata doktorskih studija, 8. Beogradska internacionalna nedelja arhitekture.
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1. Kurtović-Folić N.: Kulturno nasleđe kao javno dobro – ekonomsko i društveno vrednovanje konzervacije (u

Srbiji), Moderna konzervacija 2/2014, 2014, pp. 37-46, ISSN 2334-9239

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1. Sekulić M., Kurtović-Folić N.: Krovni vrt kao fasadni omotač, 1. Fasade i krovovi u zgradarstvu – savremeni i tradicionalni materijali i sistemi u funkciji energetske efikasnosti, trajnosti i, Beograd: Društvo za ispitivanje istraživanje materijala i konstrukcija Srbije, Institut IMS, Inženjerska komora Srbije, 25 Oktobar, 2013, pp. 143-157, ISBN 978-86-87615-04-5, UDK: 712.4:692.415

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1. Pešterac A.: Granica ili međuprostor?, 1. Granica - Uzroci i posledice pada Berlinskog zida, Novi Sad: FTN, 29 Mart, 2014, pp. 25-25, ISBN 978-86-7892-670-9

Spisak rezultata M66 - Uređivanje zbornika saopštenja skupa nacionalnog značaja

1. Dadić Dinulović T., Konstantinović D., Pešterac A.: Granica: uzroci i posledice Berlinskog zida, knjiga apstrakata, 1. Granica - Uzroci i posledice pada Berlinskog zida, Novi Sad: Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka u Novom Sadu, 29 Mart, 2014, ISBN 978-86-7892-670-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Konstantinović D.: Programske osnove jugoslovenske arhitekture: 1945-1980, Novi Sad, Fakultet tehničkih nauka, 2014
2. Todorov M.: Konzumerizam i arhitektonski narativi u modernom enterijeru na kraju XX i početku XXI veka, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2014
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Spisak rezultata M91 - Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo na međunarodnom nivou

1. Nedeljković D.: Scenografija za predstavu "Hormoni", Mile Mašović, Gradsko pozorište Podgorica, Crna Gora (medjunarodni projekat), oktobar 2014., Beograd, 2014

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

1. Nedeljković D.: Scenografija za predstavu "Kazimir i Karolina", Edena fon Horvata, Pozorište Atelje 212, decembar 2014., Beograd, 2014
2. Nedeljković D.: Scenografija za predstavu "Nosorog", Ežena Joneska, Narodno pozorište Kikinda, maj 2014., Kikinda, 2014

Spisak rezultata M93 - Autorska izložba sa katalogom uz naučnu recenziju

1. Crevar N., Despotović J., Ecet D., Grgić S., Atanacković-Jeličić J., Kojić R., Maraš I., Medić S., Metikoš D., Miškelić I., Nožinić R., Pušara Đ., Radović M., Šolević T., Todorov M.: Izložba "4 x RTV x 505", Galerija "Đura Kojić", Novi Sad, decembar 2014 - januar 2015, 4 projekta gde su svi radovi rezultat grupe autora, čija su imena pobrojana po abecednom redu, recenzija: dr Milena Krklješ, docent, Novi Sad, Departman za arhitekturu, Fakultet tehničkih nauka, 2014, ISBN 978-86-7892-665-5
2. Dadić Dinulović T., Konstantinović D.: Granica, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka Univerziteta u Novom Sadu, 2014, ISBN 978-86-7892-671-6

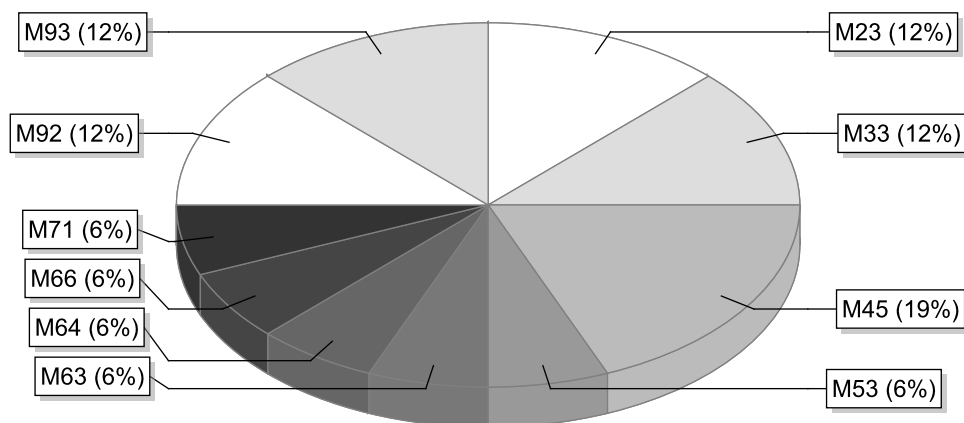


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za umetnost primenjenu na arhitekturu, tehniku i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	3
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1
Odbranjena doktorska disertacija	M71	1
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2
Autorska izložba sa katalogom uz naučnu recenziju	M93	2



## PRODUKCIJA - REZULTATI

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Dadić Dinulović T., Milićević S.: "Teaching Theory and Criticism of Scene Design"
2. Milićević S., Dadić Dinulović T.: "The Empty Space in Theatre and Psychoanalysis"

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

1. Dadić Dinulović T., Konstantinović D.: Border (Učešće na međunarodnoj izložbi, sa međunarodnom selekcijom i katalogom štampanim na jednom od svetskih jezika prema Pravilniku o bližim uslovima za izbor u zvanje nastavnika Univerziteta u Novom Sadu iz 2013), 2. ON ARCHITECTURE - FACING THE FUTURE, Beograd: STRAND, 1-15 Decembar, 2014, pp. 43-43, ISBN 978-86-89111-05-7
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1. Dadić Dinulović T.: Na istok, i dalje - natrag, Scena, 2014, ISSN 0036-5734

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

1. Dadić Dinulović T.: Društvena uloga i potencijal scenskog dizajna, 1. Granica - Uzroci i posledice pada Berlinskog zida, Novi Sad: Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka u Novom Sadu, 29 Mart, 2014, ISBN 978-86-7892-670-9

### Spisak rezultata M66 - Uređivanje zbornika saopštenja skupa nacionalnog značaja

1. Dadić Dinulović T., Konstantinović D., Pešterac A.: Granica: uzroci i posledice Berlinskog zida, knjiga apstrakata, 1. Granica - Uzroci i posledice pada Berlinskog zida, Novi Sad: Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka u Novom Sadu, 29 Mart, 2014, ISBN 978-86-7892-670-9

### Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Dadić Dinulović T.: Fenomenologija spektakla: scenski dizajn kao sredstvo konstrukcije događaja, Novi Sad, Asocijacija centara za interdisciplinarnu i multidisciplinarnu studije i istraživanja, Univerzitet u Novom Sadu, 2014

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

1. Dimitrovska D.: Scenografija za predstavu: Branislav Nušić GOSPOĐA MINISTARKA, Srpsko narodno pozorište, Novi Sad, Novi Sad, 2014
2. Dimitrovska D.: Scenografija za predstavu: Nikolaj Koljada KOKOŠKA, Kraljevačko pozorište, Kraljevo, Kraljevo, 2014

### Spisak rezultata M93 - Autorska izložba sa katalogom uz naučnu recenziju

1. Dadić Dinulović T., Konstantinović D.: Granica, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka Univerziteta u Novom Sadu, 2014, ISBN 978-86-7892-671-6
2. Dimitrovska D.: Atlas imaginarnih mesta, izložba studenata doktorskih studija Departmana za arhitekturu i urbanizam, Fakulteta tehničkih nauka u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, 2014, str. 11-11, UDK: 978-86-7892-698-3

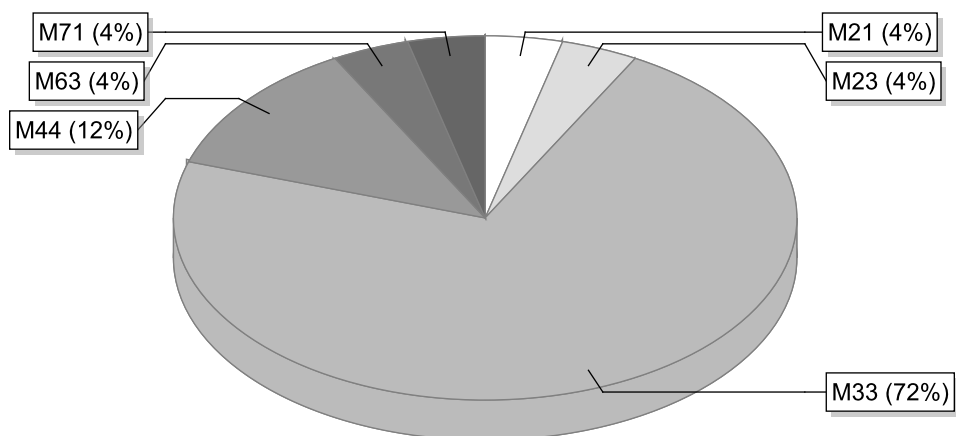


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorije i interpretacije prostora u arhitekturi i urbanizmu

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	18
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Obranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

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

1. Stojaković V., Popov S., Tepavčević B.: Visualization of the Centre of Projection Geometrical Locus in a Single Image, DOI 10.1111/cgf.12254, Computer Graphics Forum, 2014, Vol. 33, No 1, pp. 52-63, ISSN 0167-7055

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Tepavčević B., Stojaković V.: Representation of Non-metric Concepts of Space in architectural design theories 10.1007/s00004-014-0194-8, Nexus Network Journal, 2014, Vol. 16, No 2, pp. 285-297, ISSN 1590-5896

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

1. Bajšanski I., Krklješ M., Nedučin D., Stojaković V.: THE IMPORTANCE OF COMPUTER PROGRAMS IMPLEMENTATION DURING THE FIRST YEAR OF ACADEMIC STUDIES IN ARCHITECTURE AND URBANISM, Proceedings of the 7th International Conference of Education, Research and Innovation, ICERI, 2014, pp. 1596-1601, 7. 7th International Conference of Education, Research and Innovation, Sevilla: International Academy of Technology, Education and Development (IATED), 17-19 Novembar, 2014, pp. 1596-1601, ISBN 978-84-617-2484-0
2. Bajšanski I., Stojaković V., Štulić R.: NATURAL PERSPECTIVE IMAGE FOR ARCHITECTURAL DESIGN REPRESENTATION, 4. moNGeometrija, Vlasina: Faculty of Civil Engineering and Architecture in Nis, Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 24-32, ISBN 978-86-88601-
3. Đerić J., Hiel K., Milinković A., Brkljač D.: Potential of abandoned industrial spaces located along waterfronts in Novi Sad, 1. International academic conference – BROWNINFO, Banja Luka: University of Banja Luka, Faculty of Architecture, Civil Engineering and Geodesy, 6-7 Novembar, 2014, pp. 219-226, ISBN 978-99955-752-4-3
4. Janev J., Perišić A., Lazić M.: Optimisation of real life models using basic geometrical shapes in freehand drawing course in engineering animation, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš, 20-22 Jun, 2014, pp. 358-367, ISBN 978-86-88601-13-9
5. Jovanović M.: Algorithmic Approach to Origami Pattern Application in Architectural Design, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in NIŠ; Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 100-109, ISBN 978-86-88601-13-9
6. Jovanović M.: Facade Extrusions' Influence on the Building Solar Insolation Performance, 16. Materials, Methods and Technologies, Elenite, 11-15 Jun, 2014, pp. 647-654, ISBN 1314-7269
7. Milinković A., Đerić J., Brkljač D., Hiel K.: INFLUENCE OF COLOUR AS A DESIGN FEATURE ON THE PERCEPTION OF THE ARCHITECTURAL OBJECT, 4. moNGeometrija, Vlasina: Faculty of Civil Engineering and Architecture in Niš, Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 335-344, ISBN 978-86-88601-13-9
8. Milinković A., Đerić J., Brkljač D., Hiel K.: Symbolic importance of vertical dominants on the public facilities along the Mihailo Pupin boulevard in Novi Sad, 2. ON ARCHITECTURE - FACING THE FUTURE, Beograd: STRAND - Sustainable Urban Society Association, Belgrade, 1-15 Decembar, 2014, pp. 259-267, ISBN 978-86-89111-06-4
9. Nedučin D., Ristić D., Kubet V.: Places and practices of consumption in the postsocialist context, 1. International academic conference "Places and Technologies 2014: Keeping up with Technologies to Improve Places", Beograd: Faculty of Architecture, University of Belgrade, 3-4 April, 2014, pp. 880-887, ISBN ISBN 978-86-7924-114
10. Nikolić D., Bošnjak I., Štulić R.: Nikolić D., Bošnjak I., Štulić R., A Note on a Propertie of Hyperosculating Circle of Parabola and its Generalization, 4th International Conference on Geometry and Graphics moNGeometrija 2014, pp. 112-117, Vlasina, Serbia, 2014., 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 112-117
11. Nikolić D., Štulić R.: Nikolić D., Štulić R., Endpoints of Oblique Helicoid's Contour Line and its Influence on the Construction of Generalized Kappa Curve, 4th International Conference on Geometry and Graphics moNGeometrija 2014, pp. 139-147, Vlasina, Serbia, 2014., 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 139-147
12. Nikolić D., Štulić R.: Nikolić D., Štulić R., Spatial Interpretation of Generalized Kappa Curve as the Projection of Open Oblique Helicoid's Contour Line, 4th International Conference on Geometry and Graphics moNGeometrija 2014, pp. 127-138, Vlasina, Serbia, 2014., 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 127-138

13. Nikolić D., Štulić R.: Nikolić D., Štulić R., Spatial Interpretation of Kappa Curve as the Projection of Closed Oblique Helicoid's Contour, 4th International Conference on Geometry and Graphics moNGeometrija 2014, pp. 118-126, Vlasina, Serbia, 2014. , 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 118-126
14. Perišić A., Lazić M., Šiđanin P.: Representation of morphological characteristic of space in architecture and urbanism by fly-through animation and simulation, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš, 20-22 Jun, 2014, pp. 32-41, ISBN 978-86-88601-13-9
15. Perišić A., Perišić B., Lazić M.: The Foundation of Domain Specific Language for Architectural and Urban Design, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 19-21 Mart, 2014
16. Perišić B., Perišić A., Lazić M.: The Broker Solution Example of Domain Specific Languages Orchestration Framework, 23. Electrotechnical and Computer Science Conference, Portorož, 22-24 Septembar, 2014, pp. 3-6
17. Raković M., Jovanović M., Borovac B., Tepavčević B., Nikolić M., Papović M.: Design and Fabrication with Industrial Robot as Brick-laying tool and with Custom Script Utilization, 23. IEEE International Conference on Robotics in Alpe-Adria-Danube Region, Smolenice: IEEE Xplore, 3-5 Septembar, 2014, pp. 1-5
18. Stojaković V., Bajšanski I.: Image-based surveying and modeling of the unprotected architectural heritage – a case study of st. Rudolf's church, 24. CIPA Symosium, Strasbourg, 2-6 Septembar, 2013, pp. 295-300, ISBN 2194-9050

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

1. Đerić J., Šiđanin P.: Augmentovana realnost - istorijske analogije, primena i budućnost, Novi Sad, Fakultet tehničkih nauka, 2014, str. 3-28, ISBN 978-86-7892-661-7
2. Đerić J.: Sistematizacija i digitalizacija podataka graditeljskog nasleđa na teritoriji grada Novog Sada, Novi Sad, Fakultet tehničkih nauka , 2014, str. 111-128, ISBN 978-86-7892-661-7
3. Nedučin D., Kubet V.: Postsocijalistički model stanogradnje - uticaj na kvalitet stambenog fonda i standard stanovanja u Novom Sadu. U Kurtović Folić N. (ur.): Optimizacija arhitektonskog i urbanističkog planiranja i projektovanja u funkciji održivog razvoja Srbije, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2014, str. 233-248, ISBN 978-86-7892-661-7

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

1. Hiel K., Đerić J.: Obrazovanje studenata arhitekture o energetskej efikasnosti, 20. Skup "Trendovi razvoja" - TREND, Kopaonik: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 24-27 Februar, 2014, pp. 262-265, ISBN 978-86-7892-594-8

Spisak rezultata M71 - Odbranjena doktorska disertacija

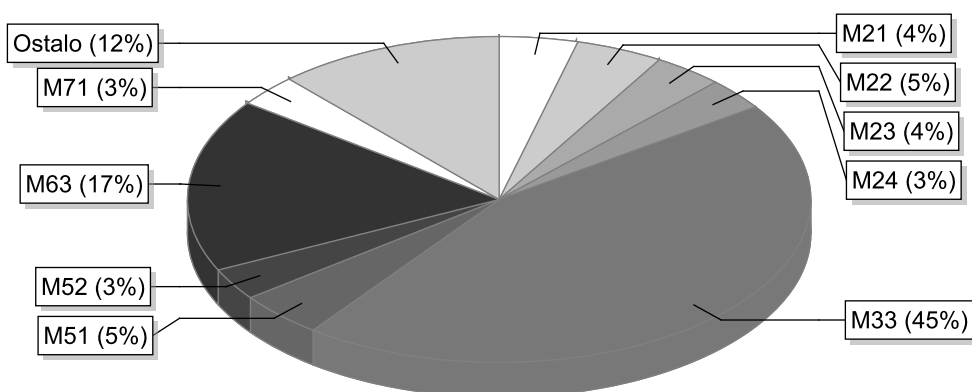
1. Nedučin D.: Postsocijalistički grad - promena društvene i prostorne strukture Novog Sada u periodu tranzicije, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za industrijsko inženjerstvo i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	4
Rad u vrhunskom međunarodnom časopisu	M21	9
Rad u istaknutom međunarodnom časopisu	M22	10
Rad u međunarodnom časopisu	M23	8
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	7
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	99
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Monografska bibliografska publikacija	M43	3
Rad u vodećem časopisu nacionalnog značaja	M51	10
Rad u časopisu nacionalnog značaja	M52	7
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	38
Odbranjena doktorska disertacija	M71	7
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	4
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2

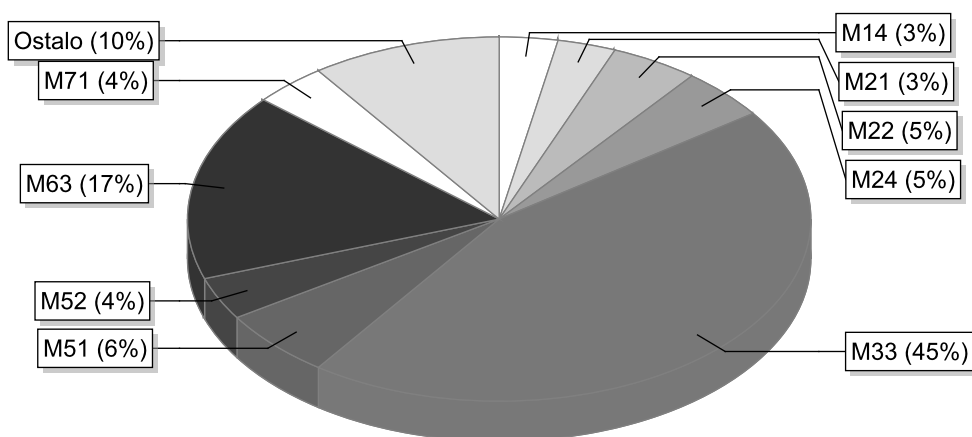


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za proizvodne sisteme, organizaciju i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	4
Rad u vrhunskom međunarodnom časopisu	M21	4
Rad u istaknutom međunarodnom časopisu	M22	6
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	6
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	59
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Monografska bibliografska publikacija	M43	2
Rad u vodećem časopisu nacionalnog značaja	M51	8
Rad u časopisu nacionalnog značaja	M52	5
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	22
Odbranjena doktorska disertacija	M71	5
Bitno poboljššan postojeći proizvod ili tehnologija	M84	1





## PRODUKCIJA - REZULTATI

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

1. Markov S., Tekić Ž.: Students and Entrepreneurship – Challenges in Research and Education Chapter VII in Engineering Management – Challenges for the Future Editors: H.-J. Bullinger and D. Spath , Vienna, Faculty of Technical Sciences (Novi Sad, Serbia), Fraunhofer IAO (Stuttgart, Germany) and DAAAM International (Vienna, Austria), , 2014, str. 127-145, ISBN 978-3-902734-01-3
2. Pečujlija M.: Moral Thinking, Advances in Psychology Research. Volume 99, Editors: Alexandra M. Columbus, publisher IMPRINT, New York, Nova Science Publishers, Inc., 2014, ISBN 978-1-63321-285-5

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

1. Frank A., Ivanišević A.: Technical and Economical Inequality in Hazard Early Warning Systems Development and Management, Novi Sad, Novi Sad: FTN, Grafički centar GRID, 2014, str. 53-67, ISBN 978-86-7892-664-8
2. Mitrović S., Melović B., Milisavljević S.: Organizational culture as key determinant of business imparity, Novi Sad, Faculty of technical sciences, 2014, str. 171-181, ISBN 978-86-7892-664-8.
3. Nikolić S., Stanković J., Dejanović A.: Socio-Economic Aspect of Business: Corporate Social Responsibility as Part of Brand Strategy, Novi Sad, Faculty of Technical Scinces, GRID, 2014, str. 143-152, ISBN 978-86-7892-664
4. Tepić J., Đelošević M., Lalić B.: Multi-criteria Analysis in the Selection of Logistics Centers, Berlin, LAP LAMBERT Academic Publishing, 2014, ISBN ISBN-13: 978-3-659-5

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Gajić G., Stankovski S., Ostojić G., Tešić Z., Miladinović Lj.: Method of evaluating the impact of ERP implementation critical success factors – a case study in oil and gas industries (DOI:10.1080/17517575.2012.690105), Enterprise Information Systems, 2014, Vol. 8, No 1, pp. 84-106,
2. Jovanović V., Stevanov B., Šešlija D., Dudić S., Tešić Z.: Energy Efficiency Optimization of Air Supply System in a Water Bottle Manufacturing, Journal of Cleaner Production, 2014, Vol. 85, pp. 306-317, ISSN 0959-6526
3. Mirković M., Vrgović P., Čulibrk D., Stefanović D., Anderla A.: Evaluating the Role of Content in Subjective Video Quality Assessment, The Scientific World JOURNAL, 2014, Vol. 2014, pp. 1-9, ISSN 1537-744X
4. Todorović P., Vukelić Đ., Tadić B., Veljković D., Budak I., Mačužić I., Lalić B.: Modelling of dynamic compliance of fixture/workpiece interface, International Journal of Simulation Modelling, 2014, Vol. 13, No 1, pp. 54-65, ISSN 1726-4529

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Delić M., Radlovački V., Kamberović B., Maksimović R., Pečujlija M.: Examining relationships between quality management and organisational performance in transitional economies, Total Quality Management & Business Excellence, 2014, Vol. 25, No 3-4, pp. 367-382, ISSN 1478-3363
2. Konja V., Matic D., Lalić D.: Social Constructionist Perspective of the Leadership in Serbia, Engineering Economics, 2014, Vol. 25, No 4, pp. 437-449, ISSN 1392-2785
3. Pavlović J., Lalić D., Đurašković D.: Communication by Non-governmental Organizations via the Facebook Social Network, Engineering Economics, 2014, Vol. 25, No 2, pp. 186-193, ISSN 1392-2785
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Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Mitrović S., Grubić-Nešić L., Milisavljević S., Melović B., Babinkova Z.: Manager's Assessment of Organizational Culture, E and M Ekonomie a Management, 2014, Vol. 17, No 3, pp. 35-49, ISSN 1212-3609, UDK: dx.doi.org/10.15240/tul/001/2014-3-004

2. Ratković Njegovan B., Šiđanin I.: The Crisis of Public Broadcasting as the Management Crisis: A Case Study of the Radio Television of Vojvodina, *Journal for East European Management Studies*, 2014, Vol. 19, No 3, pp. 348-367, ISSN 0949-6181

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

1. Čabrilo S., Grubić-Nešić L., Mitrović S.: Study on human capital gaps for effective innovation strategies in the knowledge era, *Journal of Intellectual Capital*, 2014, Vol. 15, No 3, pp. 411-429, ISSN 1469-1930, UDK: 10.1108/JIC-05-2014-0058
2. Đaković V., Anđelić G., Ljumović I.: Parametric and Nonparametric VaR Daily Returns Estimation, *Industrija*, 2014, Vol. 42, No 4, pp. 43-54, ISSN 0350-0373, UDK: 33
3. Melovic B., Mitrović S., Djokaj A., Nestic A., Lekovic M.: Integrated marketing communications as a function of brand development, *Construction of Unique Buildings and Structures*, 2014, Vol. 12, No 27, pp. 32-39, ISSN 2304-6295
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5. Melović B., Grubić-Nešić L., Ratković Njegovan B., Jocović M.: Ethical issues as a potential factor of brand's (un)success, *Construction of Unique Buildings and Structures*, 2014, Vol. 12, No 27, pp. 32-39, ISSN 2304-6295
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Spisak rezultata M31 - Predavanje po pozivu sa međunarodnog skupa štampano u celini

1. Katić (Drezgić) I., Penezić N., Skenderija B.: Human Resources as the Motivating Power of Entrepreneurial Activity, 16. International Scientific Conference on Industrial Systems, Novi Sad: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 15-17 Oktobar, 2014, pp. 181-195, ISBN 978-86-7892-664-8, UDK: 316.342.6(082)

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Anišić Z., Firstner (Fürstner) I., Orčik A., Nađ A.: iDEA LAB Platform for Student Innovation Contest - Ffirst Results in the Application, 6. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: FTN, Novi Sad, 24-26 Septembar, 2014, pp. 8-13, ISBN 978-86-626-6
2. Anišić Z., Firstner (Fürstner) I., Orčik A., Nađ A.: Some results in implementation of iDEA Lab Co-Creation platform, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: FTN, Novi Sad, 15-17 Oktobar, 2014, pp. 303-308, ISBN 978 - 86 - 7892 - 65
3. Assimakopoulos C., Nikolić D., Simeunović N., Nenadović M., Dvizac S.: The marketing dimensions of Facebook for enrolling study programs: Evidence from the University of Novi Sad, 2. International Conference on Contemporary Marketing Issue, Athens: Alexander Technological Educational Institute of Thessaloniki, Athens, 18-20 Jun, 2014, pp. 865-873, ISBN ISBN 978-960-287-145
4. Balenović I., Grubić-Nešić L.: Effective communication in social entrepreneurship, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: Faculty of technical sciences, Novi Sad, 15-17 Oktobar, 2014, pp. 309-313, ISBN 978-86-7892-652-5
5. Beker I., Lazarević M., Hua Tan K., Loyer C., Georgouli P.: Power of Timer and Value Stream Mapping, 16. International Scientific Conference on Industrial Systems, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 15-17 Oktobar, 2014, pp. 219-225, ISBN 978-86-7892-652-5, UDK: 658.5(082)
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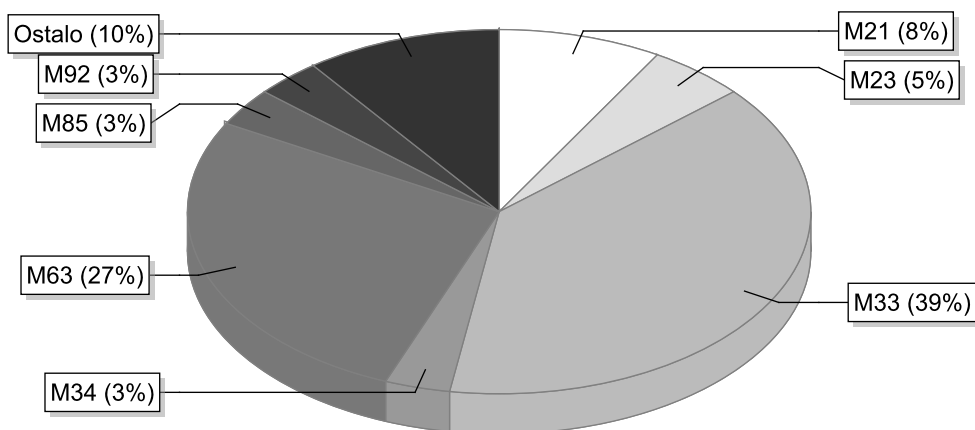


## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehatroniku, robotiku i automatizaciju

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	5
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	3
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	23
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	16
Odbranjena doktorska disertacija	M71	1
Bitno poboljšan postojeći proizvod ili tehnologija	M84	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	2
Realizovani patent, soj, sorta ili rasa, arhitektonsko, građevinsko ili urbanističko autorsko delo	M92	2



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14. Tegeltija S., Ostojić G., Tejić B., Baranovski I., Lazarević M.: Razvoj pametnih kućnih aparata, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, Srpsko Sarajevo, Republika Srpska, 19-21 Mart, 2014, pp. 49-52, ISBN 99938-624-2-8
15. Tejić B., Tegeltija S., Ostojić G., Stankovski S., Miljković P.: Manipulator za promenu orijentacije predmeta rada na pokretnoj traci, 13. Međunarodni naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički fakultet Istočno Sarajevo, 19-21 Mart, 2014, pp. 576-580, ISBN 99938-624-2-8
16. Vilotić D., Doroslovački R., Kovačević I., Katić V., Kolaković S., Šešlija D.: Visoko obrazovanje u funkciji potreba tržišta rada, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 63-68, ISBN 978-86-7892-594-8

#### Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Milenković I.: Kvalitet vazduha pod pritiskom u funkciji održive proizvodnje, Novi Sad, Fakultet tehničkih nauka, 2014

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

1. Tejić B., Tegeltija S., Stankovski S., Tešić Z., Ostojić G., Milosavljević M.: SISTEM ZA PRAĆENJE I NADZOR KANCELARIJSKIH APARATA ZA VODU, 2014

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

1. Tegeltija S., Tejić B., Stankovski S., Ostojić G., Horvat S., Milosavljević M.: Aplikacija za generisanje podataka o plaćanju u obliku QR koda, 2014
2. Tejić B., Beg I., Tegeltija S., Stankovski S., Ostojić G., Šiposki A.: Pametni RFID tag za obeležavanje prehrambenih proizvoda, 2014

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

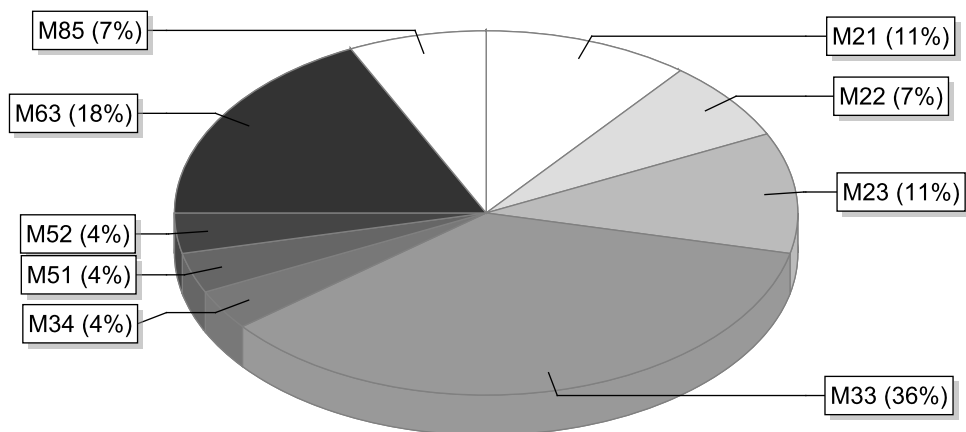
1. Stankovski S., Tegeltija S., Ljubinković N., Majstorović N., Ostojić G., Nićin M.: Metod za vraćanje novčanih apoena u bankomat mašinama (Patentna prijava broj: P-2014/190, Datum:16.4.2014.), Novi Sad, 2014
2. Stankovski S., Tegeltija S., Tejić B., Ostojić G., Milojković A.: Bežično upravljanje pametnom slavinom (Patentna prijava broj: P-2014/0051, Datum: 06.02.2014.), 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informaciono-komunikacione sisteme

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	2
Rad u međunarodnom časopisu	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	10
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	2



## PRODUKCIJA - REZULTATI

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

1. Mirković M., Vrgović P., Čulibrk D., Stefanović D., Anderla A.: Evaluating the Role of Content in Subjective Video Quality Assessment, *The Scientific World JOURNAL*, 2014, Vol. 2014, pp. 1-9, ISSN 1537-744X
2. Sladojević M., Sladojević S., Čulibrk D., Tadić S., Jung R.: Echocardiographic Parameters as Predictors of In-Hospital Mortality in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention, *The Scientific World JOURNAL*, 2014, Vol. 2014, pp. 1-9, ISSN 1537-744X
3. Vujić A., Crnojević V., Panić M., Brkljač B., Čulibrk D., Ačanski J.: Image Processing Method for Automatic Discrimination of Hoverfly Species, *Mathematical Problems in Engineering*, 2014, ISSN 1024-123X, UDK: <http://dx.doi.org/10.1155/2014/986271>

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

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2. Erić M., Anderla A., Stefanović D., Drapšin M.: Breast volume estimation from systematic series of CT scans using the Cavalieri principle and 3D reconstruction, *International Journal of Surgery*, 2014, Vol. 12, No 9, pp. 912-917, ISSN 1743-9191

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Nikolić J., Lončar-Turukalo T., Sladojević S., Marinković M., Janjić Z.: Melanoma risk prediction models, *Vojnosanitetski pregled*, 2014, Vol. 71, No 8, pp. 757-766, ISSN 0042-8450
2. Rackov M., Milovančević M., Kanović Ž., Vereš M., Rafa K., Banić M., Miltenović A.: Optimization of HCR Gearing Geometry Using Generalized Particle Swarm Optimization Algorithm, *Tehnicki vjesnik - Technical Gazette*, 2014, Vol. 21, No 4(2014), pp. 723-732, ISSN 1330-3651, UDK: 681.833.1:519.254
3. Ristić S., Kordić (Aleksić) S., Čeliković M., Luković I.: Generic and Standard Database Constraint Meta-Models, *Computer Science and Information Systems (ComSIS)*, 2014, Vol. 11, No 2, pp. 679-696, ISSN 1820-0214, UDK: DOI:10.2298/CSIS140216037R

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

1. Čeliković M., Dimitrieski V., Kordić (Aleksić) S., Ristić S., Luković I.: A DSL for EER Data Model Specification, 23. International Conference on Information Systems Development, Varaždin: University of Zagreb, Faculty of Organization and Informatics, 2-4 Septembar, 2014, pp. 290-297, ISBN 978-953-6071-43-2
2. Dimitrieski V., Čeliković M., Kordić (Aleksić) S., Ristić S., Luković I.: Extended Entity-Relationship Approach in a Multi-Paradigm Information System Modeling Tool, 4. Federated Conference on Computer Science and Information Systems, Warsaw: IEEE Computer Society Press and Polish Information Processing Society, 7-10 Septembar, 2014, pp. 1611-1620, ISBN 978-83-60810-58-3
3. Kuzmanović S., Rackov M., Knežević I., Rafa K., Tica M.: Possibilities of Increasing Efficiency of Mechanical Transmissions, 8. The Eighth International Symposium - KOD 2014 - 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, 12-15 Jun, 2014, pp. 207-210, ISBN 978-86-7892-615-0
4. Lazarević M., Krsmanović C., Čosić I., Lazarević Đ., Sremčev N.: Student Enterprise: Idea and practice, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad - Faculty of Technical Sciences, Department of Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 23-26, ISBN 978-86-7892-652-5
5. Mirković M., Miković I., Anderla A., Stefanović D.: Discovering association rules in publicly available recipes, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: FTN, 15-17 Oktobar, 2014, pp. 167-170, ISBN 978-86-7892-652-5
6. Perišić I., Kekeljević I., Venus D.: Model Driven Dynamic Resources Finder (MDD\_RF) The University of Novi Sad Campus Case Study, Infoteh, Jahorina, 2014, Vol. 300, No 13, pp. 1257-1261, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Vuka Karadžića 30, 71123 Istočno Sarajevo, 19-21 Mart, 2014, pp. 1257-1261, ISBN ISBN 978-99955-763-3
7. Pržulj Đ., Vukmanović M., Govedarica M., Radulović A.: Developing Mobile Device Application for Cadastral Data Presentation, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and

Management, 15-17 Oktobar, 2014, pp. 157-162, ISBN 978-86-7892-652-5

8. Rafa K., Rackov M., Knežević I.: Improvement of Business Processes in Production System Concerning Repair and Installation of Brake Systems for Rail Vehicles, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 41-44, ISBN 978-86-7892-652-5
9. Sladić D., Radulović A., Govedarica M., Jovanović D., Rašić D.: THE USE OF ONTOLOGIES IN CADASTRAL SYSTEMS, 4. International Conference on Information Science and Technology (ICIST), Kopaonik: Society for Information Systems and Computer Networks, 9-13 Mart, 2014, pp. 256-261, ISBN 978-86-85525-14-8
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Jovanović D., Govedarica M., Rašić D.: REMOTE SENSING AS A TREND IN AGRICULTURE, Book of abstracts International symposium "Trends in the european agriculture development", 2014, Vol. 1, No 2, pp. 29-29, ISSN 2343-9459, 8. Trends in the European Agriculture Development, Temišvar: Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I Of Romania" from Timisoara, 29-30 Maj, 2014, pp. 29-29, ISBN 2343-9459

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Ristić S., Kordić (Aleksić) S., Čeliković M., Dimitrieski V., Luković I.: Database Reverse Engineering Based on Meta-Models, Central European Journal of Computer Science, 2014, Vol. 4, No 3, pp. 150-159, ISSN 1896-1533, UDK: DOI: 10.2478/s13537-014-0218-1

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Šostakov R., Zelić A., Knežević I., Zuber N., Rafa K.: Application of Rigid Method for Determining the Skewing Forces on Bridge Cranes and Trolleys according to EN 15011, Machine Design, 2014, Vol. 6, No 2, pp. 59-62, ISSN 1821-1259

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

1. Brdar S., Lugonja P., Minić V., Čulibrk D., Crnojević V.: Crop classification using multispectral Worldview-2 satellite imagery, 10. DOGS, Digitalna obrada govora i slike, Novi Sad: Fakultet Tehničkih Nauka, 5-9 Oktobar, 2014, ISBN 978-86-7892-633-4
2. Mirković M., Čulibrk D., Šetrajić I., Stefanović D., Sladojević S., Anderla A.: Primena istraživanja podataka u domenu elektronskog učenja, 20. Skup "Trendovi razvoja" - TREND, Kopaonik, 24-27 Februar, 2014, ISBN 978-86-7892-601-3
3. Sladojević S., Borbelj A., Čulibrk D., Stefanović D., Anderla A., Mirković M.: A Service Oriented Approach to Clinical Information System Development, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički Fakultet Istočno Sarajevo, 19-21 Mart, 2014, pp. 858-862
4. Stefanović D., Nikolić (Pavlović) J., Mitrović S., Anderla A., Melović B.: Elektronska uprava u Srbiji, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički Fakultet Istočno Sarajevo, 19-21 Mart, 2014, pp. 718-722, ISBN 978-99955-763-3-2
5. Zečević I., Perišić B., Venus D., Perišić I., Bjeljac P., Kekeljević I.: Nastavnički web-portal - podrška operativnom radu nastavnog osoblja visokoškolskih ustanova, 20. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 24-27 Februar, 2014, pp. 219-222, ISBN 978-86-7892-594-8

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

1. Sladojević S., Minić V., Panić M., Čulibrk D., Crnojević V., Edelinski I.: Softver: Centralna baza za skladištenje podataka iz bežične senzorske mreže (WSN), 2014
2. Sladojević S., Minić V., Panić M., Čulibrk D., Crnojević V., Edelinski I.: Softver: Internet aplikacija za prikaz i ažuriranje podataka sa bežičnih senzorskih mreža, 2014

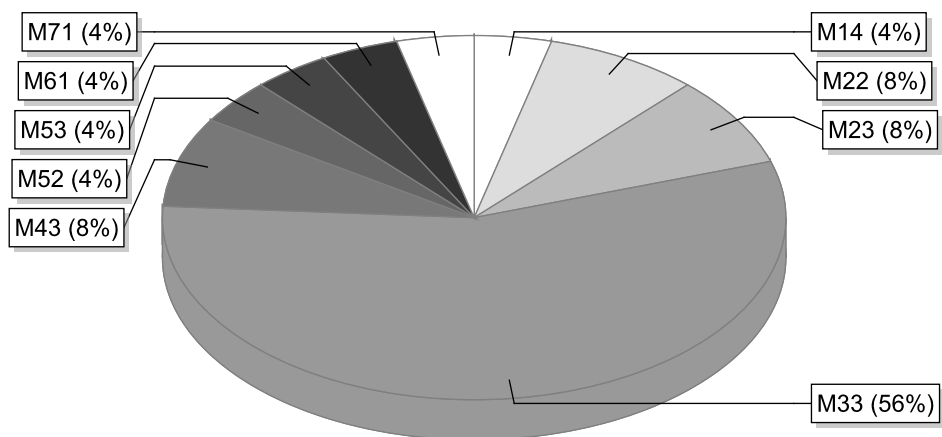


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za kvalitet, efektivnost i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	2
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Monografska bibliografska publikacija	M43	2
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	1
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Obranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

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

1. Mitrović S., Melović B., Milisavljević S.: Organizational culture as key determinant of business imparity, Novi Sad, Faculty of technical sciences, 2014, str. 171-181, ISBN 978-86-7892-664-8.

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Delić M., Radlovački V., Kamberović B., Maksimović R., Pečujlija M.: Examining relationships between quality management and organisational performance in transitional economies, Total Quality Management & Business Excellence, 2014, Vol. 25, No 3-4, pp. 367-382, ISSN 1478-3363
2. Delić M., Radlovački V., Kamberović B., Vulcanović S., Hadžistević M.: Exploring the impact of quality management and application of information technologies on organisational performance – case of Serbia and the wider region, Total Quality Management & Business Excellence, 2014, Vol. 25, No 7-8, pp. 776-789, ISSN 1478-3363

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Karanović V., Jocanović M., Jovanović V.: Review of Development Stages in the Conceptual Design of an Electro-Hydrostatic Actuator for Robotics, Acta Polytechnica Hungarica, Journal of Applied Sciences, 2014, Vol. 11, No 5, pp. 59-79, ISSN 1785-8860
2. Mitrović S., Grubić-Nešić L., Milisavljević S., Melović B., Babinkova Z.: Manager's Assessment of Organizational Culture, E and M Ekonomie a Management, 2014, Vol. 17, No 3, pp. 35-49, ISSN 1212-3609, UDK: dx.doi.org/10.15240/tul/001/2014-3-004

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Beker I., Lazarević M., Hua Tan K., Loyer C., Georgouli P.: Power of Timer and Value Stream Mapping, 16. International Scientific Conference on Industrial Systems, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehnickih nauka, 15-17 Oktobar, 2014, pp. 219-225, ISBN 978-86-7892-652-5, UDK: 658.5(082)
2. Brkljač N., Vuković M., Vulcanović S., Kesić I., Šević D.: USPOSTAVLJANJE SISTEMA UPRAVLJANJA ENERGIJOM U INDUSTRIJSKIM SISTEMIMA, SAGLASNO ZAHTEVIMA STANDARDA ISO 50001:2011 I KORISTI OD PRIMENE, 9. International Convention on Quality, Beograd: Jedinstveno udruženje Srbije za kvalitet, 2-5 Jun, 2014, ISBN 978-86-89157-02-4, UDK: 006.35, 334.71, 502.21
3. Jocanović M., Karanović V., Kraišnik M.: SOLID CONTAMINANTS IN HYDRAULIC OIL AND THEIR IMPACT ON THE INTENSITY OF WEAR AND TEAR OF WORKING ELEMENTS IN DIRECTIONAL VALVES , 1. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA, Istočno Sarajevo: University of East Sarajevo, Faculty of Mechanical Engineering, 28-30 Novembar, 2012, pp. 195-202, ISBN 978-99976-623-1-6
4. Karanović V., Jocanović M., Delić M.: Influence of Solid Particles as a Contaminants on Degradation Processes in Hydraulic Components or Systems, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad, 15-17 Oktobar, 2014
5. Milisavljević S., Mitrović S., Lošonc (Losoncz) A.: Social responsibility as the modern principles of thinking managers , 7. 7th International Scientific Conference "Science and Higher Education in Function of Sustainable Development - SED 2014, Užice: High Business Technical School, 3-4 Oktobar, 2014, pp. 1-5, ISBN 978-86-83573-43-1
6. Mitrović S., Milisavljević S.: Designing organizational structure in crm function, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: Faculty of technical sciences, 15-17 Oktobar, 2014, pp. 330-333, ISBN 978-86-7892-652-5
7. Radlovački V., Delić M., Kamberović B., Sladić B., Beker I.: DIMENSIONS OF MANAGEMENT PURCHASE AND PURCHASE PERFORMANCE IN SERBIA, 9. International Convention on Quality, Beograd: UASQ – United Association of Serbia for Quality, 2-5 Jun, 2014, ISBN 978-86-89157-02-4, UDK: 658.7
8. Radlovački V., Sladić B., Delić M., Vulcanović S., Kamberović B.: The impact of quality management in purchase function on customer satisfaction, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department for Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 199-202, ISBN 978-86-7892-652-5
9. Šević D., Marić A., Brkljač N., Vuković M., Đorđević A.: PROBLEMI SPECIFIČNI ZA PROCES RUKOVANJA, PAKOVANJA I SKLADIŠTENJA I KAKO IH IZBEĆI, 18. European Quality Week in Serbia, Novi Sad: UASQ - United Association of Serbia for Quality, Belgrade, SERBIA., 18-20 Novembar, 2014, ISBN 978-86-89157-01-7, UDK: 658.5

10. Vuković M., Brkljač N.: The impact of integration processes within the supply chains to the establishing and implementation of quality management systems in the automotive industry, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: UNIVERSITY OF NOVI SAD - FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT 21000, Novi Sad, Trg Dositeja Obradovića 6, Serbia, 15-17 Oktobar, 2014, ISBN 978-86-7892-652-5
11. Vuković M., Đorđević A.: EMAS I/ILI ISO 14001, 18. European Quality Week in Serbia, Novi Sad, 18-20 Novembar, 2014
12. Vuković M., Vulanović S., Brkljač N., Delić M., Šević D.: ALATI KVALITETA U AUTOMOBILSKOJ INDUSTRIJI, 9. International Convention on Quality, Beograd: Jedinstveno udruženje Srbije za kvalitet, 2-5 Jun, 2014, ISBN 978-86-89157-02-4, UDK: 330.546:338.45,355.424.5
13. Vulanović S., Beker I., Kesić I., Brkljač N., Vuković M.: MOGUĆNOST PRIMENE SERIJE STANDARDA ONR 49000 U MENADŽMENTU RIZIKOM U ORGANIZACIJAMA, 9. International Convention on Quality, Beograd: Jedinstveno udruženje Srbije za kvalitet, 2-5 Jun, 2014, ISBN 978-86-89157-02-4, UDK: 65.011.3, 006.027
14. Vulanović S., Kamberović B., Beker I., Radlovački V., Delić M.: ESTABLISHMENT OF RISK MANAGEMENT SYSTEM IN SCIENTIFIC AND EDUCATIONAL INSTITUTIONS, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Department of Industrial Engineering and Management, 15-17 Oktobar, 2014, pp. 207-212, ISBN 978-86-7892-652-5

#### Spisak rezultata M43 - Monografska bibliografska publikacija

1. Beker I., Morača S., Tešić Z., Šević D., Rikalović A., Radlovački V.: LEAN SISTEM, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2014, ISBN 978-86-7892-630-3
2. Jocanović M.: AUTOMATIZACIJA PROCESA RADA: Osnove hidrauličnog upravljanja, Novi Sad, Fakultet tehničkih nauka, 2014, str. 1-265, ISBN 978-86-7892-662-4

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

1. Jocanović M., Karanović V., Ivanišević A., Knežević D.: HYDRAULIC HAMMER EXCAVATOR FAILURE DUE TO SOLID PARTICLE CONTAMINATION, Vojnotehnički glasnik, 2014, Vol. 1, pp. 112-129, ISSN 0042-8469, UDK: 623+355/359

#### Spisak rezultata M53 - Rad u naučnom časopisu

1. Gošnik D., Beker I., Kavčič K.: Lean Six Sigma in Slovenian and Serbian manufacturing companies, International Journal of Industrial Engineering and Management - IJIEM, 2014, Vol. 5, No 3, pp. 123-130, ISSN 2217-2661

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

1. Vulanović S., Kamberović B., Beker I., Radlovački V., Delić M.: Design of QMS documentation based on risk assessment - a step towards harmonization with ISO 9001:2015, 18. European Quality Week in Serbia, Novi Sad: UASQ - United Association of Serbia for Quality, 18-20 Novembar, 2014, ISBN 978-86-89157-01-7, UDK: 658.5

#### Spisak rezultata M71 - Odbranjena doktorska disertacija

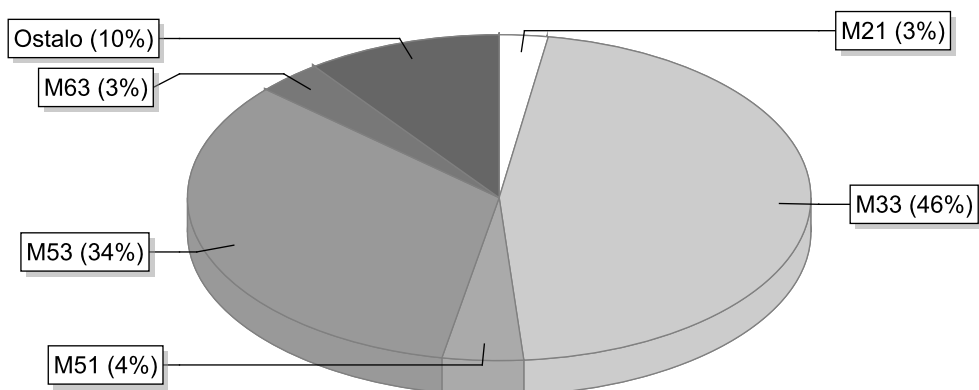
1. Vulanović S.: Razvoj opšteg modela za implementaciju integrisanog sistema menadžmenta na osnovu procene rizika u procesima organizacija, Novi Sad, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
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	55
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	5
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	40
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	2
Autorska izložba sa katalogom uz naučnu recenziju	M93	2

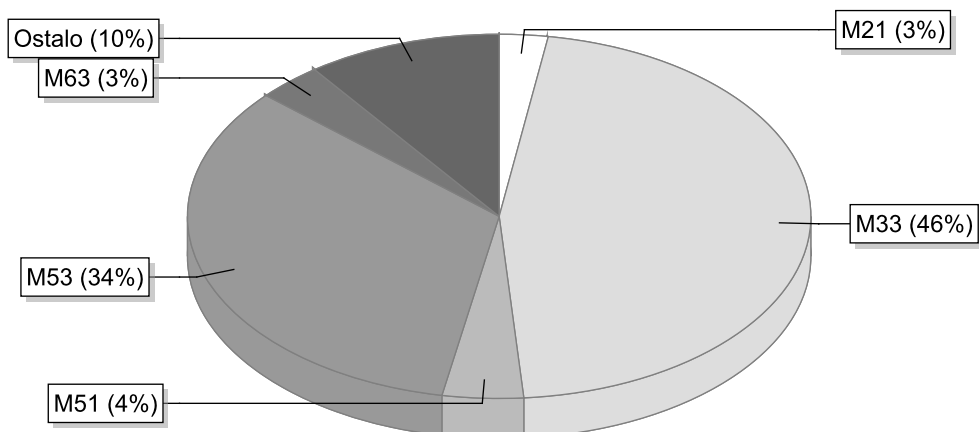


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
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	55
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	5
Rad u časopisu nacionalnog značaja	M52	1
Rad u naučnom časopisu	M53	40
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1
Odbranjena doktorska disertacija	M71	2
Autorska izložba sa katalogom uz naučnu recenziju	M93	2



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

1. Kiurski J., Aksentijević S., Oros I., Kecić V.: Indoor air emissions from photocopying, 7. 7th International Scientific Conference "Science and Higher Education in Function of Sustainable Development - SED 2014, Užice: VPTŠ Užice, 3-4 Oktobar, 2014, pp. 16-22, ISBN 978-86-83573-42-4

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4. Adamović D., Vojinović-Miloradov M., Dorić J., Adamović (Majkić) S., Mihajlović I.: Benzene Emission During NEDC, 20. 20th International Symposium on Analytical and Environmental Problems, Szeged: SZAB Kémiai Szakbizottság Analitikai és Környezetvédelmi Munkabizottsága, 22 Septembar, 2014, pp. 102-105, ISBN 978-963-12-1161-0
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Spisak rezultata M64 - Saopštenje sa skupa nacionalnog značaja štampano u izvodu

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Spisak rezultata M71 - Odbranjena doktorska disertacija

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2. Pál (Apro) M.: Razvoj modela objektivne kontrole površinskih oštećenja premaznih papira u procesu savijanja, Novi Sad, Fakultet tehničkih nauka, Departman za grafičko inženjerstvo i dizajn, 2014

Spisak rezultata M93 - Autorska izložba sa katalogom uz naučnu recenziju

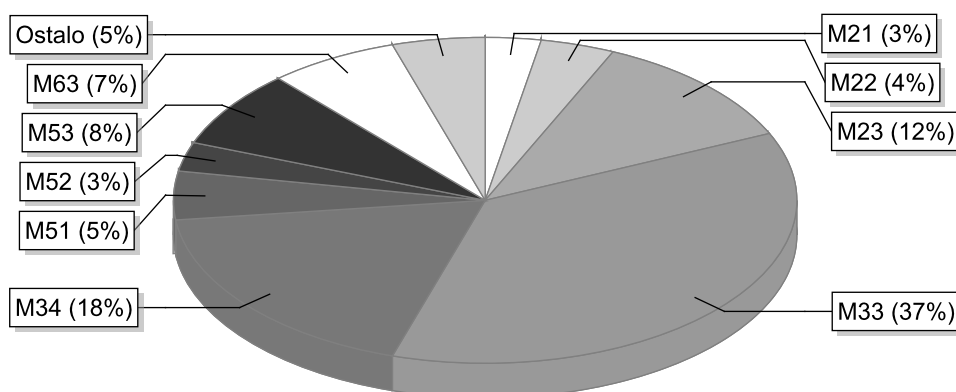
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## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	3
Rad u istaknutom međunarodnom časopisu	M22	4
Rad u međunarodnom časopisu	M23	12
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	38
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	19
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	5
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	8
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2

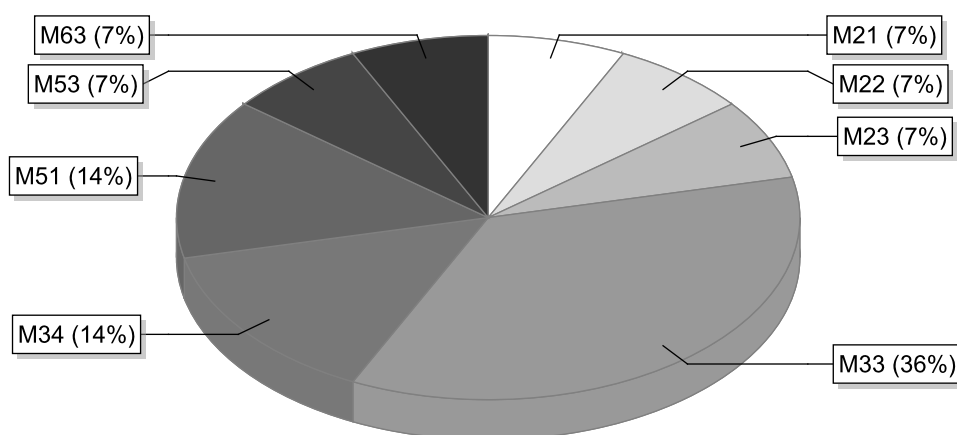


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo biosistema

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	1
Rad u istaknutom međunarodnom časopisu	M22	1
Rad u međunarodnom časopisu	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u vodećem časopisu nacionalnog značaja	M51	2
Rad u naučnom časopisu	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



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

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

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### Spisak rezultata M23 - Rad u međunarodnom časopisu

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2. Vasiljević S., Karagić Đ., Martinov M., Đatkov Đ., Pržulj N., Denčić S., Živanov D., Milošević B.: Potential of biogas production by using winter pea mixtures with triticale and oat, 1. Joint EUCARPIA Cereal Section & ITMI Conference, Wernigerode, 29-4 Jun, 2014

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

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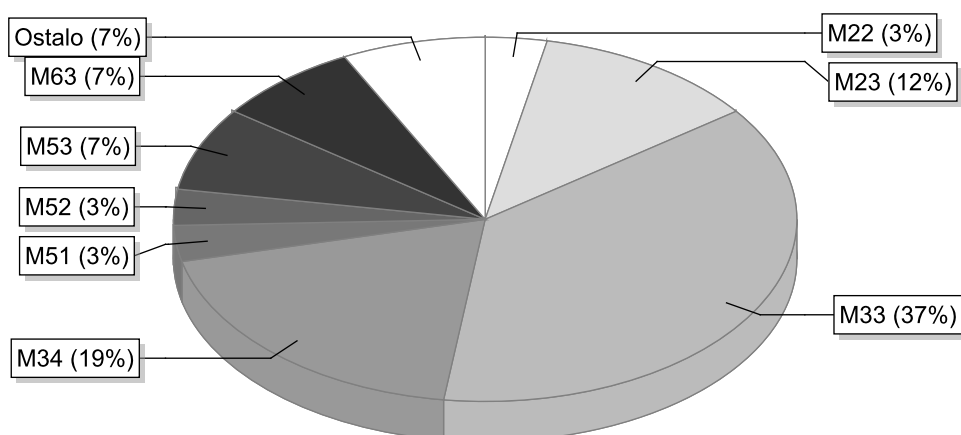


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	2
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	11
Predavanje po pozivu sa međunarodnog skupa štampano u celini	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	35
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	18
Monografija nacionalnog značaja, monografsko izdanje građe,	M42	1
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	3
Rad u naučnom časopisu	M53	7
Predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	2



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7. Teofilović Đ., Nakomčić-Smaragdakis B.: Komparativna analiza primene kogeneracije kod postrojenja na fosilna goriva i biogas, UNS FTN - Zbornik radova Fakulteta Tehničkih Nauka, 2014, Vol. 7, pp. 1510-1513, UDK: 620.91

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2. Prica M., Adamović (Majkić) S., Novaković D., Pavlović Ž., Kašiković N., Dedijer S., Adamović D.: Mogućnost smanjenja otpada u grafičkoj industriji, 10. Otpadne vode, komunalni čvrsti otpad i opasan otpad, Zlatibor, 1-3 April, 2014, pp. 117-121, ISBN 978-86-82931-61-4
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4. Prica M., Adamović (Majkić) S., Turk Sekulić M., Radonić (Jakšić) J., Adamović D., Novaković D., Karlović I.: Praćenje migracije metala iz otpadnog štampanog grafičkog materijala, 10. Otpadne vode, komunalni čvrsti otpad i opasan otpad, Zlatibor, 1-3 April, 2014, pp. 122-126, ISBN 978-86-82931-61-4
5. Savić D., Mihajlović V., Zoraja B., Hadžistević M.: Čistija proizvodnja i bezbednost i zdravlje na radu, 11. Unapređenje sistema zaštite na radu, Prolom Banja, 15-18 Oktobar, 2014, pp. 15-22, ISBN 978-86-7892-637-2
6. Simić J., Mijatov G., Duraković N., Sremački M., Novaković T., Ćosić Đ., Popov S.: Contemporary Tools for Disaster Risk Management, 4. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 26 April, 2014, pp. 356-363, ISBN 978-86-84289-65-2
7. Vojinović-Miloradov M., Spanik I., Mihajlović I., Vyviurska O., Kalinić D., Radonić (Jakšić) J., Turk Sekulić M.: Emergentne supstance i istraživanja 2020., 10. Regionalna konferencija EnE14/ENV.net, Beograd: Ambasadori održivog razvoja i životne sredine, 5 Jun, 2014, pp. 63-65, ISBN 978-86-89961-00-3

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

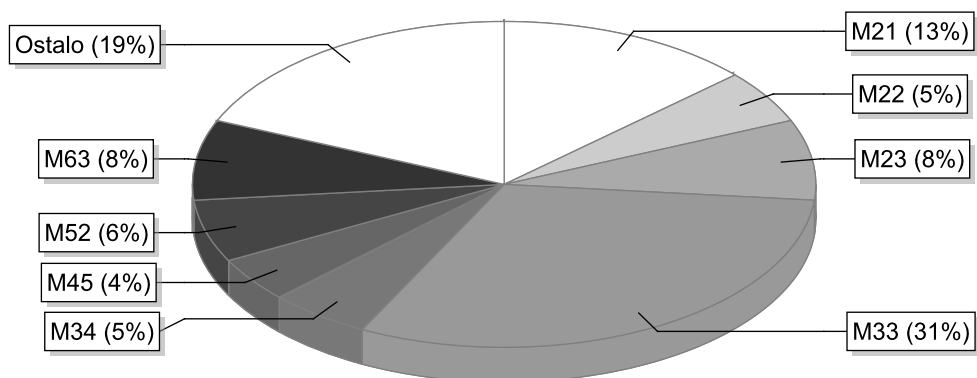
1. Mihajlović I., Kocić-Tanackov S., Grujić Z., Škrinjar M., Vojinović-Miloradov M.: Procena prosečnog dnevnog unosa aflatoksina M1 iz humanog mleka porodilja u AP Vojvodini, 7. InterRegioSci, Novi Sad, 8 Maj, 2014
2. Prica M., Adamović (Majkić) S., Turk Sekulić M., Radonić (Jakšić) J., Novaković D.: Procena uticaja otpadnih štampanih grafičkih materijala na životnu sredinu u AP Vojvodini, 7. InterRegioSci, Novi Sad: Autonomna Pokrajina Vojvodina, Vlada AP Vojvodine, Pokrajinski sekretarijat za nauku i tehnološki razvoj, 8 Maj, 2014, pp. 135-135

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za opšte discipline u tehnici

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	3
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije međunarodnog značaja	M18	2
Rad u vrhunskom međunarodnom časopisu	M21	15
Rad u istaknutom međunarodnom časopisu	M22	6
Rad u međunarodnom časopisu	M23	9
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	35
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
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	5
Rad u vodećem časopisu nacionalnog značaja	M51	4
Rad u časopisu nacionalnog značaja	M52	7
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Odbranjena doktorska disertacija	M71	4
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	3



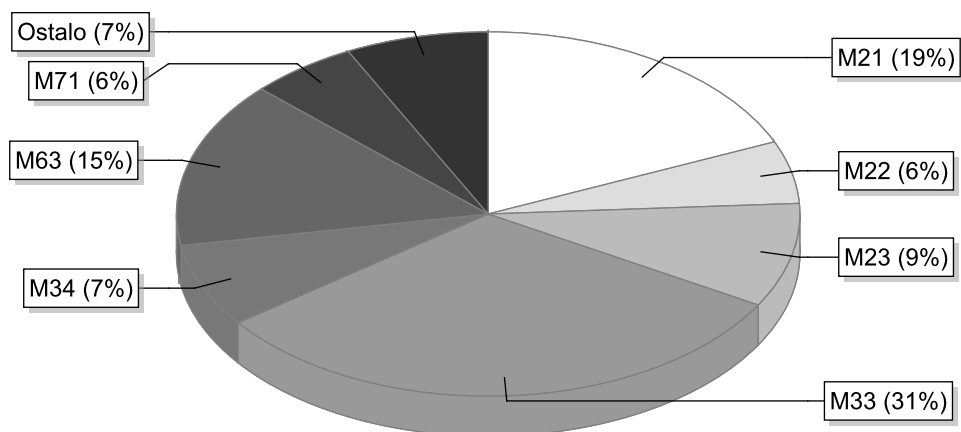


# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za matematiku

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vrhunskom međunarodnom časopisu	M21	10
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	5
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	17
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Poglavlje u knjizi M41 ili rad u istaknutom tematskom zborniku vodećeg nacionalnog značaja	M44	1
Rad u vodećem časopisu nacionalnog značaja	M51	1
Rad u časopisu nacionalnog značaja	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	8
Odbranjena doktorska disertacija	M71	3



## PRODUKCIJA - REZULTATI

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

1. Brkljač B., Janev M., Obradović R., Rapaić D., Ralević N., Crnojević V.: Sparse representation of precision matrices used in GMMs, *Applied Intelligence*, 2014, No 41, pp. 956-973, ISSN 0924-669X
2. Cvetković Lj., Doroslovački K.: Max norm estimation for the inverse of block matrices, *Applied Mathematics and Computation*, 2014, No 242, pp. 694-706, ISSN 0096-3003
3. Čolić J., Hajime M., Pantović J.: One-point Extension of the Algebra of Incompletely Specified Operations, *Journal of Multiple Valued Logic and Soft Computing*, 2014, Vol. 22, No 1-2, pp. 79-94, ISSN 1542-3980
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5. Lindblad J., Sladoje N.: Linear time distances between fuzzy sets with applications to pattern matching and classification, *IEEE Transactions on Image Processing*, 2014, Vol. 23, No 1, pp. 126-136, ISSN 1057-7149
6. Lukić T., Žunić J.: A non-gradient-based energy minimization approach to the image denoising problem, *Inverse Problems*, 2014, Vol. 30, No 095007, ISSN 0266-5611
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8. Stojaković M., Gajić Lj., Carić B.: On Angrisani and Clavelli Synthetic Approaches to Problems of Fixed Points in Convex Metric Space, Article ID 406759, *Abstract and Applied Analysis*, 2014, Vol. 2014, ISSN 1085-3375
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10. Vulcanovic R., Teofanov Lj.: On the Quasilinear Boundary-Layer Problem and Its Numerical Solution, *Journal of computational and applied mathematics*, 2014, Vol. 268, pp. 56-67, ISSN 0377-0427

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

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2. Lukić T., Nagy B.: Deterministic discrete tomography reconstruction by energy minimization method on the triangular grid, *Pattern Recognition Letters*, 2014, Vol. 49, pp. 11-16, ISSN 0167-8655
3. Simić D., Tepić J., Gajić V., Kovačević I., Lalić B.: The application of recycled aluminium and plastics in environmental protection, *Metalurgija*, 2014, Vol. 52, ISSN 0543-5846

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Čurić V., Lindblad J., Sladoje N., Sarve H., Borgfors G.: A new set distance and its application to shape registration, *Pattern Analysis and Applications*, 2014, Vol. 17, No 1, pp. 141-152, ISSN 1433-7541
2. Jakšić S., Padovani L.: Exception Handling for Copyless Messaging, *Science of Computer Programming*, 2014, Vol. 84, pp. 22-51, ISSN 0167-6423
3. Kiurski-Milošević J., Vojinović-Miloradov M., Ralević N.: Fuzzy model for determination and assessment of groundwater quality in the city of Zrenjanin, Serbia, *Hemijska industrija*, 2014, ISSN 0354-7531, UDK: DOI:10.2298/HEMIND131215016K
4. Mihailović A., Vučinić-Vasić M., Ninkov J., Erić S., Ralević N., Nemeš T., Antić A.: Multivariate analysis of metals content in urban snow near traffic lanes in Novi Sad, Serbia, *Journal of the Serbian Chemical Society*, 2014, Vol. 79, No 2, pp. 265-276, ISSN 0352-5139
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### Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

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2. Broda P., Levajković T., Kresoja M., Marčeta M., Mena H., Nikolić M., Stojančević T.: Optimization of ATMs filling-in with cash, 99. European Study Group with Industry, Novi Sad, 3-7 Februar, 2014
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7. Grbić T., Jovanović A., Medić S., Perović A.: A note on feature extraction based on Kanade-Shi-Tomasi procedure and Kalman filters, 16. SPECOM, Speech and Computer, Novi Sad, 5-9 Oktobar, 2014
8. Kalina M., Manzi M., Mihailović B.: Pseudo-supermodularity for the Choquet-like integrals,, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 Septembar, 2014, pp. 155-158
9. Lindblad J., Sladoje N., Malm P., Bengtsson E., Moshavegh R., Mehnert A.: Optimizing optics and imaging for pattern recognition based screening tasks, 22. International Conference on Pattern Recognition, Stockholm: IEEE Comp. Society, 24-28 Avgust, 2014, pp. 3333-3338, ISBN 978-1-4799-5208-3
10. Medić S., Grbić T., Perović A., Duraković N.: Interval-valued Chebyshev, Hölder and Minkowski inequalities based on g-integrals, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 Septembar, 2014
11. Medić S., Grbić T., Štajner-Papuga I., Grujić G.: Central g-moments of the order n for random variables, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 Septembar, 2014
12. Pantović J., Gilezan S., Žunić J.: On the Number of S-Threshold Functions on not Necessarily Binary Input, 44. International Symposium on Multiple-Valued Logic, Bremen: IEEE , 19-21 Maj, 2014, pp. 1-6
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15. Ralević N., Glišović N., Đaković V., Anđelić G., Kiurski J.: The neural networks backpropagation algorithm in investment analysis, 20. 20th International Symposium on Analytical and Environmental Problems, Szeged: SZAB, Szeged, Hungary , 22 Septembar, 2014, pp. 55-58, ISBN 978-963-12-1161-0
16. Ralević N., Glišović N., Đaković V., Anđelić G.: The Performance of the Investment Return Prediction Models: Theory and Evidence, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica: Obuda University, Budapest, Hungary; Subotica Tech, Serbia; University of Novi Sad; Subotica: Visoka tehnička škola strukovnih studija, Serbia, 11-13 Septembar, 2014, pp. 221-225, ISBN 978-1-4799-5996-9
17. Zlokolica V., Velicki L., Janev M., Mitrinović D., Babin D., Ralević N., Čemerlić-Adić N., Obradović R., Galić I.: Epicardial fat registration by local adaptive morphology-thresholding based 2D segmentati, 56. ELMAR - Electronics in Marine, Zadar, 10-12 Septembar, 2014

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Buhmiller S.: Jedan algoritam za formiranje i rešavanje graničnog sistema za singularne probleme, 4.

Mathematical Conference of the Republic of Srpska, Trebinje, 6-7 Jun, 2014

2. Doroslovački K., Cvetković Lj.: Infinity norm estimation of the inverse of block matrices, 1. Conference on mathematics and its applications, Kuwait, 14-17 Novembar, 2014
3. Grbić T., Medić S.: Inequalities for interval-valued  $\mu$ -measures based on  $g$ -integrals, 3. Contemporary Problems of Mathematics, Mechanics and Informatics, Novi Pazar, 15-17 Jun, 2014
4. Medić S., Grbić T.: Chebyshev type inequalities based on  $g$ -integrals, 4. Mathematical Conference of the Republic of Srpska, Trebinje, 6-7 Jun, 2014

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

1. Nikolić A.: Vojislav Marić, Aleksandar Nikolić, Miodrag Tomić (1912-2001), Život i delo srpskih naučnika, Biografije i bibliografije, SANU, Beograd, 2014, str. 231-265

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Kiurski J., Oros I., Kecić V., Kovačević I., Aksentijević S.: The Statistical Significant of Adsorbents for Effective Zn(II) Ions Removal, Proceedings of World Academy of Science, Engineering and Technology, 2014, Vol. 8, No 7, pp. 937-939, ISSN 1307-6884

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Nikolić A.: The work of Judita Cofman on didactics of mathematics, Inovacije u nastavi, (urednik Snežana Lawrence)

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

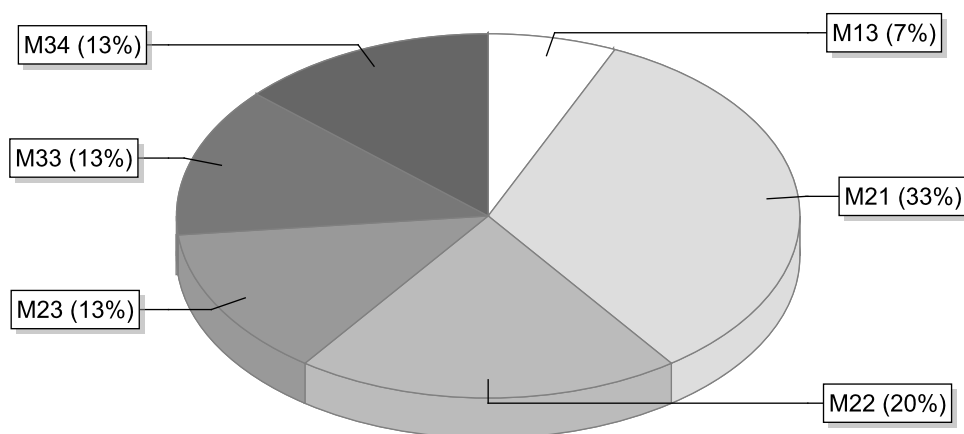
1. Doroslovački R., Kovačević I., Vilotić D., Kolaković S., Šešlija D., Katić V.: Osnovi metodologije realizacije nastave na visoko školskim ustanovama, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 17-21, ISBN 978-86-7892-594-8
2. Katić V., Kolaković S., Šešlija D., Kovačević I., Doroslovački R., Vilotić D.: Motivacioni instrumenti u naučnoj produkciji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 349-353, ISBN 978-86-7892-594-8
3. Kolaković S., Doroslovački R., Kovačević I., Katić V., Vilotić D., Šešlija D., Vidicki P.: Evaluacija ESP bodova na srpskim univerzitetima, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 116-121, ISBN 978-86-7892-594-8
4. Kovačević I., Doroslovački R., Vilotić D., Šešlija D., Katić V., Kolaković S.: Uspešnost bolonjskog procesa u Republici Srbiji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 341-345, ISBN 978-86-7892-594-8
5. Kovačević I., Konjović Z., Bojanić R., Nikolić D., Milašonović Lj., Radumilo B.: Anketni proces u visokoškolskim obrazovnim ustanovama u Republici Srbiji, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 345-349, ISBN 978-86-7892-594-8
6. Medić S., Grbić T., Perović A., Buhmiller S., Gavrilov T.: Uopštena nejednakost Čebiševa za pseudo-integral realno-vrednosne funkcije, 10. DOGS, Digitalna obrada govora i slike, Novi Sad, 5-9 Oktobar, 2014
7. Šešlija D., Kovačević I., Doroslovački R., Katić V., Vilotić D., Kolaković S., Vidicki P.: Razvoj metoda za procenu vrednosti ESPB bodova, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 111-116, ISBN 978-86-7892-594-8
8. Vilotić D., Doroslovački R., Kovačević I., Katić V., Kolaković S., Šešlija D.: Visoko obrazovanje u funkciji potreba tržišta rada, 20. TREND - Trendovi razvoja, Kopaonik: FTN, 24-27 Februar, 2014, pp. 63-68, ISBN 978-86-7892-594-8

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Čomić L.: Operators for Multi-Resolution Morse and Cell Complexes, 2014
2. Doroslovački K.: Generalizovana dijagonalna dominacija za blok matrice i mogućnosti njene primene, 2014
3. Medić S.: Nejednakosti Jensena i Čebiševa za intervalno-vrednosne funkcije, Novi Sad, 2014

Zbirni pregled naučno istraživačkih rezultata u 2014. 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 vrhunskom međunarodnom časopisu	M21	5
Rad u istaknutom međunarodnom časopisu	M22	3
Rad u međunarodnom časopisu	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2



## PRODUKCIJA - REZULTATI

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

1. Todorović (Žikić) N., Nikolov J., Petrović Pantić T., Kovačević J., Stojković (Jakonić) I., Krmar M.: Radon in Water - Hydrogeology and Health Implication, New York, NOVA Science Publishers, 2014, ISBN 978-1-63463-742-8

Spisak rezultata M21 - Rad u vrhunskom međunarodnom časopisu

1. Jakšić Z., Šćepanović J., Lončarević I., Budinski-Petković Lj., Vrhovac S., Belić A.: Structural characterization of submerged granular packings, *Physical Review E*, 2014, No 90
2. Mihailović A., Vučinić-Vasić M., Todorović (Žikić) N., Hansman J., Vasin J., Krmar M.: Potential factors affecting accumulation of unsupported 210Pb in soil. , *Radiation Physics and Chemistry*, 2014, Vol. 99, pp. 74-78, ISSN 0969-806X
3. Stojković (Jakonić) I., Nikolov J., Todorović (Žikić) N., Tenjović B., Tenjović B., Vesković M.: Study on quench effects in liquid scintillation counting during tritium measurements, *Journal of Radioanalytical and Nuclear Chemistry*, 2014, ISSN 0236-5731, UDK: DOI: 10.1007/s10967-014-3191-1
4. Stojković (Jakonić) I., Todorović (Žikić) N., Nikolov J., Krajcar Bronić I., Tenjović B., Vesković M.: Optimization of low-level LS counter Quantulus 1220 for tritium determination in water samples, *Radiation Physics and Chemistry*, 2014, Vol. 98, pp. 69-76, ISSN 0969-806X
5. Vučinić-Vasić M., Bosković M., Antić A., Stojanović G., Radovanović M., Fabian M., Jovalekić Č., Pavlović M., Antić B.: Temperature induced evolution of structure/microstructure parameters and their correlations with electric/magnetic properties of nanocrystalline Nickel ferrite, *Ceramics International*, 2014, Vol. 40, No 3, pp. 4521-4527, ISSN 0272-8842

Spisak rezultata M22 - Rad u istaknutom međunarodnom časopisu

1. Budinski-Petković Lj., Lončarević I., Jakšić Z., Vrhovac S.: Fractal properties of financial markets, *PHYSICA A: STATISTICAL MECHANICS & ITS APPLICATIONS*, 2014, Vol. 410, pp. 43-53, ISSN 0378-4371
2. Todorović (Žikić) N., Stojković (Jakonić) I., Nikolov J., Hansman J., Vesković M.: Establishment of a method for 222Rn determination in water by low-level liquid scintillation counter, *Radiation Protection Dosimetry*, 2014, No doi:10.1093/rpd/ncu240, ISSN 0144-8420
3. Vučinić-Vasić M., Bošković M., Perović M., Spasojević V., Stojanović G., Antić B.: Mossbauer Spectra and Crystallite Size Related Magnetic/Electric Properties of Yb Substituted Zn-Ferrite Nanoparticles, *NANOSCIENCE AND NANOTECHNOLOGY LETTERS*, 2014, Vol. 6, No 4, pp. 314-318, ISSN 1941-4900

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Mihailović A., Vučinić-Vasić M., Ninkov J., Erić S., Ralević N., Nemeš T., Antić A.: Multivariate analysis of metals content in urban snow near traffic lanes in Novi Sad, Serbia, *Journal of the Serbian Chemical Society*, 2014, Vol. 79, No 2, pp. 265-276, ISSN 0352-5139
2. Vučinić-Vasić M.: Multivariate analysis of the contents of metals in urban snow near traffic lanes in Novi Sad, Serbia, *Journal of the Serbian Chemical Society*, 2014, Vol. 79, No 2, pp. 265-267, ISSN 0352-5139

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Kiurski J., Ranogajec J., Vučinić-Vasić M., Kecić V., Oros I.: The efficiency of clayey pellets for Zn(II) ions removal from a waste printing developer, 12. 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, *Physical Chemistry 2014*, Beograd: Society of Physical Chemists of Serbia, 22-26 Septembar, 2014, pp. 889-892, ISBN 978-86-82475-30-9
2. Sekulić D., Satarić M.: An improved electrical model of microtubule as biomolecular nonlinear transmission line , 29. International Conference on Microelectronics – MIEL, Beograd, 12-15 Maj, 2014, pp. 111-114, ISBN 978-1-4799-5295-3

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

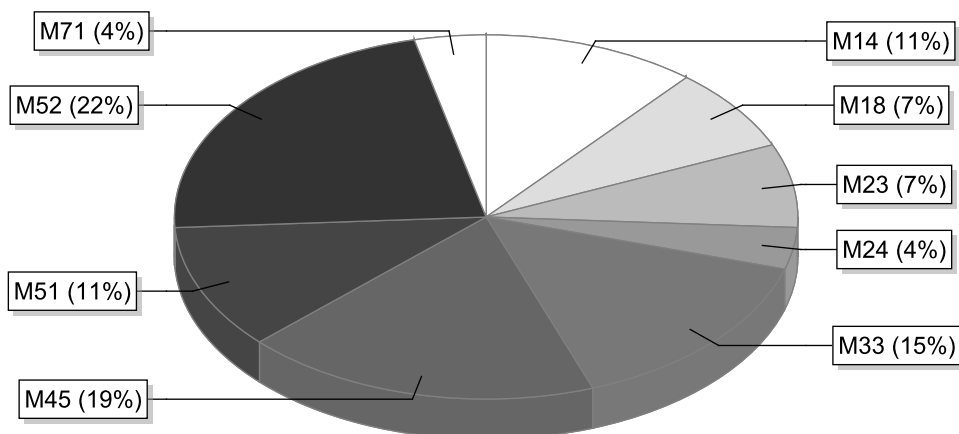
1. Stojković (Jakonić) I., Nikolov J., Todorović (Žikić) N., Tenjović B., Bikit I.: Quench effects in tritium measurements by liquid scintillation counting, 2. International Conference on Radiation and Dosimetry in Various Fields of Research (RAD), Niš, 27-30 Maj, 2014
2. Stojković (Jakonić) I., Todorović (Žikić) N., Nikolov J., Krajcar Bronić I., Tenjović B., Vesković M.: Rapid method for tritium measurements with liquid scintillation counting on Quantulus 1220, 2. International Conference on Radiation and Dosimetry in Various Fields of Research (RAD), Niš, 27-30 Maj, 2014

## GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za društvene nauke

Zbirni pregled naučno istraživačkih rezultata u 2014. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
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	2
Rad u međunarodnom časopisu	M23	2
Rad u časopisu međunarodnog značaja verifikovanog posebnom odlukom	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Poglavlje u knjizi M42 ili rad u tematskom zborniku nacionalnog značaja	M45	5
Rad u vodećem časopisu nacionalnog značaja	M51	3
Rad u časopisu nacionalnog značaja	M52	6
Obranjena doktorska disertacija	M71	1



## PRODUKCIJA - REZULTATI

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

1. Lošonc (Losoncz) A.: Deindustrialisation And The Financial Crisis, in: SOCIO-economic forms of inequality : proceedings / editors Alpar Lošonc, Andrea Ivanišević. - Novi Sad: Faculty of Technical Sciences, 2014 , Novi Sad, Fakultet tehničkih nauka, Novi Sad, 2014, str. 67-83, ISBN ISBN 978-86-7892-664, UDK: 316.342.6(082)
2. Lošonc (Losoncz) A.: Inequality in ecology, SOCIO-economic forms of inequality : proceedings/editors Alpar Lošonc, Andrea Ivanišević. - Novi Sad: Faculty of Technical Sciences, 2014 , Novi Sad, Fakultet tehničkih nauka, Novi Sad, 2014, str. 265-279, ISBN ISBN 978-86-7892-664, UDK: 316.342.6(082)
3. Lošonc (Losoncz) A.: Lom između politike i ekonomije: depolitizacija kao ograničenje u odnosu na konstitucionalizam, in: USTAVI U VREMENU KRIZE, Postjugoslovenska perspektiva, Uredili: Milan Podunavac Biljana Đorđević, Beograd, Fakultet političkih nauka, Beograd, 2014, str. 49-59, ISBN ISBN 978-86-84031-67

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

1. Lošonc (Losoncz) A.: Gordost (ur. A. Lošonc, D. Prole), Novi Sad, Adresa, Novi Sad, 2014, ISBN 978-86-86761-0
2. Lošonc (Losoncz) A.: SOCIO-economic forms of inequality : proceedings / editors Alpar Lošonc, Andrea Ivanišević. - Novi Sad: Faculty of Technical Sciences, UDK 316.342.6(082), ISBN ISBN 978-86-7892-664, Izdavač: Fakultet tehničkih nauka, Novi Sad;, Novi Sad, Fakultet tehničkih nauka, Novi Sad, 2014, ISBN ISBN 978-86-7892-664

Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Josifidis K., Lošonc (Losoncz) A.: Some Thoughts on Power: International Context. Special issue. Guest Editors: Maria Rosa Borges (University of Lisboa - ISEG – Lisboa School of Economics and Management); Joanílio Rodolpho Teixeira (Professor Emeritus, University of Brasília); António Mendonça (University of Lisboa – ISEG – Lisboa School of Economics and Management) doi: 10.2298/PAN1405597J, UDK: 316.462:140.8
2. Lošonc (Losoncz) A.: Austerity: The History of a Dangerous Idea, , Panoeconomicus, 2014, No 3, pp. 389-395, ISSN 1452-595X

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

1. Bogdanović V.: Metoda žanrovske pedagogije: karakteristike i mogućnosti, Nastava i vaspitanje, 2014, Vol. 63, No 4, pp. 747-755, ISSN 0547-3330, UDK: 378.147::811

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Gak D., Bogdanović V.: Selection of Textbooks and Additional Materials for Business English Courses, 296. 7th International Language Conference The Importance of Learning Professional Foreign Languages for Communication between Cultures, Maribor: University of Maribor, Faculty of Economics and Business, 11-12 Septembar, 2014, pp. 60-63, ISBN 978-961-6802-32-1
2. Ivanišević A., Lošonc (Losoncz) A.: Dialectics of industrializations and reindustrialization in light of management stakeholders, 16. International Scientific Conference on INDUSTRIAL SYSTEMS - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 15-17 Oktobar, 2014, pp. 379-389, ISBN 978-86-7892-652-5
3. Milisavljević S., Mitrović S., Lošonc (Losoncz) A.: Social responsibility as the modern principles of thinking managers , 7. 7th International Scientific Conference "Science and Higher Education in Function of Sustainable Development - SED 2014, Užice: High Business Technical School, 3-4 Oktobar, 2014, pp. 1-5, ISBN 978-86-83573-43-1
4. Pleše D., Bogdanović V.: Comparative Collocational Competence as an ESP Skill, 777. 4th International Conference on Foreign Language Teaching and Applied Linguistics (FLTAL), Sarajevo: IBU Publications, 9-10 Maj, 2014, pp. 621-629, ISBN 978-9958-834-21-9

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

1. Josifidis K., Lošonc (Losoncz) A.: Antiliberalne posledice neoliberalizma. Zbornik radova sa naučnog skupa: (Anti)liberalizam i ekonomija. Organizator: Institut društvenih nauka Beograd – Centar za ekonomska istraživanja. Beograd, 2014. , 2014, str. 92-106, ISBN 978-86-7093-152-7
2. Lošonc (Losoncz) A.: 11. A hazugság politikai gazdaságstana, in, A hazugság, 12., ISBN: 9789638881267, ur. Laczkó Sándor, Segedin, 2014, 41-60., Budimpešta, Pr. Ph Szegediensis, 2014, str. 42-60, ISBN ISBN:



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3. Lošonc (Losoncz) A.: Dekonstrukcija totalitarizma, in: Zapisi o totalitarizmu (prir. Marijan Krivak, Željko Senković), Osijek, Fakultet Osijek, 2014, str. 25-49, ISBN 978-953-314-072-8
4. Lošonc (Losoncz) A.: Lehetséges-e ma háború, in: Háborús konfliktusok és erkölcs, (ur. Kariko Sandor), Budimpešta, ISBN 978 963 9210 912, 2014, 25-37., Budimpešta, Aron kiado, MTA, 2014, ISBN ISBN 978 963 9210 91
5. Lošonc (Losoncz) A.: Moć i nemoć intelektualaca, in: Intelektualac danas, Ur. D. Roksandić, I. C. Javorina, Sveučilište u Zagrebu, 2014, 39-51., ISBN 978-953-7782-34-4, 978-953-175-518-4., Zagreb, Sveučilište u Zagrebu, 2014, ISBN ISBN 978-953-7782-34

Spisak rezultata M51 - Rad u vodećem časopisu nacionalnog značaja

1. Bogdanović V.: Genre-Based Metadiscourse Analysis Using Textbooks, Facta universitatis - series: Linguistics and Literature, 2014, Vol. 12, No 2, pp. 115-124, ISSN 0354-4702, UDK: 811.111'276.6:371.671
2. Ivanišević A., Lošonc (Losoncz) A.: WHY WOULD ANYONE IT IS A MYTH, International Journal of Industrial Engineering and Management - IJEM, 2014, pp. 29-38, ISSN 2217-2661
3. Lošonc (Losoncz) A.: Two Conflicting Interpretations, Filozofija i društvo, 2014, Vol. 25, No 2, pp. 56-76, ISSN 0353-5738

Spisak rezultata M52 - Rad u časopisu nacionalnog značaja

1. Lošonc (Losoncz) A.: A név története, "Hid", 2014, No 12, pp. 131-137
2. Lošonc (Losoncz) A.: Blindness and invisibility, Belgrade Journal of Media and Communications, 2014, No 5, pp. 51-69, ISSN 2334-6132
3. Lošonc (Losoncz) A.: PROBLEMATIZACIJA POLITIKE SADAŠNJOSTI: OD LIBERALIZMA DO NEOLIBERALIZMA (KRITIČKA REKONSTRUKCIJA FOUCAULTOVOG OPISA NEOLIBERALIZMA), Holon, 2014, Vol. 2, No 4, pp. 259-286, ISSN 1848-3518
4. Lošonc (Losoncz) A.: SEĆANJE, IMPERIJALIZAM, BALKAN, Balkanske sinteze, 2014, Vol. 1, No 1, pp. 79-95, ISSN 2406-1190
5. Lošonc (Losoncz) A.: Spirituality, Crisis, and Illusions, Belvedere, 2014, No 4, pp. 24-37, ISSN 1419-0222
6. Lošonc (Losoncz) A.: Törpék és óriások, Iskolakultúra (Pečuj, HU), 2014, No 3, pp. 64-69

Spisak rezultata M71 - Odbranjena doktorska disertacija

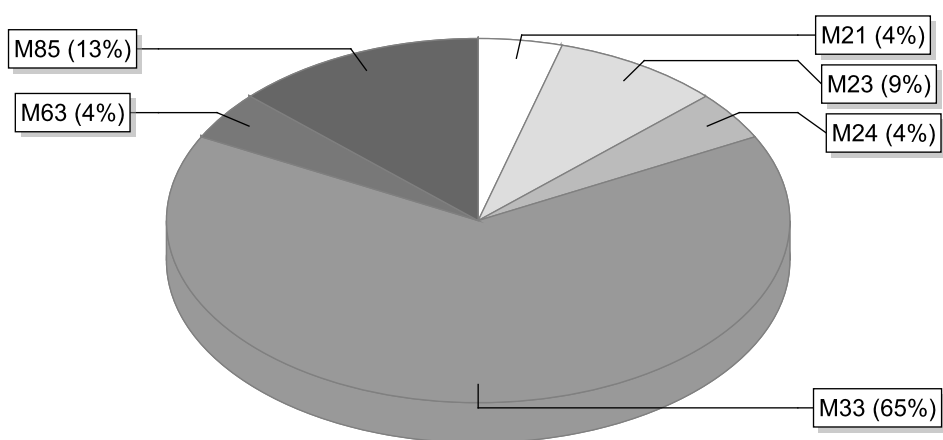
1. Bogdanović V.: Analiza udžbenika engleskog jezika tehničkih struka: književni, opšti i stručni tekstovi, Novi Sad, Filozofski fakultet, 2014

# GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za animaciju u inženjerstvu

Zbirni pregled naučno istraživačkih rezultata u 2014. 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	15
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	3



## PRODUKCIJA - REZULTATI

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

1. Lindblad J., Sladoje N.: Linear time distances between fuzzy sets with applications to pattern matching and classification, IEEE Transactions on Image Processing, 2014, Vol. 23, No 1, pp. 126-136, ISSN 1057-7149

### Spisak rezultata M23 - Rad u međunarodnom časopisu

1. Ćurić V., Lindblad J., Sladoje N., Sarve H., Borgfors G.: A new set distance and its application to shape registration, Pattern Analysis and Applications, 2014, Vol. 17, No 1, pp. 141-152, ISSN 1433-7541
2. Obradović R., Beljin B., Popkonstantinović B.: Approximation of Transitional Developable Surfaces between Plane Curve and Polygon, Acta Polytechnica Hungarica, Journal of Applied Sciences, 2014, Vol. 11, No 9, pp. 217-238, ISSN 1785-8860

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

1. Petrović M., Banjac B., Malešević B.: The Geometry of Trifocal Curves with Applications in Architecture, Urban and Spatial Planning, Spatium, 2014, Vol. 32, pp. 28-33, ISSN 1450-569X

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

1. Bajić B., Lindblad J., Sladoje N.: An Evaluation of Potential Functions for Regularized Image Deblurring, 11. International Conference on Image Analysis and Recognition, Algarve: LNCS Series, Springer Verlag, 22-24 Oktobar, 2014
2. Banjac B., Nenezić M., Petrović M., Malešević B., Obradović R.: TRIFOCAL CURVES IN MATLAB AND JAVA, 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 345-353, ISBN 978-86-88601-13-9
3. Banjac B., Petrović M., Malešević B.: Visualization of Weber's curves and surfaces with applications in some optimization problems, 22. Telekomunikacioni forum TELFOR, Beograd, 25-27 Novembar, 2014, pp. 1003-1006
4. Banjac B., Zlatković B., Zlokolica V., Velicki L., Čemerlić-Adić N., Obradović R., Galić I.: 3D GROUND TRUTH HEART MODELING AND VISUALIZATION BASED ON MANUALLY SEGMENTED 4D CT SLICES, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 199-206, ISBN 978-86-88601-13
5. Janev J., Perišić A., Lazić M.: Optimisation of real life models using basic geometrical shapes in freehand drawing course in engineering animation, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš, 20-22 Jun, 2014, pp. 358-367, ISBN 978-86-88601-13-9
6. Lindblad J., Sladoje N., Malm P., Bengtsson E., Moshavegh R., Mehnert A.: Optimizing optics and imaging for pattern recognition based screening tasks, 22. International Conference on Pattern Recognition, Stockholm: IEEE Comp. Society, 24-28 Avgust, 2014, pp. 3333-3338, ISBN 978-1-4799-5208-3
7. Malešević B., Petrović M., Banjac B., Jovović I., Jovanović P.: A METHOD FOR EXTRACTION OF ARCS OF THE ALGEBRAIC CURVES, 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 65-76, ISBN 978-86-88601-14-6
8. Obradović R., Letić J., Vujanović M., Banjac B., Kekeljević I., Dimitrijević M., Malešević B.: DOMINANT PRE-EXAM OBLIGATIONS AS A BASIS FOR SUCCESSFUL STUDENTS WORK, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš, Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 337-347, ISBN 978-86-88601-14-6
9. Perišić A., Lazić M., Šiđanin P.: Representation of morphological characteristic of space in architecture and urbanism by fly-through animation and simulation, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš, 20-22 Jun, 2014, pp. 32-41, ISBN 978-86-88601-13-9
10. Perišić A., Perišić B., Lazić M.: The Foundation of Domain Specific Language for Architectural and Urban Design, 13. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina, 19-21 Mart, 2014
11. Perišić B., Perišić A., Lazić M.: The Broker Solution Example of Domain Specific Languages Orchestration Framework, 23. Electrotechnical and Computer Science Conference, Portorož, 22-24 Septembar, 2014, pp. 3-6
12. Perišić I., Kekeljević I., Venus D.: Model Driven Dynamic Resources Finder (MDD\_RF) The University of Novi Sad Campus Case Study, Infoteh, Jahorina, 2014, Vol. 300, No 13, pp. 1257-1261, 13. Međunarodni naučno-stručni simpozijum Infoteh-Jahorina, Jahorina: Elektrotehnički fakultet Vuka Karadžića 30, 71123 Istočno Sarajevo, 19-21 Mart, 2014, pp. 1257-1261, ISBN ISBN 978-99955-763-3
13. Petrović M., Malešević B., Banjac B., Obradović R.: GEOMETRY OF SOME TAXICAB CURVES, 4. moNGeometrija, Vlasina, 20-22 Jun, 2014, pp. 53-64, ISBN 978-86-88601-14-6

14. Popkonstantinović B., Obradović R., Jeli Z., Mišić S.: SYNTHESIS, SOLID MODELING AND WORKING SIMULATION OF MOON PHASE CLOCK MECHANISM, 4. moNGeometrija, Vlasina: Faculty of Civil engineering and Architecture in Niš, Serbian Society for Geometry and Graphics SUGIG, 20-22 Jun, 2014, pp. 141-156, ISBN 978-86-88601-13-9
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