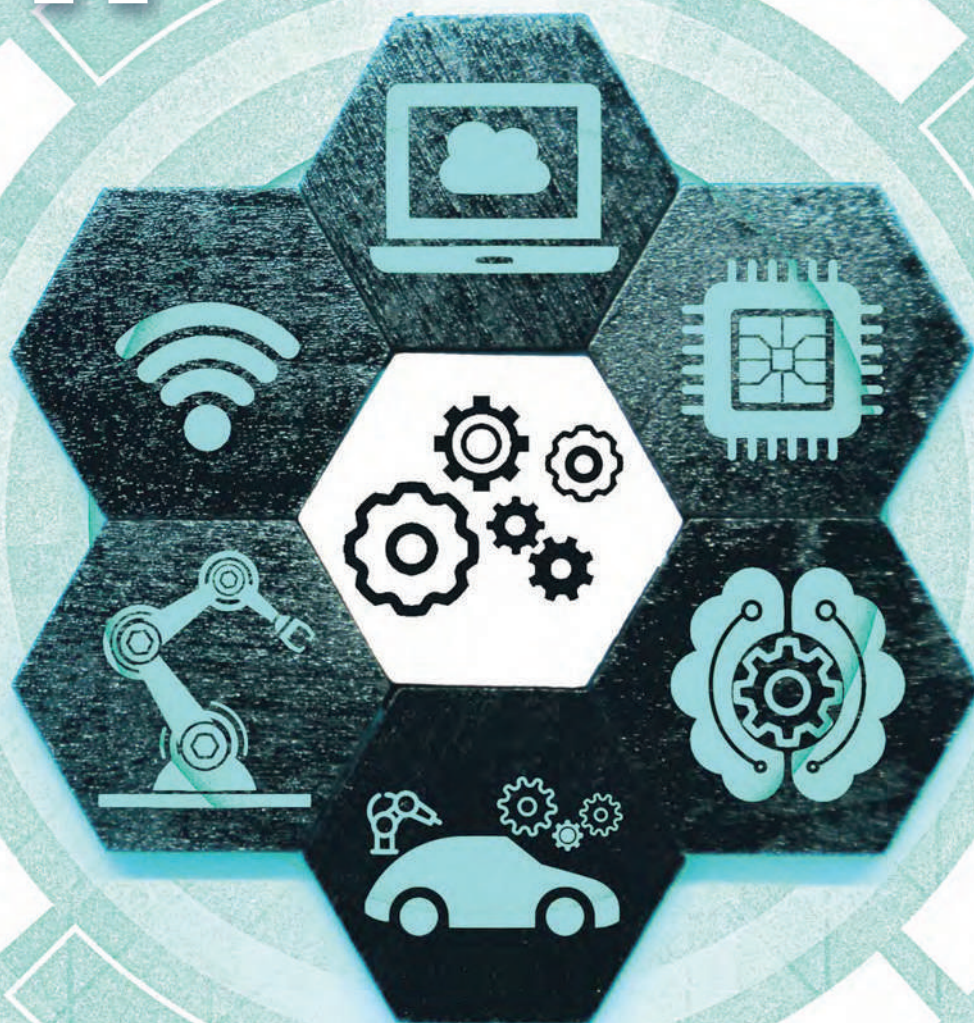




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УНИВЕРЗИТЕТ У НОВОМ САДУ
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА

ФТН



ГОДИШЊИ ИЗВЕШТАЈ

о научноистраживачкој делатности
-објављени научни резултати-

2024

*ГОДИШЊИ ИЗВЕШТАЈ
О НАУЧНОИСТРАЖИВАЧКОЈ
ДЕЛАТНОСТИ
2024*

УНИВЕРЗИТЕТ У НОВОМ САДУ
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА



Нови Сад
2025.

*Годишњи извештај о научноистраживачкој делатности 2024
је резултат рада на пројекту:*

***„Унапређење свих процеса рада на високошколској
институцији употребом иновативних метода“***

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Тираж: 50

Годишњи извештај о научноистраживачкој делатности Факултета техничких наука у Новом Саду за 2024. годину сачињен је на српском језику и ћириличким писмом који су у службеној употреби у Републици Србији. Делови Извештаја садржани у поглављима 2, 3 и 4 (имена и презимена аутора и називи објављених радова, научна продукција по департманима Факултета као и репрезентативне референце истраживача) написани су на енглеском језику, користе енглеску абецеду (*The English Alphabet*) и латинично писмо јер су преузети из програмске апликације Картон научног радника.

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Захваљујемо се:

*ауторима радова, учесницима на пројектима као и
учесницима на пројекту „Унапређење свих процеса рада на
високошколској институцији употребом иновативних метода“*

ПРЕДГОВОР

Годишњи извештај о научноистраживачкој делатности Факултета техничких наука представља приказ резултата научне продукције истраживача током 2024. године. Деветнаестим узастопним издањем наставља се континуитет праћења, анализе и документовања научног рада запослених, са циљем да се на свеобухватан и веродостојан начин прикаже допринос Факултета развоју науке, технике, технологије и иновација.

Подаци обухваћени овим извештајем прикупљени су помоћу програмске апликације „Картон научног радника“, развијене и унапређиване на Факултету техничких наука у сарадњи са Покрајинским секретаријатом за високо образовање и научноистраживачку делатност. Овај систем представља поуздану и трајну основу за праћење научноистраживачких резултата, чиме се обезбеђује релевантна база података о научном утицају и академској продуктивности Факултета.

Поред свеобухватног приказа резултата остварених у 2024. години, извештај садржи и листу репрезентативних радова истраживача који су објављени у научним часописима са импакт фактором у периоду од 2015. до краја 2024. године. Ови подаци представљају значајан показатељ квалитета и видљивости научноистраживачког рада на међународном нивоу, као и континуираног стремљења ка научној изврсности.

Годишњи извештај о научноистраживачкој делатности за 2024. годину сведочи о посвећености наставно-научног кадра Факултета техничких наука, развоју интердисциплинарних истраживања и јачању сарадње са привредом и институцијама, са крајњим циљем унапређења знања и технолошког напретка друштва у целини.

1.0 УВОД

Наука, иновације и технолошки напредак представљају кључне покретаче савременог друштвеног и економског развоја. Њихов допринос огледа се у унапређењу квалитета живота и стварању нових вредности, док друштва која успешно интегришу научна достигнућа и иновације остварују одржив и стабилан напредак.

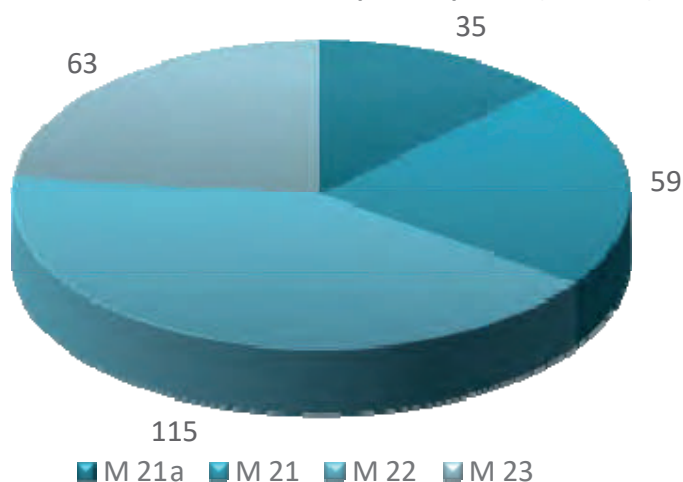
У том смислу, Факултет техничких наука доследно и у континуитету развија и унапређује своје истраживачке капацитете, са циљем да обезбеди високе стандарде научне изврсности и подстакне примену научних резултата у привреди и друштву. Током 2024. године Факултет је остварио запажене резултате у области научноистраживачког рада, међународне сарадње и иновација, чиме је додатно учврстио своју позицију међу водећим научноистраживачким институцијама у земљи.

Истраживачка делатност Факултета заснива се на блиској повезаности образовног процеса, научних истраживања и примене знања у пракси. Савремено опремљене лабораторије и истраживачка инфраструктура омогућавају спровођење пројеката високог квалитета и доприносе развоју нових технологија и иновативних решења.

У циљу даљег подстицања научне продуктивности, Факултет примењује низ мера усмерених ка подршци истраживачима. Међу њима се посебно издвајају:

- Награда за остварене резултате у научноистраживачком раду, која се традиционално додељује поводом Дана Факултета запосленима са најистакнутијом научном продукцијом;
- Подршка у припреми и реализацији међународних научних пројеката, коју пружа Канцеларија за међународну сарадњу, с циљем јачања међународне препознатљивости и умрежавања Факултета.

Преглед годишњег броја радова објављених у часописима са импакт фактором (ISI list)



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

На слици 1. приказан је преглед броја објављених радова у часописима са импакт фактором у 2024. години (*ISI list*). Преглед је направљен на основу података које су истраживачи сами унели у свој „Картон научног радника“ до краја 2024. године. Како би се осигурала тачност и ажурност података уведена верификација којом су елиминисани погрешно или непотпуно унети подаци.

Укупан број радова објављених у међународним научним часописима са SCI листе током 2024. године износио је 272 (слика 2.). Највећи број радова истраживачи са ФТН-а објавили су у истакнутим међународним часописима категорије М22 (115, 42,3%).

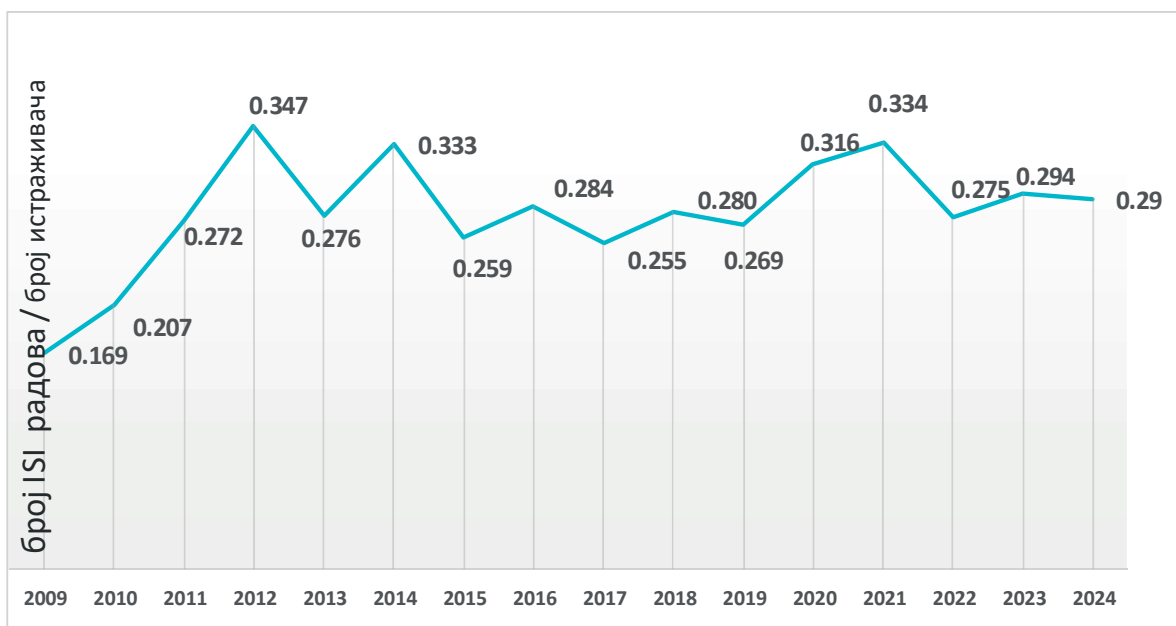
Укупан број бодова који, према важећој класификацији научних радова за техничко-технолошке и биотехничке области, носе радови објављени током 2024. године је 1586. На основу анализе представљених резултата може се закључити да постоји потреба за даљим интензивирањем активности усмерених ка повећању броја радова објављених у међународним научним часописима.



Слика 2. Преглед броја радова објављених у часописима са импакт фактором (*ISI list*) од 2006 до 2024. године

Посматрајући однос укупног броја објављених радова и броја истраживача ангажованих на Факултету техничких наука током 2024. године, добија се вредност од 0,29 (слика 3).

Додатно, анализиран је и однос између броја радова објављених у часописима са СЦИ листе и броја истраживача са научним звањем доктора наука запослених на Факултету, с обзиром на то да се овај показатељ користи као један од критеријума за представљање Универзитета на националном и међународном нивоу. За 2024. годину вредност овог односа износи 0,502.



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

Факултет техничких наука је издавач четири научна часописа: *Advanced Technologies and Materials* (AT&M), *International Journal of Industrial Engineering and Management* (IJIEM), *Journal of Graphic Engineering and Design* и *Journal of Production Engineering*.

У табели 1 је приказани су основни подаци о часописима као и број објављених радова за период 2020 - 2024. година.

Часопис	Број научних радова				
	2020	2021	2022	2023	2024
<i>Advanced Technologies and Materials (AT&M)</i> , ISSN 2620-0325 Област: Materials and Chemical technologies; Mechanical engineering Излази : два пута годишње Категорија (2024): M51 - врхунски часопис од националног значаја	10	13	12	11	10
<i>International Journal of Industrial Engineering and Management</i> , ISSN 2217-2661 Област: Engineering, Industrial; Management Science; Operations Research Излази : четири пута годишње IF2 (2024): 3.2 Категорија (2024): M22 – истакнути међународни часопис Индексиран у Scopus индексној бази – цитатни учинак (2024): 6.0	24	24	24	24	24
<i>Journal of Graphic Engineering and Design</i> , ISSN 2217-379X Област: Graphic Engineering and Design Излази : четири пута годишње Категорија (2024): M51 - врхунски часопис од националног значаја Индексиран у Scopus индексној бази – цитатни учинак (2024): 1.8	14	16	16	16	17
<i>Journal of Production Engineering</i> , ISSN 1821-4932 Област Engineering, Mechanical Излази: два пута годишње Категорија (2024): M52 – истакнути национални часопис	20	20	18	10	10

Табела 1 – Број објављених радова у научним часописима чији је издавач Факултет техничких наука

Факултет техничких наука доследно спроводи активности усмерене ка континуираном унапређењу и подстицању научноистраживачке делатности. Један од кључних праваца развоја односи се на интернационализацију истраживања и повећање видљивости научних резултата, што се остварује кроз активно учешће запослених у великом броју међународних конкурса и пројеката. Посебна пажња посвећује се подстицању активног учешћа младих истраживача у научном раду, кроз различите облике институционалне подршке:

- Сваке године се у реализацију текућих пројеката које финансира Министарство науке, технолошког развоја и иновација укључује одређени број дипломаца, мастер и докторских студената. Поред стипендија које обезбеђује Министарство, Факултет младим истраживачима омогућава одговарајуће просторне и техничке услове за рад, укључујући приступ лабораторијама, рачунарима и неопходној истраживачкој инфраструктури.
- Традиционално се додељује Награда за остварен резултат у научноистраживачком раду, намењена истраживачима млађим од 40 година који су остварили изузетне резултате у научноистраживачком раду.

Додатно, од 2014. године уведена је мера којом се подстиче континуирано научно ангажовање истраживача – приликом обрачуна подстицајног додатка на зараду узимају се у обзир искључиво радови објављени у петогодишњем периоду. На тај начин подстиче се стална научна активност и одржавање континуитета у објављивању резултата истраживања.

У 2024. години остварен је значајан корак у унапређењу научноистраживачког рада успешно спроведеним поступком акредитације установе за обављање НИ рада, тзв. „Акредитација науке“. Наиме, Одлуком Одбора за акредитацију научноистраживачких организација Министарства науке, технолошког развоја и иновација Факултет техничких наука је, као државни факултет, акредитован за обављање научноистраживачке делатности у научним областима техничко-технолошких, друштвених, природно-математичких и хуманистичких наука у наредних 5 година. Овим поступком формализовано је испуњење услова за обављање НИ делатности од општег интереса који, између осталог, подразумевају: учешће у националним и међународним научним пројектима и пројектима сарадње са привредним субјектима, поседовање одговарајућег простора, адекватне опреме, библиотечких ресурса, адекватну структуру истраживача по наставним и научним звањима, реализацију програма НИ рада као и програма развоја научноистраживачког подмлатка, итд. Стицањем Одлуке о акредитацији Факултет је доказао да успешно обавља трансфер знања и технологија а оствареним резултатима доприноси развоју науке, односно општем фонду знања.

Још један значајан резултат у области научноистраживачке делатности остварен је у јуну 2024. године када је један од четири међународна научна часописа које издаје Факултет - *International Journal of Industrial Engineering and Management (IJEM)* уврштен на престижну СЦИ листу а Министарство науке, технолошког развоја и иновација доделило му је категорију M22 као првом часопису из Србије из научне области индустријског инжењерства

Структура овог извештаја организована је тако да обезбеди јасан и свеобухватан приказ научне продукције Факултета:

- Поглавље 2 доноси преглед радова објављених у часописима међународног значаја категорија M21a, M21, M22 и M23 (часописи са импакт фактором *ISI list*), збирно, за цео Факултет;

- Поглавље 3 приказује укупну научну продукцију по департаментама и катедрама Факултета;
- Поглавље 4 садржи репрезентативне референце истраживача, распоређене по департаментама на којима су запослени, за период 2015–2024. године.

Потребно је напоменути да је Министарство науке, технолошког развоја и иновација РС 4. октобра 2024. године донело нови Правилник о категоризацији и рангирању научних часописа који је објављен у „Службеном гласнику“ бр. 80 /2024. Правилник је ступио на снагу 12. октобра 2024. године али је, на молбу научне заједнице, примена овог правилника одложена до 1. јуна 2025. године. Овим Правилником извршено је усаглашавање са променама насталим у међународним цитатним извештајима *Journal Citation Report Clarivate Analytics*, уређени су поступци и услови од значаја за уређивање научних часописа. Као најзначајнија промена издваја се то што ће се у поступку категоризације међународних часописа категорија утврђивати на основу остварене цитираности у свим едицијама *Web of Science Core Collection (SCIE, SSCI, SHCI, ESCI)*. У сврху подстицања врхунских резултата уведене су и нове категорије, али и утврђене нове вредности и параметри који ће се примењивати у поступку рангирања и категоризације научних часописа, од којих ће значајне бенфите имати и истраживачи и издавачи.

**2.0 РАДОВИ ОБЈАВЉЕНИ У
ЧАСОПИСИМА МЕЂУНАРОДНОГ ЗНАЧАЈА
ранга M21a, M21, M22, M23, тј. часописима
са ISI листе (са импакт фактором)
у току 2024. године**

Редни број	Библиографска одредница научног рада	Категорија (M)
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9.	Dragić Đ., Mihailović B., Nedović Lj.: The general algebraic solution of dual fuzzy linear systems and fuzzy Stein matrix equations, art no 108997, Fuzzy Sets and Systems, 2024, Vol. 487, ISSN 0165-0114	M21a
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253.	Radišić L., Duđak Lj., Doder D., Doder R.: Success of sports organizations and correlation of their organizational effectiveness and management leadership style, Revista Brasileira de Medicina do Esporte, 2024, Vol. 30, ISSN 1517-8692	M23
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259.	Skakun (Francuski) P., Rajnović D., Janjatović P., Movrin D., Dramićanin M., Berus L., Ficko M.: Experimental determination of a strain state in a bulk forming of a low carbon steel, Materials Science-Medziagotyra, 2024, Vol. 30, No. 1, pp. 40-46, ISSN 1392-1320	M23
260.	Sokolović D., Sečarov Sokolović R.: Development of an eco- friendly mobile plant for car wash wastewater recovery, Hemijska industrija, 2024, Vol. 78, No. 3, pp. 291-302, ISSN 0367-598X, UDK: 628.19:622.675.6: 681.7.052	M23
261.	Sremački M., Novaković M., Živančev (Šenk) N., Mihajlović I., Petrović (Đogo) M.: Liquid-liquid extraction method for the gas chromatography – mass spectrometry analysis of volatile fatty acids in wastewater, International Journal of Environmental Analytical Chemistry, 2024, ISSN 0306-7319	M23
262.	Stamenković A., Milosavljević N., Ralević N.: APPLICATION OF FUZZY METRICS IN CLUSTERING PROBLEMS OF AGRICULTURAL CROP VARIETIES, Ekonomika poljoprivrede, 2024, Vol. 71, No. 1, pp. 121-134, ISSN 0352-3462, UDK: 519:633.1	M23
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267.	Timotijević M., Erić Cekić O., Janjatović P., Dojčinović M., Rajnović D.: Cavitation Damage Morphology of the Centrifugally Cast Heat-resistant Alloy – HP40 Nb, Materials Science-Medziagotyra, 2024, Vol. 30, No. 4, pp. 568-575, ISSN 1392-1320	M23
268.	Tošić N., Muhadinović M., Šunjević M., Čosić I., Stanisavljević N.: Cadmium and lead flow analysis as a decisions support data for waste management, Journal of the Serbian Chemical Society, 2024, Vol. 89, No. 5, pp. 715-727, ISSN 0352-5139	M23
269.	Vekić M., Rapačić M., Todorović I., Grabić S.: Decentralized Goal-Function-Based Microgrid Primary Control with Voltage Harmonics Compensation, Energies, 2024, Vol. 17, No. 19, ISSN 1996-1073	M23
270.	Vigi R., Štrbac G., Štrbac D., Bošak O., Kubliha M.: Kinetics of thermally induced processes in Ag doped As ₄₀ Se ₃₀ Te ₃₀ chalcogenide glass, Chalcogenide Letters, 2024, Vol. 21, No. 1, pp. 21-37, ISSN 1584-8663	M23
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272.	Živković V., Grković V., Kljajić M.: The instigating factors behind the occurrence of vibration in steam turbines: A review analysis, Thermal Science, 2024, Vol. 28, No. 6, pp. 4451-4471, ISSN 0354-9836	M23

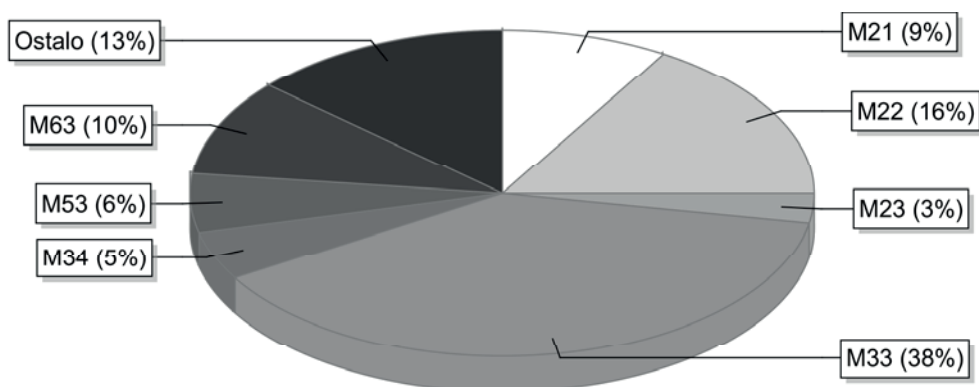
3.0. *НАУЧНА ПРОДУКЦИЈА*

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za proizvodno mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	2
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	9
Rad u međunarodnom časopisu kategorije M22	M22	17
Rad u međunarodnom časopisu kategorije M23	M23	3
Rad u vodećem nacionalnom časopisu kategorije M24	M24	1
Uređivanje međunarodnog naučnog časopisa	M28	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u izvodu (neophodno pozivno pismo i program)	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	40
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	5
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Rad u nacionalnom časopisu kategorije M53	M53	6
Uređivanje vodećeg naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M54	1
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	10
Novo tehničko rešenje primenjeno na nacionalnom nivou	M82	2

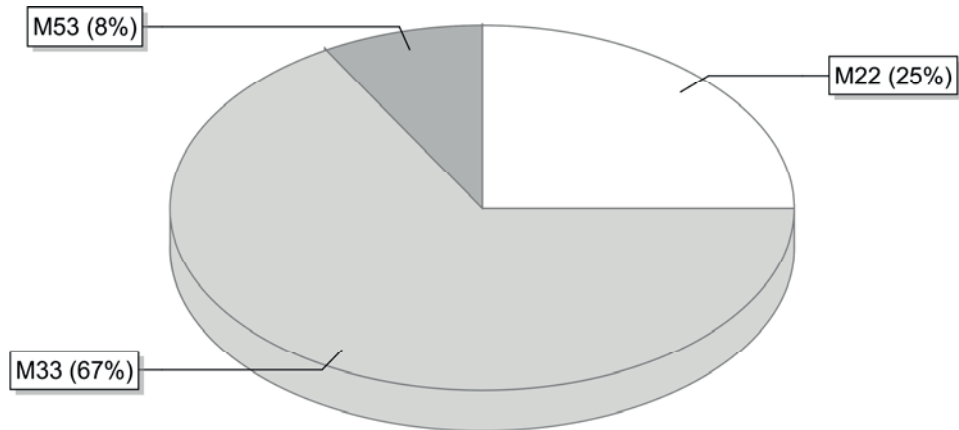


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procese obrade skidanjem materijala

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu kategorije M22	M22	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u nacionalnom časopisu kategorije M53	M53	1



PRODUKCIJA - REZULTATI

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Razumić A., Runje B., Lisjak D., Kolar D., Horvatić Novak A., Štrbac B., Savković B.: Atomic force microscopy: Step height measurement uncertainty evaluation, *Tehnički Glasnik - Technical Journal*, 2024, Vol. 18, No. 2, pp. 209-214, ISSN 1848-5588
2. Savković B., Rodić D., Sekulić M., Kovač P., Štrbac B., Klančnik S.: Implementation of a Virtual Instrument in the System for Measuring Forces and Temperatures in the Milling Process, *Processes*, 2024, Vol. 12, pp. 1-22, ISSN 2227-9717
3. Štrbac B., Ranisavljev M., Orošnjak M., Havrišan S., Dudić B., Savković B.: Unsupervised machine learning application in the selection of measurement strategy on Coordinate Measuring Machine, *Advances in Production Engineering and Management*, 2024, Vol. 19, No. 2, pp. 209-222, ISSN 1854-6250

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Aleksić A., Rodić D., Gostimirović M., Sekulić M., Savković B., Kosanović A.: PRELIMINARY INVESTIGATION OF THE IMPACT OF MQL ON SURFACE ROUGHNESS DURING THE TURNING ALUMINUM ALLOY 6082, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 21-24, ISBN 978-86-6022-681-7
2. Maksimović N., Hauck A., Janjatović P., Pećanac M., Savković B., Rajnović D., Savić V., Baloš S.: INFLUENCE OF BASE METAL ROUGHNESS ON ADHESION-JOINED ALUMINIUM ALLOY AND STEEL, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 197-200, ISBN 978-86-6022-681-7
3. Marinković D., Živković A., Mladenović C., Knežev M., Mejić L., Savković B.: Analysis of the influence of the cutting regimes on the quality of the machining surface in turning process, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of technical sciences, Department of production engineering, 24-26 September, 2024, pp. 35-38, ISBN 978-86-6022-681-7
4. Rodić D., Gostimirović M., Sekulić M., Savković B., Aleksić A., Kosanović A.: CIRCULARITY ANALYSIS OF LASER-DRILLED HOLES USING THE TAGUCHI METHOD, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 1-4, ISBN 978-86-6022-681-7
5. Rodić D., Gostimirović M., Sekulić M., Savković B., Aleksić A., Kovač P.: Effect of dielectric fluid with graphite powder on the electrical discharge machining of non-conductive ceramic, *12. International Scientific Conference "Development in Machining Technology" - DiM*, Cracow: Cracow University of Technology, 25-26 April, 2024, pp. 1-10, ISBN 978-80-553-4421-8
6. Rodić D., Gostimirović M., Sekulić M., Savković B., Aleksić A., Kukolj D.: Tool wear rate during electrical discharge machining of zirconium oxide, *6. International Conference Mechanical Engineering in XXI Century - MASING*, Niš: Faculty of Mechanical Engineering, University of Niš, 14-15 December, 2023, pp. 1-4
7. Savković B., Rodić D., Sekulić M., Kovač P., Aleksić A., Kosanović A.: DEVELOPMENT OF A MEASUREMENT-ACQUISITION SYSTEM FOR MEASURING CUTTING FORCES AND TEMPERATURES USING VIRTUAL INSTRUMENTATION, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 25-30, ISBN 978-86-6022-681-7
8. Slavić D., Romero D., Pezzotta G., Marjanović U., Savković B., Alexandru Popan I., Rakić S.: Towards Human-Centric Digital Services: A Development Framework, *29. Advances in Production Management Systems (APMS)*, Hemnic: Springer, 8-12 September, 2024

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

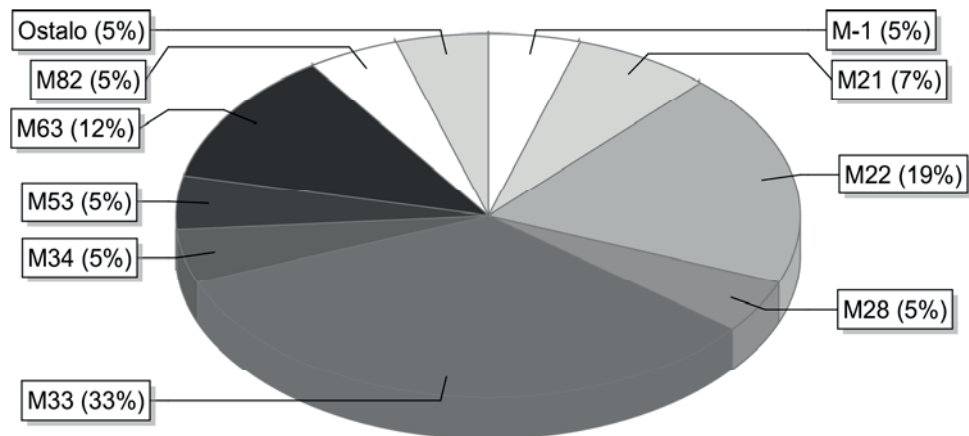
1. Šajnović T., Rodić D., Gostimirović M., Milošević M., Đurđev M., Lukić D.: Optimization of laser cutting processes in the function of surface roughness, *Annals of Faculty Engineering Hunedoara - International Journal of Engineering*, 2024, Vol. 22, No. 2, pp. 21-26, ISSN 1584-2665

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

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

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	2
Rad u vodećem međunarodnom časopisu kategorije M21	M21	3
Rad u međunarodnom časopisu kategorije M22	M22	8
Uređivanje međunarodnog naučnog časopisa	M28	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u nacionalnom časopisu kategorije M53	M53	2
Uređivanje vodećeg naučnog časopisa nacionalnog značaja (na godišnjem nivou)	M54	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Novo tehničko rešenje primenjeno na nacionalnom nivou	M82	2



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Cvetković D., Vukelić Đ., Doroslovački K.: A New Subclass of H-Matrices with Applications, Article Number 2322, Mathematics, 2024, Vol. 12, No. 15, ISSN 2227-7390
2. Milošević A., Šimunović G., Kanović Ž., Šimunović K., Santoši Ž., Šokac M., Vukelić Đ.: Comprehensive evaluation of dimensional deviation, flank wear, surface roughness and material removal rate in dry turning of C45 steel, Facta universitatis - series: Mechanical Engineering, 2024, Vol. 22, No. 4, pp. 547-566, ISSN 0354-2025

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Ilić Mićunović M., Budak I., Vukelić Đ., Đurović Koprivica D., Kuzmanović M., Agarski B., Puškar T.: Investigation of the geometric characteristics of inhalable particles emitted from the process of grinding dental restorations, Article Number: 5169, Applied Sciences, 2024, Vol. 14, No. 12, ISSN 2076-3417
2. Kostić S., Kočović V., Petrović Savić S., Miljanić D., Milojković J., Đorđević M., Vukelić Đ.: The Influence of Friction and Twisting Angle on the Tensile Strength of Polypropylene Baling Twine, Article Number: 3046, Applied Sciences, 2024, Vol. 14, No. 7, ISSN 2076-3417
3. Orošnjak M., Štrbac B., Vulanović S., Runje B., Horvatić Novak A., Razumić A.: RCE (Rationale-Cogency-Extent) Criterion Unravels Features affecting Citation Impact of Top-ranked Systematic Literature Reviews: Leaving the impression...is all you need., Scientometrics, 2024, ISSN 0138-9130

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Gvoić V., Prica M., Turk Sekulić M., Pap S., Paunović O., Kulić Mandić A., Bečelić-Tomin M., Vukelić Đ., Kerkez Đ.: Synergistic effect of Fenton oxidation and adsorption process in treatment of azo printing dye: DSD optimization and reaction mechanism interpretation, Environmental Technology, 2024, Vol. 45, No. 9, pp. 1781-1800, ISSN 0959-3330
2. Havrlišan S., Klarić Š., Štrbac B.: Investigation of the Influence of NiBSi/NiCrBSi Coatings Applied by Flame Spraying with Simultaneous Fusing on the Substrate Material, Tehnički Glasnik - Technical Journal, 2024, Vol. 18, No. 3, pp. 461-469, ISSN 1848-5588
3. Knežev M., Čep R., Mejić L., Popović B., Antić A., Štrbac B., Živković A.: Applying the MIMO BP Neural Network and Cloud-Based Monitoring of Thermal Behavior for High-Speed Motorized Spindle Units, Machines, 2024, Vol. 12, No. 3:194, pp. 1-21, ISSN 2075-1702
4. Razumić A., Runje B., Lisjak D., Kolar D., Horvatić Novak A., Štrbac B., Savković B.: Atomic force microscopy: Step height measurement uncertainty evaluation, Tehnički Glasnik - Technical Journal, 2024, Vol. 18, No. 2, pp. 209-214, ISSN 1848-5588
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7. Vukelić Đ., Milošević A., Ivanov V., Kočović V., Santoši Ž., Šokac M., Šimunović G.: Modelling and optimization of dimensional accuracy and surface roughness in dry turning of Inconel 625 alloy, Advances in Production Engineering and Management, 2024, Vol. 19, No. 3, pp. 371-385, ISSN 1854-6250
8. Vukelić Đ., Šimunović K., Ivanov V., Šokac M., Kočović V., Santoši Ž., Šimunović G.: Modelling of flank and crater wear during dry turning of AISI 316L stainless steel as a function of tool geometry using the response surface design, Tehnički vjesnik - Technical Gazette, 2024, Vol. 31, No. 4, pp. 1376-1384, ISSN 1330-3651

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Vukelić Đ.: Editorial Board, Tehnički Glasnik - Technical Journal, 2024, Vol. 18, ISSN 1848-5588
2. Vukelić Đ.: Editorial Board, Tehnički vjesnik - Technical Gazette, 2024, Vol. 31, ISSN 1330-3651

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Agarski B., Jovanović S., Ilić Mićunović M., Vukelić Đ.: Overview of Life Cycle Assessment and Eco-Design publications trend in Republic of Serbia, 3. International Scientific Conference "Challenges of Modern Economy and Society through the Prism of Green Economy and Sustainable Development" – CESGED, Novi Sad: Faculty of Economics and Engineering Management - FIMEK, Novi Sad, Serbia; Educational and

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Adamović (Majkić) S., Milošević R., Banjanin B., Dramićanin M., Ilić Mićunović M., Mihailović A.: The particulate matter in the working environment of the digital printing machine detected by stationary and personal methods, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Graphic Engineering and Design, 14-16 November, 2024, pp. 665-669, ISBN 978-86-6022-698-5
2. Blanuša V., Štrbac B., Savić B., Hadžistević M., Janjić N.: Experimental testing of the roughness of parts obtained by SLA 3D printing technology, *1. Challenges of Contemporary Higher Education - CCHE*, Kopaonik: Conference of Academies for Applied Studies in Serbia (CAASS), 29-3 January, 2024, pp. 9-13, ISBN 978-86-82744-04-9
3. Božić D., Runje B., Razumić A., Lisjak D., Štrbac B.: RISK ASSESSMENT FOR LINEAR REGRESSION MODELS IN METROLOGY: HYPOTHETICAL CASES, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 24-26 September, 2024, pp. 127-130, ISBN 978-86-6022-681-7
4. Božić D., Runje B., Razumić A., Lisjak D., Štrbac B.: RISK ASSESSMENT FOR NON-CENTERED MODELS IN METROLOGY, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 24-26 September, 2024, pp. 111-114, ISBN 978-86-6022-681-7
5. Devedžić G., Kočović V., Đorđević A., Jovanović Pešić Ž., Džunić D., Vukelić Đ., Petrović Savić S.: Reconstruction and optimization of complex geometric parts through reverse engineering, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 51-54, ISBN 978-86-6022-681-7
6. Istrat D., Agarski B., Petrović (Đogo) M.: SWOT ANALYSIS OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS IMPLEMENTATION, *2. EUROSA*, Vrnjačka Banja: Faculty of Technical Sciences, Novi Sad, Republic of Serbia, 15-18 May, 2024, pp. 287-295, ISBN 978-86-6022-676-3
7. Jotić G., Štrbac B., Šokac M., Tanasić Z., Runje B., Ačko B., Hadžistević M.: OPTIMIZATION OF THE MEASUREMENT PROCESS USING A 3D LASER SCANNER, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 24-26 September, 2024, pp. 103-106, ISBN 978-86-6022-681-7
8. Jovanović S., Ranisavljev M., Milošević A., Ilić Mićunović M., Vukelić Đ., Agarski B.: Life cycle assessment of machining processes: turning, milling, and drilling, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 211-214, ISBN 978-86-6022-681-7
9. Jovanović S., Ubavin D., Agarski B.: Analyzing the environmental effects on municipal waste management in Novi Sad, *2. EUROSA*, Vrnjačka Banja, 15-18 May, 2024, pp. 23-31, ISBN 978-86-6022-676-3
10. Majstorović V., Ninković M., Hadžistević M., Milošević M., Lukić D., Djurdjanović D.: Towards smart manufacturing – a case study, *Procedia CIRP*, 2024, Vol. 130, pp. 1262-1267, ISSN 2212-8271, *57. CIRP Conference on Manufacturing Systems*, Povoja de Varzim: Elsevier, 29-31 May, 2024, pp. 1262-1267
11. Matin I.: THE DEVIATION BETWEEN INJECTED MOLDED PLASTIC PART AND FDM MANUFACTURED PART, *14. International Conference Industrial Engineering and Environmental Protection*, Zrenjanin: University of Novi Sad Technical Faculty Mihajlo Pupin, 3-4 October, 2024, pp. 114-119, ISBN 978-86-7672-376
12. Milošević A., Kočović V., Santoši Ž., Šokac M., Šimunović G., Tadić B., Vukelić Đ.: Modelling the boring process on the basis of centrifugal force using a specially designed tool holder, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 95-98, ISBN 978-86-6022-681-7
13. Santoši Ž., Šokac M., Milošević A., Ivanov V., Vukelić Đ.: 3D reconstruction of machine vise by application of photogrammetry and reverse engineering, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 24-26 September, 2024, pp. 123-126, ISBN 978-86-6022-681-7
14. Štrbac G., Štrbac B., Milošević M., Ranisavljev M., Hadžistević M.: IMPORTANCE OF 3D CAD SEARCH ENGINES IN GEAR MAINTENANCE, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 24-26 September, 2024, pp. 147-150, ISBN 978-86-6022-681-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Agarski B., Jovanović S., Ilić Mićunović M., Vukelić Đ.: Evaluation of ionising radiation with life cycle impact assessment methods, 12. *International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology (RAD)*, Herceg Novi, 17-21 June, 2024, pp. 39-39, ISBN 978-86-901150-7-5
2. Đurović Koprivica D., Jeremić-Knežević M., Maletin (Anđelković) A., Ilić Mićunović M., Puškar T.: Occlusal Scheme Choices in Implant - Prosthetic Dentistry, 28. *Congress of the Balkan Stomatological Society (BaSS)*, Budva, 25-27 April, 2024, pp. 154-154

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Stankijević E., Santoši Ž.: Primena reverzibilnog inženjerskog dizajna kod izrade replika eksponata iz "Muzeja afričke umetnosti", Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 5, pp. 570-573, ISSN 0350-428X, UDK: 004.92:62
2. Tomić D., Šokac M.: Primena reverzibilnog inženjerstva kod redizajna nosača tračne testere za metal, Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 2, pp. 204-207, ISSN 0350-428X

Spisak rezultata M54 - Uređivanje vodećeg naučnog časopisa nacionalnog značaja (na godišnjem nivou)

1. Vukelić Đ.: Editorial Board, *Tribology in Industry*, 2024, ISSN 0354-8996

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

1. Blanuša V., Štrbac B., Savić B., Ranisavljev M.: Eksperimentalno ispitivanje hrapavosti površina kod delova dobijenih SLA tehnologijom 3D štampe, 23. *International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina: Univerzitet u Istočnom Sarajevu, Elektrotehnički fakultet, 20-22 Mart, 2024, pp. 222-225, ISBN 978-99976-996-2-6
2. Matin I., Štrbac B., Ranisavljev M., Hadžistević M., Vukelić Đ.: Research of the deviation between numerical simulation and experiments in plastic injection molding, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 Septembar, 2024, pp. 43-47, ISBN 978-86-6022-680-0
3. Matin I., Štrbac B., Ranisavljev M., Hadžistević M., Vukelić Đ.: THE DEVIATION BETWEEN INJECTED MOLDED PLASTIC PART AND FDM MANUFACTURED PART, 14. *International Conference Industrial Engineering and Environmental Protection*, Zrenjanin: University of Novi Sad Technical Faculty Mihajlo Pupin, 3-4 Oktobar, 2024, pp. 114-119, ISBN 978-86-7672-376-8
4. Matin I., Štrbac B., Ranisavljev M., Vukelić Đ., Hadžistević M.: THE ADVANCED SYSTEM FOR DETERMINING THE DEVIATION OF PLASTIC INJECTED MOLDED PARTS, 44. *JUPITER konferencija*, Beograd: UNIVERZITET U BEOGRADU - MAŠINSKI FAKULTET, 16-17 Oktobar, 2024, ISBN 978-86-6060-204-8
5. Ranisavljev M., Štrbac B., Matin I., Hadžistević M., Runje B., Horvatić Novak A.: PREGLED RAZLIČITIH ARTEFAKATA KOJI SE POJAVLJUJU U KOMPJUTERSKOJ TOMOGRAFIJI, 44. *JUPITER konferencija*, Beograd: UNIVERZITET U BEOGRADU - MAŠINSKI FAKULTET, 16-17 Oktobar, 2024, pp. 553-560, ISBN 978-86-6060-204-8

Spisak rezultata M82 - Novo tehničko rešenje primenjeno na nacionalnom nivou

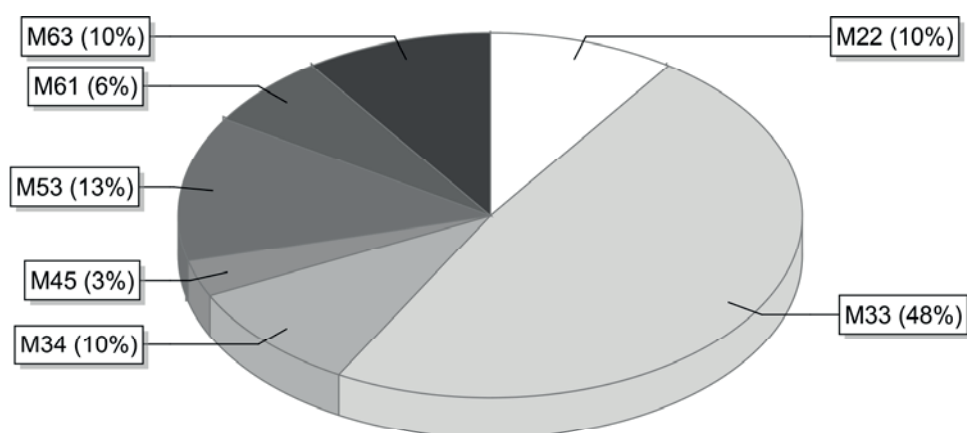
1. Kočović V., Kostić S., Bogdanović B., Petrović Savić S., Vukelić Đ., Tadić B.: Multifunkcionalni uređaj za merenje kinematskog koeficijenta trenja i ispitivanje procesa mikrorezanja, 2024
2. Kočović V., Milovanović V., Džunić D., Milojković J., Brzaković Lj., Mitrović S., Vukelić Đ., Tadić B.: Uređaj za određivanje kinematskog koeficijenta trenja klizanja i trenja kotrljanja statički i dinamički opterećenih kontakata, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

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

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu kategorije M22	M22	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Rad u nacionalnom časopisu kategorije M53	M53	4
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



PRODUKCIJA - REZULTATI

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Knežev M., Čep R., Mejić L., Popović B., Antić A., Štrbac B., Živković A.: Applying the MIMO BP Neural Network and Cloud-Based Monitoring of Thermal Behavior for High-Speed Motorized Spindle Units, *Machines*, 2024, Vol. 12, No. 3:194, pp. 1-21, ISSN 2075-1702
2. Pasic M., Marinković D., Lukić D., Begic-Hajdarevic D., Živković A., Milošević M., Muhamedagic K.: Prediction and Optimization of Surface Roughness and Cutting Forces in Turning Process Using ANN, SHAP Analysis, and Hybrid MCDM Method, *Applied Sciences*, 2024, Vol. 14, No. 23, pp. 1-21, ISSN 2076-3417
3. Tabaković S., Zeljković M., Živanović S., Budimir A., Dimić Z., Košarac A.: Calibration of a Hybrid Machine Tool from the Point of View of Positioning Accuracy, *Applied Sciences*, 2024, Vol. 14, No. 12, pp. 5275-5289, ISSN 2076-3417

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Blanuša V., Vukman J., Gavanski D., Savić B., Bilić I.: Experimental testing of the accuracy of dimensions of parts obtained using 3d printing technology, 3. *INTERNATIONAL ENGINEERING CONFERENCE - Student version*, Novi Sad: THE HIGHER EDUCATION TECHNICAL SCHOOL OF PROFESSIONAL STUDIES IN NOVI SAD, 26-30 August, 2024, pp. 269-274, ISBN 978-86-6022-692-3 |
2. Božić D., Lukić D., Milošević M., Spaić O., Marinović B., Radovanović M.: Optimization of Machining Process Planning – Case Study of a Prismatic Parts, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 24-26 September, 2024, pp. 135-138, ISBN 978-86-6022-681-7
3. Đurđev M., Milošević M., Lukić D., Premčevski V.: Optimization of End Milling Parameters using African Vulture Optimization Algorithm, 10. *International Conference „New Technologies, Development and Application“ - NT*, Sarajevo: Springer, Cham, 20-22 June, 2024, pp. 310-320, ISBN 978-3-031-66268-3
4. Knežev M., Mladenović C., Marinković D., Calin A., Živković A.: Finite element analysis of turning cutting tool, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 24-26 September, 2024, pp. 75-78, ISBN 978-86-6022-681-7
5. Lukić D., Milošević M., Ahmed Č., Maida Č., Đerzija B., Božić D.: Evaluation of the technological effects of cellular manufacturing for a group of products, 14. *International Conference Industrial Engineering and Environmental Protection*, Zrenjanin: Tehnički fakultet "Mihajlo Pupin", 3-4 October, 2024, pp. 84-92, ISBN 978-86-7672-376-8
6. Majstorović V., Ninković M., Hadžistević M., Milošević M., Lukić D., Djurdjanović D.: Towards smart manufacturing – a case study, *Procedia CIRP*, 2024, Vol. 130, pp. 1262-1267, ISSN 2212-8271, 57. *CIRP Conference on Manufacturing Systems*, Povia de Varzim: Elsevier, 29-31 May, 2024, pp. 1262-1267
7. Marinković D., Antić A., Knežev M., Mladenović C., Živković A.: The influence of the cutting parameters on the surface roughness and vibration signal in the turning process, 11. *International Scientific and Expert Conference TEAM*, Ostrava, 10-13 September, 2024, ISBN 1805-0476
8. Marinković D., Živković A., Mladenović C., Knežev M., Mejić L., Savković B.: Analysis of the influence of the cutting regimes on the quality of the machining surface in turning process, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of technical sciences, Department of production engineering, 24-26 September, 2024, pp. 35-38, ISBN 978-86-6022-681-7
9. Radovanović M., Čomić B., Dostinić S., Marinović B., Spaić O., Božić D., Lukić D., Milošević M.: The Influence of CNC Tehnology on Production Time and Processing Quality, 7. *International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA*, Istočno Sarajevo: Faculty of Mechanical Engineering, University of East Sarajevo, 14-16 November, 2024, pp. 409-417, ISBN 978-99976-085-2-9, UDK: 621.03(082)(0.034.2)
10. Štrbac G., Štrbac B., Milošević M., Ranisavljev M., Hadžistević M.: IMPORTANCE OF 3D CAD SEARCH ENGINES IN GEAR MAINTENANCE, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 24-26 September, 2024, pp. 147-150, ISBN 978-86-6022-681-7
11. Tabaković S., Budimir Buda A., Zeljković M., Živanović S., Dimić Z.: STRAIGHTNESS ANALYSIS OF MACHINE TOOL WITH NON-LINEAR KINEMATICS, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: University of Novi Sad, Faculty of technical sciences, 24-26 September, 2024, pp. 63-67, ISBN 978-86-6022-680

12. Tabaković S., Zeljković M., Živanović S.: METHODS OF MONITORING AND APPLYING ENERGY BALANCE PARAMETERS IN THE EXPLOITATION OF MODERN MACHINE TOOLS, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad, 24-26 September, 2024, pp. 67-71, ISBN 978-86-6022-680-0
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14. Terek V., Kovačević L., Škorić B., Drnovšek A., Čekada M., Bobić Z., Zagoričnik M., Terek P.: TRIBOLOGICAL TESTING OF MULTILAYER TiAlSiN COATING AT HIGH TEMPERATURES, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 24-26 September, 2024, pp. 165-168, ISBN 978-86-6022-681-7
15. Vukman J., Milošević M., Borojević S., Ungureanu N., Božić D., Lukić D.: Optimization of the machining parameters of aluminum parts as a function of the perpendicularity deviation of thin-walled surfaces, 15. *International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 24-26 September, 2024, pp. 151-154, ISBN 978-86-6022-681-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Tabaković S., Grujić J., Zeljković M., Vučinić Z., Rajković S., Bogosavljević N.: COMPUTATIONAL MODELING OF MEGA ENDOPROSTHESIS OF THE FEMUR "TOTAL FEMUR", 44. *SICOT Orthopaedic World Congress*, Beograd: SICOT, the Société Internationale de Chirurgie Orthopédique et de Traumatologie, 25-27 September, 2024
2. Terek V., Kovačević L., Drnovšek A., Čekada M., Bobić Z., Zagoričnik M., Terek P.: Tribological testing of multilayer TiAlSiN coating deposited on IN100 and X15CrNiSi25-22 steel at high temperatures, 22. *Young Researchers Conference Materials Sciences and Engineering - YRC*, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 4-6 December, 2024, ISBN 978-86-80321-39-4
3. Zagoričnik M., Kovačević L., Terek V., Bobić Z., Terek P., Pećanac M., Škorić B.: Influence of Filling System Design on Tensile Strength in Aluminum Sand Castings, 22. *Young Researchers Conference Materials Sciences and Engineering - YRC*, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 4-6 December, 2024, ISBN 978-86-80321-39-4

Spisak rezultata M45 - Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina

1. Milošević M.: Industrija 4.0 – Digitalne tehnologije u proizvodnom procesu / Poglavlje u monografiji "Industrija 4.0: Digitalna transformacija oblikuje budućnost" (urednici: Isak Karabegović i Vidosav Majstorović), Sarajevo, Društvo za robotiku u Bosni i Hercegovini & Akademija nauka i umjetnosti Bosne i Hercegovine, 2024, ISBN 978-9958-9262-8-0

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Knežev M., Marinković D., Mladenović C., Živković A., Antić A.: Static and dynamic analysis of the turning tool holder, *Journal of Emerging Topics in Industrial Engineering*, 2024, Vol. 5, pp. 1-9, ISSN 2960-5407
2. Marinković D., Živković A., Mladenović C., Knežev M., Antić A.: Optimization of turning process parameters using Taguchi method: Surface roughness analysis and ANOVA evaluation, *Journal of Emerging Topics in Industrial Engineering*, 2024, Vol. 6, pp. 1-10, ISSN 2960-5407
3. Šajnović T., Rodić D., Gostimirović M., Milošević M., Đurđev M., Lukić D.: Optimization of laser cutting processes in the function of surface roughness, *Annals of Faculty Engineering Hunedoara - International Journal of Engineering*, 2024, Vol. 22, No. 2, pp. 21-26, ISSN 1584-2665
4. Tabaković S., Živanović S., Dimić Z.: Mašine alatke sa hibridnom kinematikom, *Tehnika - Mašinstvo*, 2024, Vol. 4, No. 79, pp. 445-450, ISSN 0461-2531, UDK: 621.9:531.1

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Lukić D., Milošević M., Đurđev M., Božić D., Obradović P.: Optimizacija tehnološkog procesa izrade proizvoda primenom pravila prethođenja i simulacione tehnike, 44. *JUPITER konferencija*, Beograd: Mašinski fakultet Univerziteta u Beogradu, 16-17 Oktobar, 2024, ISBN 978-86-6060-204-8
2. Tabaković S., Zeljković M.: DIGITALIZACIJA MAŠINA ALATKI – MOGUĆNOSTI I PRIMENA U REPUBLICI SRBIJI, 44. *JUPITER konferencija*, Beograd: Mašinski fakultet u Beogradu, 16-17 Oktobar, 2024, ISBN 978-86-6060-204-8

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

1. Lukić D., Milošević M., Živković A., Antić A.: Master strukovne studije mašinstva u Republici Srbiji, 30.

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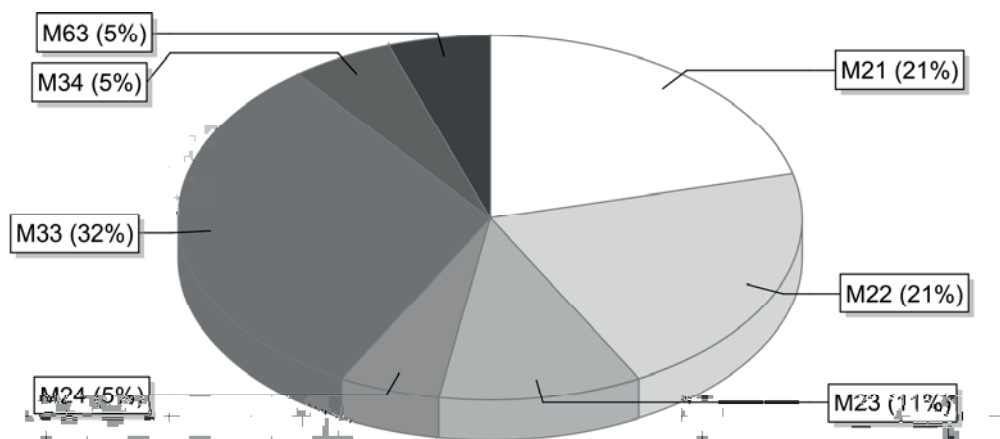
2. Tabaković S., Košarac A., Zeljković M.: PRIMJENA MAŠINSKOG UČENJA ZA PREDIKCIJU HRAPAVOSTI OBRAĐENE POVRŠINE PRI OBRADI GLODANJEM BIOKOMPATIBILNE LEGURE TITANIJUMA TI-6AL-4V, 44. *JUPITER konferencija*, Beograd: Mašinski fakultet u Beogradu, 16-17 Oktobar, 2024, pp. 111-121, ISBN 978-86-6060-204-8
3. Tabaković S., Vučinić Z., Grujić J., Zeljković M., Rajković S., Bogosavljević N., Đan V.: Razvoj endoproteze butne kosti „TOTAL FEMUR“, 23. *International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina: Mašinski fakultet, istočno Sarajevo, 20-22 Mart, 2024, pp. 48-53

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za materijale i tehnologije spajanja

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	4
Rad u međunarodnom časopisu kategorije M22	M22	4
Rad u međunarodnom časopisu kategorije M23	M23	2
Rad u vodećem nacionalnom časopisu kategorije M24	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Baloš S., Pećanac M., Trivković (Ristić) M., Bojić S., Hanus P.: Load-Independent Hardness and Indentation Size Effect in Iron Aluminides, *Materials*, 2024, Vol. 17, No. 9, ISSN 1996-1944
2. Erceg T., Šovljanski O., Tomić (Vidaković) A., Aćimović (Babić) M., Stupar A., Aćimović (Babić) M., Stupar A., Baloš S.: Comparison of the Properties of Pullulan-Based Active Edible Coatings Implemented for Improving Sliced Cheese Shelf Life, *Polymers*, 2024, Vol. 2, No. 16, ISSN 2073-4360
3. Hanus P., Pećanac M., Trivković (Ristić) M., Bojić S., Baloš S.: Comparison of iron aluminide Fe₃Al with armour steel in ballistic behaviour, *Defence Technology*, 2024, ISSN 2096-3459
4. Ramić B., Cvjetičanin (Premović) M., Bajkin B., Drobac M., Milanović M., Rajnović D., Krstonošić V., Veljović Đ.: Physical and mechanical properties assessment of glass ionomer cements modified with TiO₂ and Mg-doped hydroxyapatite nanoparticles, *Journal of Applied Biomaterials & Functional Materials*, 2024, Vol. 22, pp. 1-12, ISSN 2280-8000

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Henrieta C., Jozef M., Igor B., Matúš G., Jana E., Pećanac M., Rajnović D., Baloš S., Marcel K.: Research on FSW Welds of Al-Alloy Modified by Laser Shock Peening Process, *Manufacturing Technology*, 2024, Vol. 24, No. 1, pp. 53-61, ISSN 1213-2489
2. Milović (Tatomirović) T., Bulatović V., Pezo L., Dramićanin M., Tomić (Vidaković) A., Pezo M., Šovljanski O.: Enhancing Compressive Strength of Cement by Indigenous Individual and Co-Culture *Bacillus* Bacteria, *Materials*, 2024, Vol. 17, No. 4975, pp. 1-20, ISSN 1996-1944
3. Šovljanski O., Bulatović V., Milović (Tatomirović) T., Grahovac (Ranković) J., Erceg T., Dramićanin M., Tomić (Vidaković) A.: Bioaugmentation of Industrial Wastewater and Formation of Bacterial-CaCO₃ Coupled System for Self-Healing Cement, *Buildings*, 2024, Vol. 14, No. 4011, pp. 1-24, ISSN 2075-5309
4. Tomić I., Adamović (Majkić) S., Dramićanin M., Pinčjer I., Milošević R.: Improving the lightfastness of paperboard prints with pearlescent pigments, *Nordic Pulp and Paper Research Journal*, 2024, Vol. 39, No. 4, pp. 667-683, ISSN 0283-2631

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Skakun (Francuski) P., Rajnović D., Janjatović P., Movrin D., Dramićanin M., Berus L., Ficko M.: Experimental determination of a strain state in a bulk forming of a low carbon steel, *Materials Science-Medziagotyra*, 2024, Vol. 30, No. 1, pp. 40-46, ISSN 1392-1320
2. Timotijević M., Erić Cekić O., Janjatović P., Dojčinović M., Rajnović D.: Cavitation Damage Morphology of the Centrifugally Cast Heat-resistant Alloy – HP40 Nb, *Materials Science-Medziagotyra*, 2024, Vol. 30, No. 4, pp. 568-575, ISSN 1392-1320

Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

1. Chochlíková H., Majerik J., Barényi I., Escherová J., Pećanac M., Rajnović D., Baloš S., Kohutiar M.: Research on FSW Welds of Al-Alloy Modified by Laser Shock Peening Process, *Manufacturing Technology*, 2024, ISSN 1213-2489

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Adamović (Majkić) S., Milošević R., Banjanin B., Dramićanin M., Ilić Mićunović M., Mihailović A.: The particulate matter in the working environment of the digital printing machine detected by stationary and personal methods, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Graphic Engineering and Design, 14-16 November, 2024, pp. 665-669, ISBN 978-86-6022-698-5
2. Ilić K., Banjanin B., Spasojević S., Adamović (Majkić) S., Dramićanin M.: Effect of Infill Pattern on the Tensile Strength of FDM 3D Printed PLA Material, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 235-238
3. Maksimović N., Hauck A., Janjatović P., Pećanac M., Savković B., Rajnović D., Savić V., Baloš S.: INFLUENCE OF BASE METAL ROUGHNESS ON ADHESION-JOINED ALUMINIUM ALLOY AND STEEL, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 197-200, ISBN 978-86-6022-681-7
4. Skakun (Francuski) P., Janjatović P., Dramićanin M., Rajnović D.: An Experimental Assesment of Deformation in Metal Forming Processes, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 177-180

5. Timotijević M., Erić Cekić O., Janjatović P., Rajnović D.: The influence of overheating temperature on the microstructure of HP40 alloy, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 173-176, ISBN 978-86-6022-681-7
6. Timotijević M., Erić Cekić O., Rajnović D., Janjatović P.: The quantification of carbides in heat-resistant cast steel HP40 Nb alloy 2024, *1. Challenges of Contemporary Higher Education - CCHE*, Kopaonik, 29-3 January, 2024, pp. 89-95, ISBN 978-86-8244-04-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Zagoričnik M., Kovačević L., Terek V., Bobić Z., Terek P., Pećanac M., Škorić B.: Influence of Filling System Design on Tensile Strength in Aluminum Sand Castings, *22. Young Researchers Conference Materials Sciences and Engineering - YRC*, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 4-6 December, 2024, ISBN 978-86-80321-39-4

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

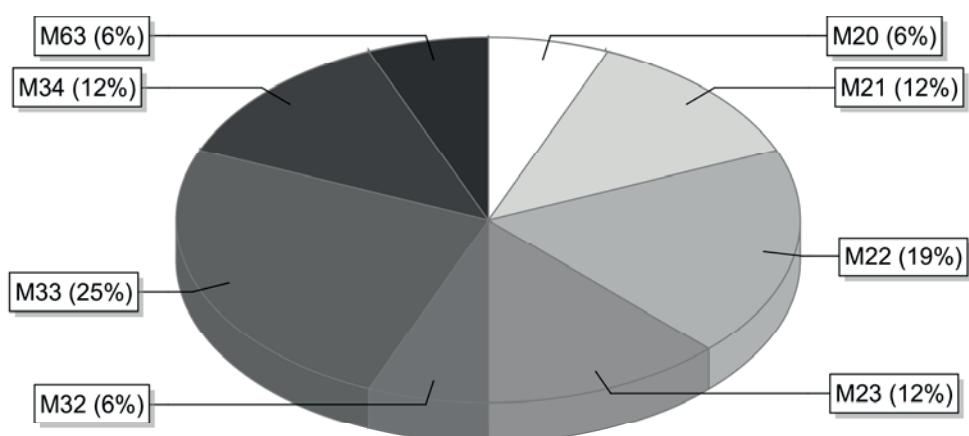
1. Ružić D., Jurišić D., Rajnović D.: Analiza okolnosti odvajanja točka privrednog vozila, *17. Savetovanje sa međunarodnim učešćem - saobraćajne nezgode*, Zlatibor: Agencija Expert, 16-18 Maj, 2024, pp. 262-270, ISBN 978-86-86931-20-7, UDK: 656.1.08(082)(0.034.2)

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije oblikovanjem i inženjerstvo površina

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u izvodu (neophodno pozivno pismo i program)	M32	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Zhang M., Saad M., Zheng H., Vilotić M., Bao-sheng L., Zheng-ping Z., Li Y.: A novel active hydroforming & curing process to manufacture GLARE laminates: Numerical and experimental investigations, *Thin-Walled Structures*, 2024, Vol. 196, ISSN 0263-8231

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. I. Aros Taglioni J., Movrin D., Popović Ž., Qureshi S., Zafar H., Stojanović G.: Custom-made force sensing resistors embedded in insole applied for measuring plantar pressure, *IEEE Sensors Journal*, 2024, ISSN 1530-437X
2. Terek V., Kovačević L., Drnovšek A., Panjan P., Škorić B., Kovač J., Bobić Z., Terek P.: High-temperature tribological behavior of nanolayered TiAlN/TiSiN coating deposited on WC-Co cemented carbide, *Surface and Coatings Technology*, 2024, Vol. 477, ISSN 0257-8972

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Đoc'oš M., Aung T., Vejín M., Movrin D., Fauzani Jamaluddin N., Kojić S., Petrović B., Ibrahim F., Stojanović G.: Analysis of Covarine Particle in Toothpaste Through Microfluidic Simulation, Experimental Validation, and Electrical Impedance Spectroscopy, *ACS Omega*, 2024, Vol. 2024, ISSN 2470-1343
2. Panjan P., Miletić A., Drnovšek A., Terek P., Čekada M., Kovačević L., Panjan M.: Cracking Resistance of Selected PVD Hard Coatings, *Coatings*, 2024, Vol. 14, No. 1452, ISSN 2079-6412
3. Terek P., Kovačević L., Terek V., Bobić Z., Miletić A., Škorić B., Čekada M., Drnovšek A.: Surface Roughness and Its Effect on Adhesion and Tribological Performance of Magnetron Sputtered Nitride Coatings, *Coatings*, 2024, Vol. 14, No. 8, ISSN 2079-6412

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Bulatović S., Aleksić V., Zečević B., Milutinović M.: Evaluation of the behavior of welded structures under low-cycle fatigue loading, *Materiali in Tehnologije*, 2024, Vol. 58, No. 3, pp. 321-327, ISSN 1580-2949
2. Skakun (Francuski) P., Rajnović D., Janjatović P., Movrin D., Dramićanin M., Berus L., Ficko M.: Experimental determination of a strain state in a bulk forming of a low carbon steel, *Materials Science-Medziagotyra*, 2024, Vol. 30, No. 1, pp. 40-46, ISSN 1392-1320

Spisak rezultata M32 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u izvodu (neophodno pozivno pismo i program)

1. Škorić B., Miletić A., Terek P., Kovačević L., Bobić Z., Terek V.: Characterization of nanolayered coatings, *22. International Balkan Workshop on Applied Physics*, Konstanca: Ovidius University Press Constanta, 2024, 9-12 July, 2024, pp. 9-9

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bobić Z., Kovačević L., Čekada M., Rodić P., Csik A., Škorić B., Terek V., Terek P.: Sealing of PVD Coating Defects by Ti-O ALD Layers for Orthopedic Implant Applications, *67. Annual SVC Technical Conference*, Chicago: Society of Vacuum Coaters, 4-9 May, 2024, pp. 47-52, ISBN ISBN 978-1-878068-44
2. Panić M., Smiljić Đ., Movrin D., Milutinović M.: ANALYSIS OF THE INFLUENCE OF RING DIMENSION RATIO ON FRICTION IN UPSETTING TESTS, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad, 24-26 September, 2024, pp. 169-172, ISBN 9788660226800
3. Skakun (Francuski) P., Janjatović P., Dramićanin M., Rajnović D.: An Experimental Assesment of Deformation in Metal Forming Processes, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 177-180
4. Terek V., Kovačević L., Škorić B., Drnovšek A., Čekada M., Bobić Z., Zagoričnik M., Terek P.: TRIBOLOGICAL TESTING OF MULTILAYER TiAlSiN COATING AT HIGH TEMPERATURES, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 24-26 September, 2024, pp. 165-168, ISBN 978-86-6022-681-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Terek V., Kovačević L., Drnovšek A., Čekada M., Bobić Z., Zagoričnik M., Terek P.: Tribological testing of multilayer TiAlSiN coating deposited on IN100 and X15CrNiSi25-22 steel at high temperatures, *22. Young Researchers Conference Materials Sciences and Engineering - YRC*, Beograd: Materials Research Society of Serbia & Institute of Technical Sciences of SASA, 4-6 December, 2024, ISBN 978-86-80321-39-4
2. Zagoričnik M., Kovačević L., Terek V., Bobić Z., Terek P., Pećanac M., Škorić B.: Influence of Filling System Design on Tensile Strength in Aluminum Sand Castings, *22. Young Researchers Conference Materials*

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

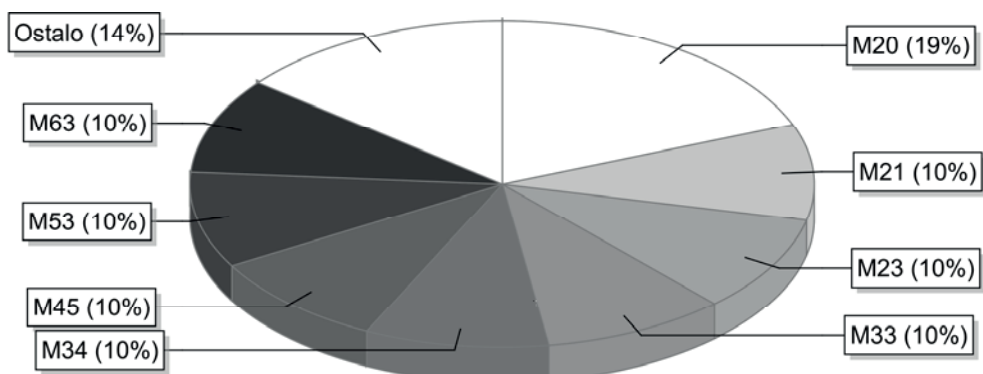
1. Milutinović M., Dačević N., Stefanović Lj., Panić M., Movrin D.: Uticaj modela trenja na tačnost rezultata numeričkih simulacija u procesu kombinovanog istiskivanja, *44. JUPITER konferencija*, Beograd, 16-17 Oktobar, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za mehanizaciju i konstrukciono mašinstvo

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

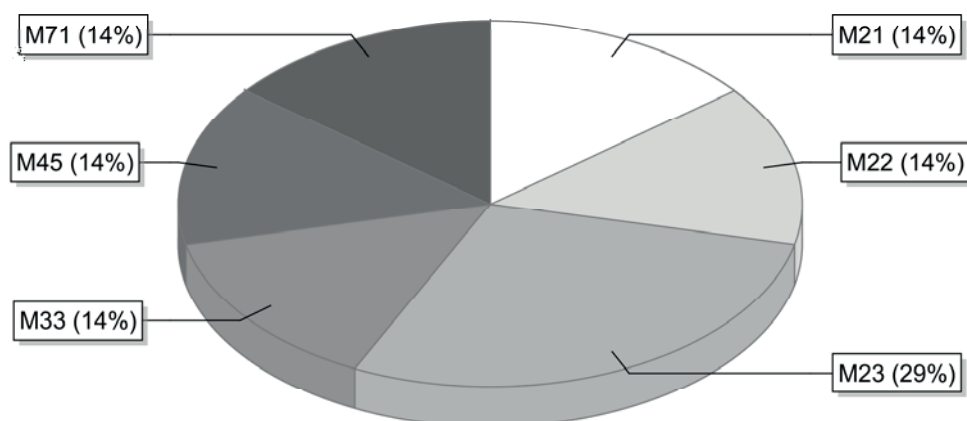
Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	2
Uređivanje međunarodnog naučnog časopisa	M28	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	2
Rad u nacionalnom časopisu kategorije M53	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Odbranjena doktorska disertacija	M71	1



GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI
Katedra za mašinske konstrukcije, transportne sisteme i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Novaković B., Đorđević L., Đurđev M., Radovanović (Petrović) Lj., Zuber N., Desnica (Ginin) E., Bakator M.: Effect of changes in hydraulic parameters and tank capacity of the hydraulic press system on the heating of the hydraulic oil, *Eksplatacija i Niezawodnosc – Maintenance and Reliability*, 2024, Vol. 26, No. 4, ISSN 1507-2711

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Maslarić M., Bojić S., Mirčetić D., Nikoličić S., Medenica R.: Sustainable Urban Mobility Planning in the Port Areas: A Case Study, *Sustainability*, 2024, ISSN 2071-1050

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Đokić R., Vlatić J., Jojić T., Ličen H.: Analysis of Power Losses and Experimental Method for Determining Resistance in Electric Elevators, *Strojniski vestnik - Journal of Mechanical Engineering*, 2024, Vol. 70, No. 9-10, pp. 466-482, ISSN 0039-2480
2. Mirčetić D., Nikoličić S., Maslarić M., Bojić S.: Assessment of technological and organisational improvements in the logistic distribution hub using discrete event simulation, *Ekonomski vjesnik, Osijek*, 2024, Vol. 37, No. 2, pp. 285-298, ISSN 0353-359X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Ilanković N., Živanić D., Gašić V.: Assessment of the integrity of the conveyor belt based on its deformation, *25. International Conference on Material Handling, Constructions and Logistics*, Beč, 18-19 September, 2024, pp. 29-32, ISBN 978-3-200-10036-7

Spisak rezultata M45 - Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina

1. Maslarić M., Bojić S.: Uloga baznih tehnologija Industrije 4.0 u Logistici 4.0 / Poglavlje u Monografiji: *Industrija 4.0: Digitalna transformacija oblikuje budućnost* (urednici: Isak Karabegović i Vidosav Majstorović), Sarajevo, Društvo za robotiku u Bosni i Hercegovini i Akademija nauka i umjetnosti Bosne i Hercegovine, 2024, ISBN 978-9958-9262-8-0

Spisak rezultata M71 - Odbranjena doktorska disertacija

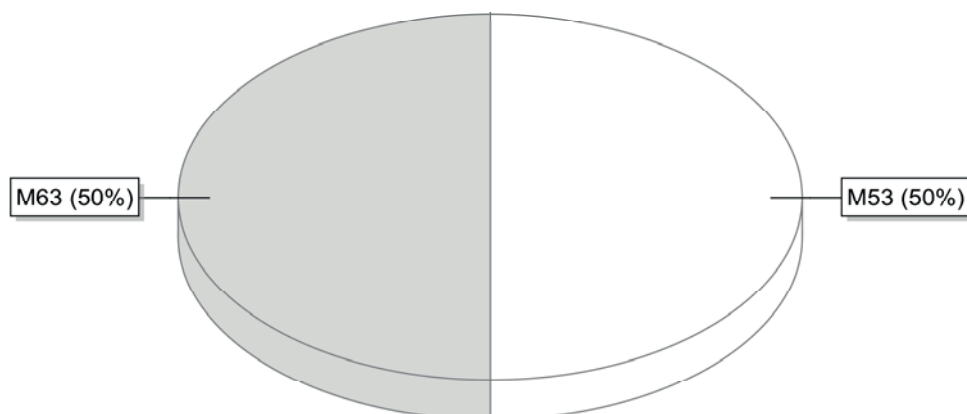
1. Ilanković N.: Istraživanje i analiza uticajnih parametara na eksploatacione karakteristike transportnih traka, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za motore i vozila

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Đurić Ž., Grujić I., Davinić A., Stojanović N., Dorić J.: The unmerical investigation of the combustion process of the dual fuel IC engine, *Traktori i pogonske mašine*, 2024, Vol. 29, No. 1/2, pp. 25-30, ISSN 0354-9496

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

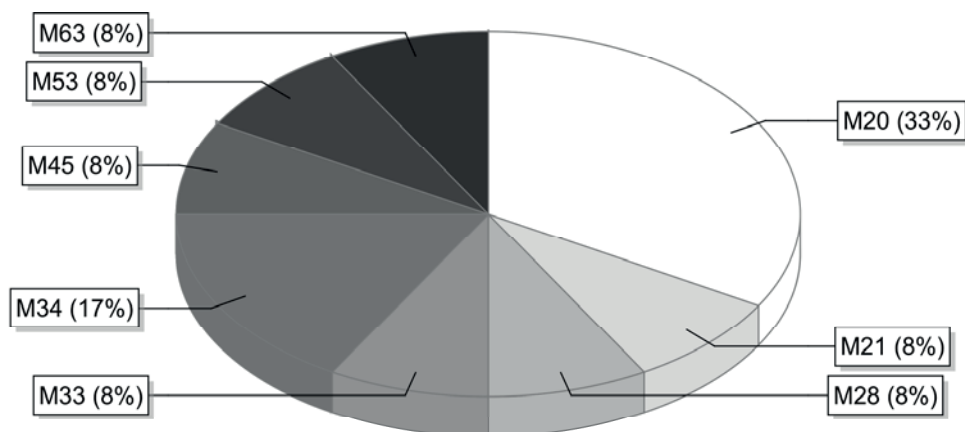
1. Ružić D., Jurišić D., Rajnović D.: Analiza okolnosti odvajanja točka privrednog vozila, *17. Savetovanje sa međunarodnim učešćem - saobraćajne nezgode*, Zlatibor: Agencija Expert, 16-18 Maj, 2024, pp. 262-270, ISBN 978-86-86931-20-7, UDK: 656.1.08(082)(0.034.2)

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mašinske elemente, teoriju mašina i mehanizama

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Uređivanje međunarodnog naučnog časopisa	M28	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Barczewski M., Aniško J., Suárez L., Skórczewska K., Rackov M., Ortega Z., Hejna A.: Using the potential of Canadian goldenrod (*Solidago canadensis*) as a functional filler with antioxidant activity of low-density polyethylene composites as an example of sustainable development of an invasive plant, *Industrial Crops and Products*, 2024, Vol. 222, No. 1, pp. 1-17, ISSN 0926-6690
2. Kovačić I., Kanović Ž., Rajs V., Teofanov Lj., Zhu R.: Reaching a desirable metastructures for passive vibration attenuation by using a machine learning approach, *Nonlinear Dynamics*, 2024, Vol. 112, pp. 20661-20676, ISSN 0924-090X
3. Zhao J., Kovačić I., Zhui R.: Wideband vibration attenuation of a metamaterial beam via integrated hardening and softening nonlinear resonators, *Nonlinear Dynamics*, 2024, pp. 1-18, ISSN 0924-090X
4. Zhou H., Zhao J., Tian Y., Kovačić I., Zhu R.: Locally resonant metamaterial for the regulation of damage-related nonlinearity based on second harmonic generation, *Nonlinear Dynamics*, 2024, Vol. 112, pp. 16771-16786, ISSN 0924-090X

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Lu Z., Luo Y., Penčić M., Oros D., Čavić M., Đukić V., Krasnik R., Mikov A., Orošnjak M.: Development of a Virtual Robot Rehabilitation Training System for Children with Cerebral Palsy: An Observational Study, *Sensors*, 2024, Vol. 24, No. 24, pp. 1-24, ISSN 1424-8220, UDK: DOI: 10.3390/s24248138

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Kovačić I.: Receiving Editor/Deputy-Editor-in-Chief of *Journal of Sound and Vibration*, *Journal of Sound and Vibration*, 2024, ISSN 0022-460X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Rackov M., Kuzmanović S.: How to Facilitate the Selection of Universal Gear Motor Reducers and Meet Customer Expectations, *11. International Conference on Mass Customization and Personalization in Central Europe MCP-CE*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia, 24-27 September, 2024, pp. 219-224, ISBN 978-86-6022-686-2

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Čavić D., Rackov M., Čavić M.: Synthesis of Biometrics Mechanisms: Morey EEL Pharyngeal Jaws, *14. International Conference of Applied Science - ICAS*, Travnik: University "VITEZ", 30-1 May, 2024, pp. 38-38, ISBN 978-9926-529-02-4
2. Rackov M., Kuzmanović S.: An Overview of the Development Process of Universal Gear Reducers with External Helical Gears, *10. International Scientific Conference on Advances in Mechanical Engineering*, Debrecen: Trans Tech Publications Ltd. (Ed. Mihály Csüllög and Dr. Tamás Mankovits), 7-9 November, 2024, pp. 45-46, ISBN 978-3-0364-0660-2

Spisak rezultata M45 - Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina

1. Harhaji V., Lalić I., Milojević Z.: Prostorno određivanje položaja kalema u butnoj kosti nakon rekonstrukcije prednje ukrštene veze kolena. In: Milankov V, Krstić V, Matijević R, editors. *Prednja ukrštena veza kolena*, Novi Sad, Futura, 2024, str. 203-213, ISBN 978-86-907070-0-3, UDK: 616.728.3(082)

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Lu Z., Zhu J., Shan C., Liu Y., Zhao Y., Penčić M., Čavić M., Ilieva R., Mernik M.: Robot-Assisted ECG Signal Detection and Rehabilitation System, *Gaojishu Tongxin/Chinese High Technology Letters*, 2024, Vol. 34, No. 5, pp. 535-544, ISSN 1002-0470, UDK: DOI: 10.3772/j.issn.1002-0470.2024.05.010

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

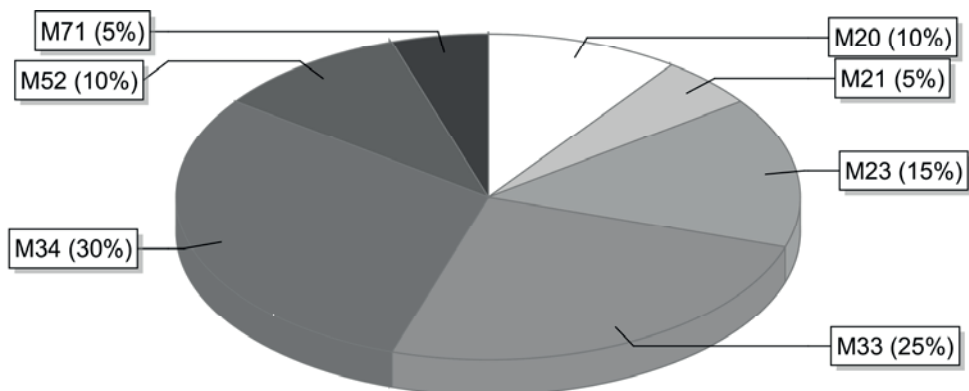
1. Rackov M., Kuzmanović S., Knežević I., Matysiak W., Hajkowski J., Barczewski M., Bojanić Šejat M.: The Impact of Efficiency on the Selection of Universal Gear Motor Reducers, *7. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA*, Istočno Sarajevo: Faculty of Mechanical Engineering in East Sarajevo, East Sarajevo, B&H [editors: B. Marković, M. Milutinović, D. Milić], 14-16 Novembar, 2024, pp. 378-385, ISBN 978-99976-085-2-9

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku i procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M23	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	5
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
Rad u nacionalnom časopisu kategorije M52	M52	2
Odbranjena doktorska disertacija	M71	1

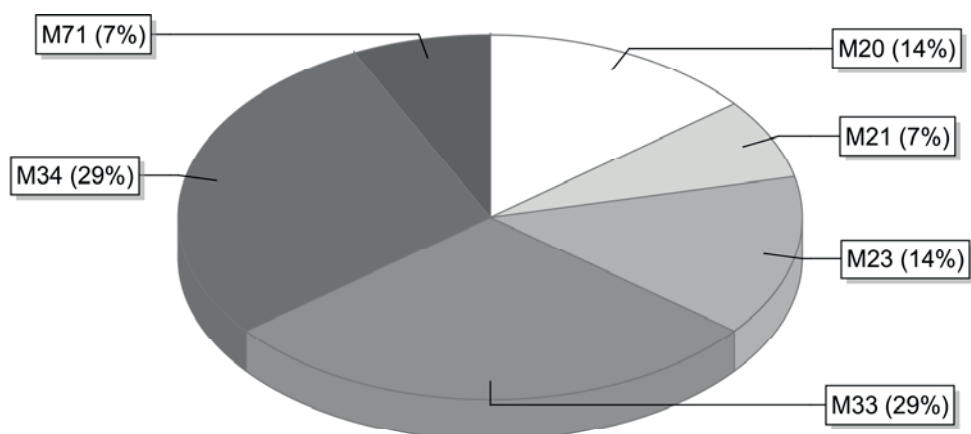


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za toplotnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M23	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Dubljević S., Tepavčević B., Stefanović A., Anđelković A.: BIM to BREEAM: A workflow for automated daylighting assessment of existing buildings, *Energy and Buildings*, 2024, Vol. 312, No. 114208, pp. 1-15, ISSN 0378-7788
2. Munćan V., Mušan I., Macura D., Anđelković A.: The State of District Heating and Cooling in Europe - A Literature-Based Assessment, *Energy*, 2024, Vol. 304, ISSN 0360-5442

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Bošković G., Todorović M., Ubavin D., Stepanov B., Mihajlović V., Perović M., Čepić Z.: A New Method for the Determination of Fire Risk Zones in High-Bay Warehouses, *Fire*, published by MDPI., 2024, Vol. 7, No. 4, ISSN 2571-6255

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Đaković D., Kljajić M., Milivojević N., Doder Đ., Anđelković A.: Review of Energy-Related Machine Learning Applications in Drying Processes, *Energies*, 2024, Vol. 17, No. 1, ISSN 1996-1073
2. Živković V., Grković V., Kljajić M.: The instigating factors behind the occurrence of vibration in steam turbines: A review analysis, *Thermal Science*, 2024, Vol. 28, No. 6, pp. 4451-4471, ISSN 0354-9836

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bošković G., Stepanov B., Bošković M., Todorović M., Čepić Z.: The Procedure for Calculating Input Parameters in the Process of Determining Potential Risk Zones in Warehouses, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, 24-26 September, 2024, pp. 215-218, ISBN 978-86-6022-681-7
2. Dubljević S., Tepavčević B., Stefanović A., Jezdić K., Anđelković A.: Opportunities and limitations for integration of the Green Building Certification System in the BIM environment, *9. SplitTech - International Conference on Smart and Sustainable Technologies*, Bol: Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, 25-28 June, 2024, ISBN 978-953-290-134-4
3. Stepanov B., Vlaović Ž., Doder Đ., Čepić Z., Brborić M.: Missed Opportunity in Decarbonizing Heat 77 Years Ago: Maria Telkes' Dover House and Forward-Thinking Vision, *9. Industrijska energetika i zaštita životne sredine, IEEP*, Beograd: Mašinski fakultet u Beogradu, 29-31 May, 2024
4. Šunjević M., Obrovski B., Nedučin D., Tošić N., Dubljević S., Rajs V.: PM POLLUTION ON CONSTRUCTION SITES IN SERBIA: CURRENT STATE AND TRENDS, HEALTH AND ENVIRONMENTAL EFFECTS, *2. EUROSIA*, Vrnjačka Banja, 15-18 May, 2024, pp. 14-22, ISBN 978-86-6022-676-3

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Dubljević S., Šunjević M.: Integration of Green Building Certification Systems into the BIM Environment, *4. 4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad: Fakultet tehničkih nauka, Trg Dositeja Obradovića 6, 5-6 December, 2024, pp. 45-45, ISBN 978-86-6022-715-9
2. Mihajlović V., Pilić V., Baloš D.: Environmental Effects and Risk assessment of Cooling Water Systems in Petrochemical Industry, *5. ICRESH -INTERNATIONAL CONFERENCE ON RELIABILITY, SAFETY AND HAZARD*, Mumbai, 21-24 February, 2024
3. Šunjević M., Obrovski B., Tošić N., Istrat D., Dubljević S., Kustudić M.: PM10 and PM2.5 risk assesment during small building construction in the city of Novi Sad, *4. 4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad: Fakultet Tehničkih Nauka, Trg Dositeja Obradovica 6, 5-6 December, 2024, pp. 109-109, ISBN 978-86-6022-715-9
4. Šunjević M., Obrovski B., Tošić N., Istrat D., Dubljević S., Kustudić M.: PM10 and PM2.5 risk assesment during medium building construction in the city of Novi Sad, *4. 4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad: Fakultet Tehničkih Nauka, Trg Dositeja Obradovica 6, 5-6 December, 2024, pp. 110-110, ISBN 978-86-6022-715-9

Spisak rezultata M71 - Odbranjena doktorska disertacija

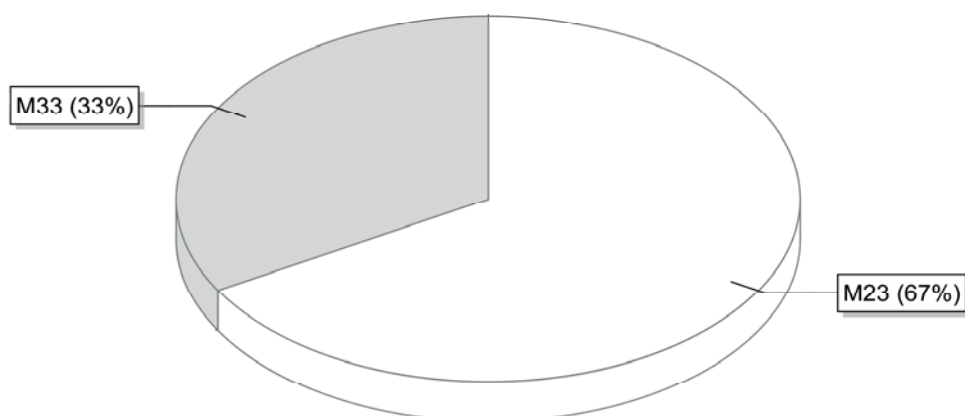
1. Dubljević S.: Algoritam za automatizaciju procene ostvarenosti zahteva sertifikacionih sistema za održivu gradnju u BIM okruženju, doktorska disertacija, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za procesnu tehniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu kategorije M23	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	1



PRODUKCIJA - REZULTATI

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Đaković D., Kljajić M., Milivojević N., Doder Đ., Anđelković A.: Review of Energy-Related Machine Learning Applications in Drying Processes, *Energies*, 2024, Vol. 17, No. 1, ISSN 1996-1073
2. Sokolović D., Šećerov Sokolović R.: Development of an eco- friendly mobile plant for car wash wastewater recovery, *Hemijska industrija*, 2024, Vol. 78, No. 3, pp. 291-302, ISSN 0367-598X, UDK: 628.19:622.675.6: 681.7.052

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

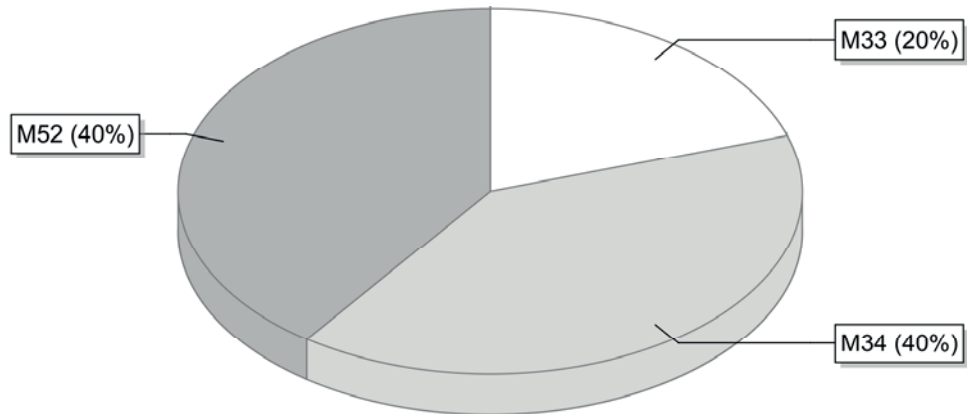
1. Stepanov B., Vlaović Ž., Doder Đ., Čepić Z., Brborić M.: Missed Opportunity in Decarbonizing Heat 77 Years Ago: Maria Telkes' Dover House and Forward-Thinking Vision, 9. *Industrijska energetika i zaštita životne sredine, IEEP*, Beograd: Mašinski fakultet u Beogradu, 29-31 May, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehaniku fluida i hidropneumatske sisteme

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Rad u nacionalnom časopisu kategorije M52	M52	2



PRODUKCIJA - REZULTATI

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Guranov I., Oluški N.: USING CFD AS A REPLACEMENT FOR EXPENSIVE EXPERIMENTS IN EDUCATION, 8. *International Conference of Experimental and Numerical Investigations and New Technologies - CNN TECH*, Beograd: Springer, 24-27 June, 2024, pp. 93-113, ISBN 978-3-031-78634-1

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Guranov I., Milićev S., Stevanović N.: RADIUS RATIO EFFECTS ON PRESSURE DISTRIBUTION OF GAS FLOW THROUGH ANNULAR MICROTUBE, 2. *International Conference on Mathematical Modelling in Mechanics and Engineering*, Beograd: Mathematical Institute of the Serbian Academy of Science and Arts, 12-14 September, 2024, pp. 211-212
2. Guranov I., Milićev S., Stevanović N.: RAREFIED GAS FLOW IN CONVERGENT AND DIVERGENT MICROTUBE, 14. *International Conference of Applied Science - ICAS*, Travnik: University "VITEZ" - Faculty of Information Technology, Travnik, 30-1 May, 2024, ISBN 978-9926-529-02-4

Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

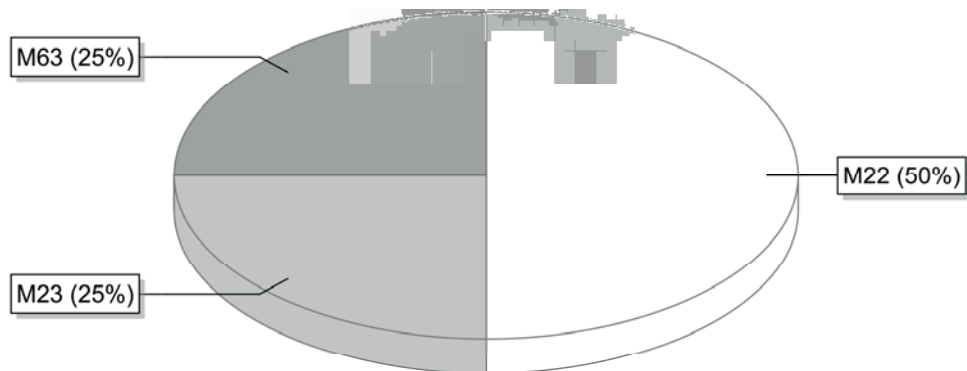
1. Kozomora V., Živkov A., Vukić M., Oluški N.: APPLICATION OF FLOW VISUALIZATION METHODS FOR DETERMINING DRAG FORCE AROUND A PROJECTILE, *Journal on Processing and Energy in Agriculture*, 2024, Vol. 24, No. 1, pp. 31-37, ISSN 1821-4487, UDK: 631.3
2. Oluški N., Popović P., Vukić M., Živkov A., Bukurov M.: EVALUATION OF TECHNICAL AND ECONOMIC ASPECTS OF REPLACING MECHANICAL TRANSPORT WITH PNEUMATIC, *Journal on Processing and Energy in Agriculture*, 2024, Vol. 28, No. 1, pp. 27-30, ISSN 1821-4487, UDK: 631.3

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu kategorije M22	M22	2
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1

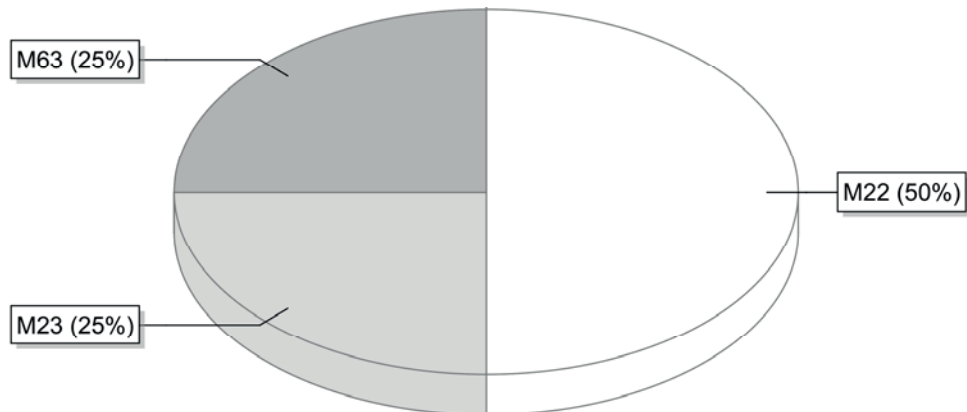


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehničku mehaniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu kategorije M22	M22	2
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Berecki A., Glavardanov V., Grahovac N., Žigić M.: Bifurcation analysis of a nanotube through which passes a nanostring, *Acta Mechanica*, 2024, No. 235, pp. 6867-6888, ISSN 0001-5970
2. Novaković B., Carić B.: A nonlocal beam with nonsymmetrical boundary conditions: stability analysis and shape optimization, *Archive of Applied Mechanics*, 2024, Vol. 94, No. 5, pp. 1263-1272, ISSN 0939-1533

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Cvetičanin L., Prica M., Vujkov S.: Influence of the elasticity variation of the 3D printed PMMA structure on the axial tooth vibration, *Journal of the Serbian Chemical Society*, 2024, ISSN 0352-5139

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

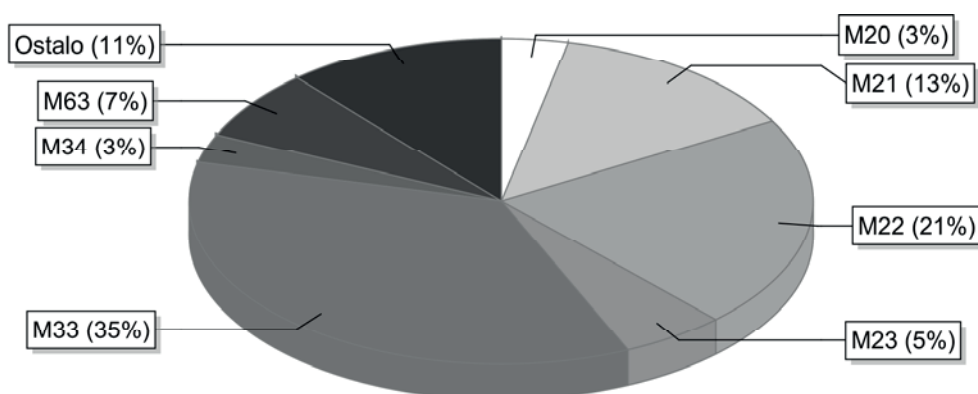
1. Berecki A.: INTEGRACIJA EKSPERIMENTALNIH METODA U NASTAVNI PROCES: ANALIZA UDARNIH SILA U MEHANIČKIM SISTEMIMA, 30. *Trendovi razvoja TREND*, Vrnjačka Banja, 7-10 Februar, 2024, pp. 224-227, ISBN 978-86-6022-635-0

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za energetiku, elektroniku i telekomunikacije

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	1
Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14	M28b	2
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	4
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	7
Rad u vodećem međunarodnom časopisu kategorije M21	M21	27
Rad u međunarodnom časopisu kategorije M22	M22	43
Rad u međunarodnom časopisu kategorije M23	M23	11
Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)	M27	1
Uređivanje međunarodnog naučnog časopisa	M28	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	72
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Rad u nacionalnom časopisu kategorije M52	M52	1
Rad u nacionalnom časopisu kategorije M53	M53	2
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	14
Odbranjena doktorska disertacija	M71	1
Novo tehničko rešenje primenjeno na nacionalnom nivou	M82	1

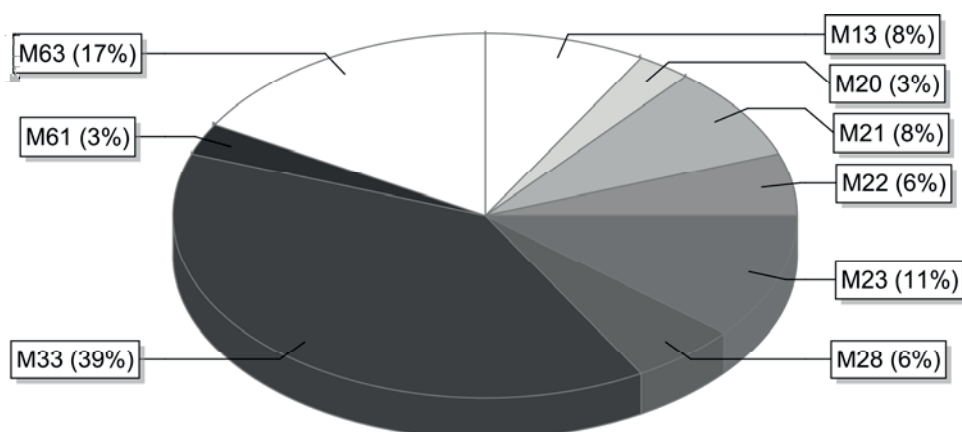


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektroenergetiku i primenjeni softverski inženjering

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Monografska studija/poglavlje u knjizi M11 ili rad u tematskom zborniku vodećeg međunarodnog značaja	M13	3
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	3
Rad u međunarodnom časopisu kategorije M22	M22	2
Rad u međunarodnom časopisu kategorije M23	M23	4
Uređivanje međunarodnog naučnog časopisa	M28	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6



PRODUKCIJA - REZULTATI

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

1. Švenda G., Kanjuh S.: Experiences on Use of State Estimator in Power System Operations; Chapter 21: Experiences of Distribution State Estimator Practical Implementation Series: Power Electronic and Power Systems Publisher: Springer, Cham Published: 17. September 2024. Editors: Veera Raju Vinnakota, Sarma (NDA) Nuthalapati eBook ISBN: 978-3-031-62867-2 Print ISBN: 978-3-031-62866-5 Book DOI: 10.1007/978-3-031-62867-2 Chapter DOI: 10.1007/978-3-031-62867-2_21 Print Length Total: XXXIII chapters, 604 pages Chapter Length: 52 Site: <https://link.springer.com/book/10.1007/978-3-031-62867-2>, Springer, 2024, ISBN 978-3-031-62866-5
2. Švenda G., Kanjuh S.: Experiences on Use of State Estimator in Power System Operations; Chapter 5: Engineering Aspects of Implementation of Distribution State Estimator Series: Power Electronic and Power Systems Publisher: Springer, Cham Published: 17. September 2024. Editors: Veera Raju Vinnakota, Sarma (NDA) Nuthalapati eBook ISBN: 978-3-031-62867-2 Print ISBN: 978-3-031-62866-5 Book DOI: 10.1007/978-3-031-62867-2 Chapter DOI: 10.1007/978-3-031-62867-2_5 Print Length Total: XXXIII chapters, 604 pages Chapter Length: 41 Site: <https://link.springer.com/book/10.1007/978-3-031-62867-2>, Springer, 2024, str. 125-166, ISBN 978-3-031-62866-5
3. Švenda G.: Experiences on Use of State Estimator in Power System Operations; Chapter 3: Theoretical Fundamentals of the Three-Phase Distribution State Estimator Series: Power Electronic and Power Systems Publisher Springer, Cham Published: 17. September 2024. Editors: Veera Raju Vinnakota, Sarma (NDA) Nuthalapati eBook ISBN: 978-3-031-62867-2 Print ISBN: 978-3-031-62866-5 Book DOI: 10.1007/978-3-031-62867-2 Chapter DOI: 10.1007/978-3-031-62867-2_3 Print Length Total: XXXIII chapters, 604 pages Chapter Length: 57 Site: <https://link.springer.com/book/10.1007/978-3-031-62867-2>, Springer, 2024, str. 37-92, ISBN 978-3-031-62866-5

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Švenda G., Erdeljan A., Manojlović I., Gavrić M., Čapko D.: Cumulant Learning: Highly Accurate and Computationally Efficient Load Pattern Recognition Method for Probabilistic STLF at the LV Level Manuscript number: TSG-00412-2024 Date of Publication: 16. October 2024 Print ISSN: 1949-3053 Electronic ISSN: 1949-3061 DOI: 10.1109/TSG.2024.3481894 Site Early Access: <https://ieeexplore.ieee.org/document/10720032>, IEEE Transaction on Smart Grid, 2024, ISSN 1949-3053

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Strezoski L., Simić N., Loparo K.: A Robust Short Circuit Calculation Methodology for Islanded, Grid-Connected, and Utility Microgrids, Journal of Modern Power Systems and Clean Energy, 2024, ISSN 2196-5625
2. Strezoski L., Stefani I.: Enabling mass integration of electric vehicles through distributed energy resource management systems, International Journal of Electrical Power & Energy Systems, 2024, Vol. 157, No. 109798, pp. 1-19, ISSN 0142-0615
3. Tošić S., Vojnović N., Vidaković M., Vidaković J., Levi V., Četenović D.: Single and Multi-threaded Power Flow Algorithm for Integrated Transmission-Distribution-Residential Networks, Computers and Electrical Engineering, 2024, Vol. 120, No. Part B, pp. 1-22, ISSN 0045-7906

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Bash C., Bian J., Milojević D., Patel C., Strezoski L., Terzija V.: Energy Supplies for Future Data Centers, Computer, 2024, Vol. 57, No. 7, pp. 126-134, ISSN 1558-0814
2. Lendak I., Ricci S., Parker S., Jerabek J., Danidou Y., Chatzopoulou A., Badonnel R.: Understanding Cybersecurity Education Gaps in Europe, IEEE Transactions on Education, 2024, pp. 190-201, ISSN 0018-9359

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Bekut D., Švenda G., Kanjuh S., Koturević V.: Generalized Distribution Network Data-Gathering Procedure for ADMS Deployment, Energies, 2024, Vol. 17, No. 23, pp. 1-20, ISSN 1996-1073
2. Bošković A., Sremački M., Vještica S., Čavić A., Marković N., Borovac B.: Sulphur hexafluoride in modern medium-voltage switchgear: advantages, hazards, and environmental impact, Special edition "15 years of Professor Emeritus UNS", Journal of the Serbian Chemical Society, 2024, ISSN 0352-5139
3. Janković Z.: Pajić Z., Janković Z., Selakov A. Autoencoder-Driven Training Data Selection Based on Hidden Features for Improved Accuracy of ANN Short-Term Load Forecasting in ADMS, Energies, 2024, ISSN 1996-1073
4. Pajić Z., Janković Z., Selakov A.: Autoencoder-Driven Training Data Selection Based on Hidden Features

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Strezoski L.: Editor, *Electrical Engineering*, Springer Berlin., Electrical Engineering, Springer Berlin, 2024
2. Strezoski L.: Guest Editor in Chief, Special Issue on Distributed Energy Resources and Microgrids for Energy Supply of Data Centers , *International Journal of Electrical Power & Energy Systems*, 2024, ISSN 0142-0615

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Lendak I., Birihanu E., Asroubi S.: Pairwise anomaly detection for industrial control systems, 22. *International Symposium on Intelligent Systems and Informatics SiSY*, Pula, 19-21 September, 2024, ISBN 979-8-3503-8560-1
2. Lendak I., Birihanu E., Soullami A.: Enhancing Industrial Control Systems Security: Real-Time Anomaly Detection with Uncertainty Estimation, 27. *International Conference on Discovery Science*, Pisa: Springer, 14-16 October, 2024
3. Lendak I., Hekfusz M., Mahajan V., Kamuzora A.: Comparative Analysis of Change Detection Methods In Cyber-Physical Systems, 9. *International Conference on Big Data Analytics, Data Mining and Computational Intelligence - BIGDACI*, Budimpešta, 13-15 July, 2024, pp. 219-223, ISBN 978-989-8704-59-7
4. Lendak I., Hekfusz M., Mahajan V., Kamuzora A.: Data Distribution-Based Change Detection Framework in SWaT Security Monitoring, 16. *International Conference on Computational Collective Intelligence (ICCCI)*, Leipzig: Springer, 9-11 September, 2024, pp. 16-28
5. Lendak I., Kamuzora A., Farou Z., Jursonovics T., Pogrzeba P.: Cyber-Physical Cloud Testbed on Raspberry Pi Microcomputers, 9. *International Conference on Big Data Analytics, Data Mining and Computational Intelligence - BIGDACI*, Budimpešta, 13-15 July, 2024, pp. 215-218, ISBN 978-989-8704-59-7
6. Lendak I., Mahmud J., Youssef A.: Evaluating Unsupervised Anomaly Detection in Industrial Systems Using Silhouette Coefficient, 7. *International Conference on Recent Innovations in Computing*, Budimpešta, 25-26 July, 2024
7. Lendak I., Mahmud J.: Enhancing One-Class Anomaly Detection in Unlabeled Datasets Through Unsupervised Data Refinement, 22. *International Symposium on Intelligent Systems and Informatics SiSY*, Pula: IEEE, 19-21 September, 2024, ISBN 979-8-3503-8560-1
8. Lendak I., Petr D., Ricci S., Sikora M., Stejskal M., Adao P.: Enhancing Cybersecurity Curriculum Development: AI-Driven Mapping and Optimization Techniques, 19. *International Conference on Availability, Reliability and Security (ARES)*, Beč, 30-2 July, 2024, pp. 1-10
9. Lendak I., Živanović M., Popović R.: Tackling the cybersecurity workforce gap with tailored cybersecurity study programs in Central and Eastern Europe, 19. *International Conference on Availability, Reliability and Security (ARES)*, Beč, 30-2 July, 2024, pp. 1-8
10. Strezoski L., Simić N., Loparo K.: Development and Implementation of a Smart Grid Laboratory Testbed: Exploring Academic, Research, and Industrial Applications, 40. *IEEE PES General Meeting*, Sijetl: IEEE, 21-25 July, 2024
11. Strezoski L., Stefani I.: Hosting Capacity within DERMS: Seamless Integration of Distributed Energy Resources and Electric Vehicles, 14. *Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion - MEDPOWER*, Atina, 3-6 November, 2024
12. Strezoski L., Stefani I.: Strategic Electric Vehicle Integration: Leveraging Hosting Capacity in Evolving Distribution Grids, 15. *IEEE International Conference on Innovative Smart Grid Technologies - ISGT Europe*, Dubrovnik: IEEE, 14-17 October, 2024
13. Strezoski L.: CHALLENGES IN DISTRIBUTION SYSTEM OPERATION DUE TO ELECTRICAL VEHICLES INTEGRATION, 1. *Savjetovanje o elektrodistributivnim mrežama Crne Gore*, Budva, 10-13 June, 2024, pp. 1-5
14. Strezoski L.: CHALLENGES IN DISTRIBUTION SYSTEM OPERATION DUE TO ELECTRICAL VEHICLES INTEGRATION, 1. *Savjetovanje o elektrodistributivnim mrežama Crne Gore*, Budva: CIRED, 10-13 June, 2024, pp. 1-5

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Vojnović N., Vidaković M., Vidaković J., Tošić S.: Dekuplovana procedura za proračun tokova snaga

radijalnih distributivnih mreža, 10. Merno-informacione tehnologije (MIT), Novi Sad, 5-10 Decembar, 2024, ISBN 978-86-6022-565-0

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

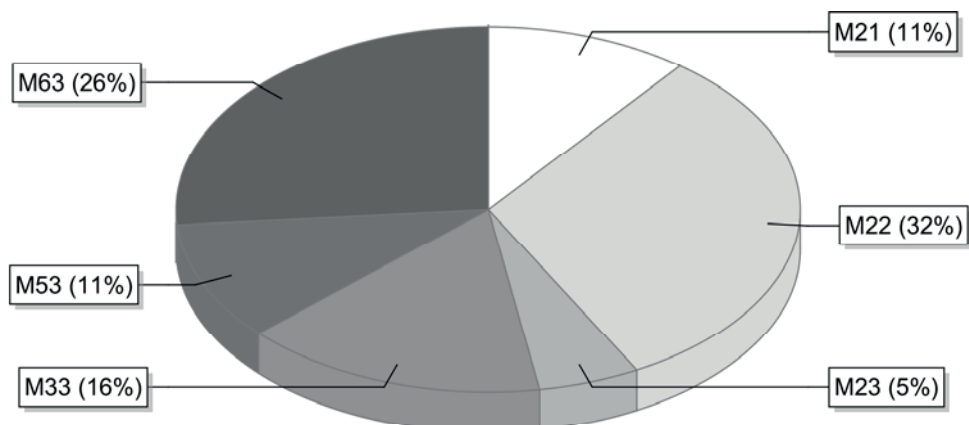
1. Damnjanović M., Cvetičanin S., Strezoski L., Dumnić B., Vukobratović D., Sovilj P., Đurić N.: PROMOCIJA STUDIJSKIH PROGRAMA DEPARTMANA ZA ENERGETIKU, ELEKTRONIKU I TELEKOMUNIKACIJE, 30. Skup "Trendovi razvoja" - *TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 256-259, ISBN 978-86-6022-635-0
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4. Strezoski L.: LABORATORIJA ZA PAMETNE MREŽE NA FAKULTETU TEHNIČKIH NAUKA UNIVERZITETA U NOVOM SADU, 14. Savetovanje o elektrodistributivnim mrežama Srbije sa regionalnim učešćem – *CIREĐ*, Kopaonik, 16-20 Septembar, 2024
5. Strezoski L.: Laboratorija Za Pametne Mreže u Svrhu Edukacije Inženjera Budućnosti, 30. Trendovi razvoja *TREND*, Vrnjačka Banja, 7-10 Februar, 2024, pp. 1-5
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GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za energetska elektroniku i pretvarače

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	6
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Rad u nacionalnom časopisu kategorije M53	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

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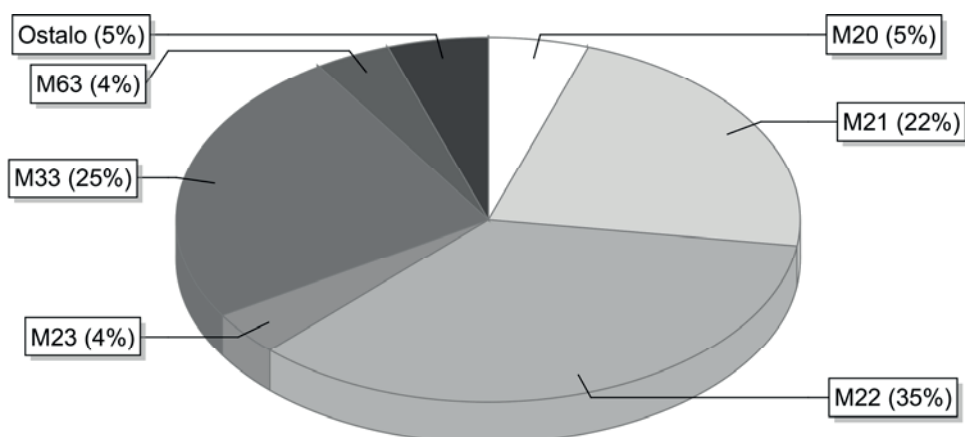
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5. Šaš M., Vukajlović N., Pejić D., Grbić T.: Analiza potiskivanja šuma primenom integrišućeg analogno-digitalnog konvertora, 11. *International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Društvo za ETRAN, 3-6 Jun, 2024, pp. 193-196, ISBN 978-86-6200-002-6

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za elektroniku

Zbirni pregled naučno istraživačkih rezultata u 2024. 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 vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	17
Rad u međunarodnom časopisu kategorije M22	M22	27
Rad u međunarodnom časopisu kategorije M23	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	19
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u nacionalnom časopisu kategorije M52	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Novo tehničko rešenje primenjeno na nacionalnom nivou	M82	1



PRODUKCIJA - REZULTATI

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

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4. Vidic J., Baptiste Blonde J., Tea Calzuola S., Feaugas T., Porrini C., Roy E., Stojanović G.: Membrane-based microfluidic systems for medical and biological applications, Lab on A Chip, 2024, Vol. 24, No. 15, pp. 3579-3603, ISSN 1473-0197

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3. Bajić J., Joža A., Vasiljević-Toskić M., Babić S., Djordjević A.: Mode-dependent analysis of a fiber optic curvature sensor with sensitive zone, Sensors and Actuators A: Physical, 2024, Vol. 373, pp. 1-7, ISSN 0924-4247
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13. Radić J., Brkić M., Keser T., Obrovski B., Mihajlović I., Vasiljević-Toskić M.: Distributed Wireless IoT based Sensing and Quality Monitoring System in Protection of Wetlands Groundwater Areas, Measurement Science and Technology, 2024, Vol. 35, No. 12, pp. 1-11, ISSN 0957-0233
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16. Simić M., Jeoti V., Stojanović G.: Parameter extraction of the Cole-impedance model for in-situ monitoring of electrochemical sources, Journal of Energy Storage, 2024, Vol. 77, No. 109895, pp. 1-13, ISSN 2352-152X
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2. Ana V., Obrovski B., Vukmirović S., Radić J., Mihajlović I.: Statistical tools for municipal wastewater treatment plant efficiency evaluation, International Journal of Environmental Science and Technology, 2024, ISSN 1735-1472
3. Armaković S., Savanović M., Šiljegović M., Kisić M., Šćepanović M., Grujić-Brojčin M., Simić N., Gavanski L., Armaković S.: Self-cleaning and charge transport properties of foils coated with acrylic paint containing TiO₂ nanoparticles, Inorganics, 2024, Vol. 12, ISSN 2304-6740
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15. Kumar P., Huzein F., Gupta M., Wei Xian R., Mohamed Shuaib M., Stojanović G., Izhar L.: Comparative investigation of surface electrical properties of functionalized graphene and MXene thin films for CO₂ gas sensing, *Journal of Materials Science*, 2024, Vol. 2024, ISSN 0022-2461
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Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Joseph K., Ibrahim F., Qureshi S., Petrović B., Kojić S., Thiha A., Jamaluddin N., Dahlan N., Stojanović G.: Enhanced Sweat Biosensing with Thread-Embedded Microfluidic Devices, *Medical Science Monitor*, 2024, No. 30:e943321, ISSN 1234-1010
2. Marković E., Perić T., Kojić S., Stošić M., Šćepan I., Petrović B.: Influence of casein phosphopeptide-amorphous calcium phosphate on the surface topography and composition of nickel-titanium archwires during orthodontic treatment with fixed appliances, *Journal of Oral Science*, 2024, Vol. 66, No. 1, pp. 60-65, ISSN 1343-4934
3. Milić L., Kojić S., Qureshi S., Simić M., Duval R., Petrović B., Stojanović G.: Edible Bite Force Sensor: A Novel Approach to Measuring Bite Force in Biomedical and Dental Applications, *Medical Science Monitor*, 2024, Vol. 30, No. e944050, ISSN 1234-1010

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bodić M., Aleksić S., Damnjanović M., Rajs V., Kisić M.: THERMAL COUPLING OF NTC CHIP THERMISTORS, *47. International Spring Seminar on Electronics Technology - ISSE*, Prag: IEEE, 15-19 May, 2024, pp. 1-5, ISBN 979-8-3503-8548-9
2. Brestovački L., Gotovac Z., Bajić J., Golubović M., Joža A., Vujičić B.: Comparative evaluation of Oscilloscope devices for reasearch laboratory usage, *32. Telekomunikacioni forum TELFOR*, Beograd, 26-

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3. Brestovački L., Gotovac Z., Rajs V.: Affordable Raspberry Pi based oscilloscope, 23. *International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina, 20-22 March, 2024, ISBN 978-99976-996-2-6
4. Brkić M., Keser T., Radić J., Obrovski B., Mihajlović I.: Wireless sensor network for surface water-quality monitoring in protected areas in Serbia and Croatia , 2. *EUROSA*, Vrnjačka Banja: Faculty of Technical Sciences, 15-18 May, 2024, pp. 195-201, ISBN 978-86-6022-676-3
5. Damnjanović M., Kisić M., Milutinov M., Bodić M., Aleksić S.: Influence of Number of Turns on Common-Mode Choke's Characteristics, 47. *International Spring Seminar on Electronics Technology - ISSE*, Prag: IEEE, 15-19 May, 2024, pp. 1-5, ISBN 979-8-3503-8548-9
6. Joža A., Bajić J., Brestovački L., Vasiljević-Toskić M.: Modelling and Simulation of Wavelength Monitoring System, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024
7. Katanić M., Pantelić D., Šormaz N., Šarčević N., Čitaković V., Kisić M., Damnjanović M.: Stretchable Strain Sensor using Interdigitated Capacitor on Fabric, 47. *International Spring Seminar on Electronics Technology - ISSE*, Prag: IEEE, 15-19 May, 2024, pp. 1-4, ISBN 979-8-3503-8548-9
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9. Putnik I., Petrović N., Joseph K., Thiha A., Vejin M., Kojić S., Stojanović G.: Microfluidic CD Fabrication for Electrochemical Analysis of pH-varied Sweat, 47. *MIPRO - International convention on information and communication technology, electronics and microelectronics - Savjetovanje o mikroračunalima u telekomunikacijama*, Opatija: IEEE, 20-24 May, 2024, pp. 1167-1172, ISBN 979-8-3503-8250-1
10. Sarang S., Stojanović G., Driberg M., Jeoti V., Valkama M.: QoS and Burst Transmission Enabled MAC Protocol for Ambient IoT, 7. *International Balkan Conference on Communications and Networking - BalkanCom*, Ljubljana, 3-6 June, 2024
11. Stavrakis A., Ioannidou M., Stojanović G.: A Novel, Fluidically Reconfigurable Patch Antenna Utilizing Conductive Fabrics, 6. *International Conference on Smart Systems and Technologies (SST)*, Osijek, 16-18 October, 2024
12. Stavrakis A., Stojanović G., Ioannidou M.: A novel approach towards fabrication of textile antennas for wearable applications, 23. *International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina, 20-22 March, 2024
13. Šiljegović M., Rajs V., Kisić M., Bošak O.: Electrical conductivity and impedance response of arsenic-sulphide glasses doped with Pb, 11. *International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš, 3-6 June, 2024, pp. 161-165, ISBN 978-86-6200-001-9
14. Šormaz N., Vidojković V., Radić J.: A 20GHz Radar Receiver RF front-end with Tx-to-Rx spillover cancellation circuit, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad: IEEE Xplore, 22-23 May, 2024, pp. 1-4, ISBN 979-8-3503-4916-0
15. Šunjević M., Obrovski B., Nedučin D., Tošić N., Dubljević S., Rajs V.: PM POLLUTION ON CONSTRUCTION SITES IN SERBIA: CURRENT STATE AND TRENDS, HEALTH AND ENVIRONMENTAL EFFECTS, 2. *EUROSA*, Vrnjačka Banja, 15-18 May, 2024, pp. 14-22, ISBN 978-86-6022-676-3
16. Talanov M., Bojic Lj., Zunic D., Samardžić N., Medojevic M.: Future of Neural Networks and Energy Consumption Aspects, 15. *Annual Meeting of the Biologically Inspired Cognitive Architectures Society*, Sijetl: Springer Nature Switzerland AG, 13-16 August, 2024, pp. 402-410, ISBN 978-3-031-76515-5
17. Tanović A., Mezei I.: Embedded Parallel K-means Algorithm Evaluation on ESP32 Across Various Memory Allocations, 20. *IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS)*, Yerevan, 13-17 November, 2024
18. Tanović A., Vranjković V.: Implementation of parallel K-means algorithm for image classification using OpenMP and MPI libraries, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad, 22-23 May, 2024, pp. 1-6, ISBN 979-8-3503-4915-3
19. Vejin M., Đočoš M., Bučko S., Katona J., Kojić S., Stojanović G.: Fabrication and Characterization of a Resistor Made of Carbon Film, 47. *MIPRO - International convention on information and communication technology, electronics and microelectronics - Savjetovanje o mikroračunalima u telekomunikacijama*, Opatija: IEEE, 20-24 May, 2024, pp. 2115-2120, ISBN 979-8-3503-8250-1

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Sekulić D., Raonić R., Bošák O., Kubliha M., Yatskiv R., Ivetić T.: Application of ZnO-modified LNTO ceramics in design of microwave dielectric resonators in LTCC technology, 3. *Serbian Conference on Materials Application and Technology - SCOM*, Beograd: Društvo za razvoj nauke Srbije, 16-18 October, 2024, pp. 18-18, ISBN 978-86-904450-4-2

Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

1. Kiurski J., Aksentijević S., Čavić A., Soleša D., Rajs V., Bodić M.: Street-Level of Air Pollution in the City of Novi Sad, Serbia, *ECOLOGICA*, 2024, Vol. 31, No. 114, pp. 187-195, ISSN 1451-6330, UDK: 502.7

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

1. Damnjanović M., Cvetičanin S., Strezoski L., Dumnić B., Vukobratović D., Sovilj P., Đurić N.: PROMOCIJA STUDIJSKIH PROGRAMA DEPARTMANA ZA ENERGETIKU, ELEKTRONIKU I TELEKOMUNIKACIJE, 30. Skup "Trendovi razvoja" - *TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 256-259, ISBN 978-86-6022-635-0
2. Damnjanović M., Kisić M., Katanić M., Grbić T., Nikolić D.: PROJEKTOVANJE I ODREĐIVANJE KARAKTERISTIKA EMI FILTERA U OKVIRU PREDMETA EMI I EMC U ELEKTRONICI, 30. Skup "Trendovi razvoja" - *TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 295-298, ISBN 978-86-6022-635-0
3. Damnjanović M., Samardžić N., Cvetičanin S., Mezei I., Babković K., Rajs V., Marčetić D.: SARADNJA SA SREDNJIM ELEKTROTEHNIČKIM ŠKOLAMA U CILJU PROMOVISANJA I UNAPREĐENJA STUDIJSKIH PROGRAMA DEPARTMANA ZA ENERGETIKU, ELEKTRONIKU I TELEKOMUNIKACIJE, 30. Skup "Trendovi razvoja" - *TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 299-304, ISBN 978-86-6022-635-0

Spisak rezultata M82 - Novo tehničko rešenje primenjeno na nacionalnom nivou

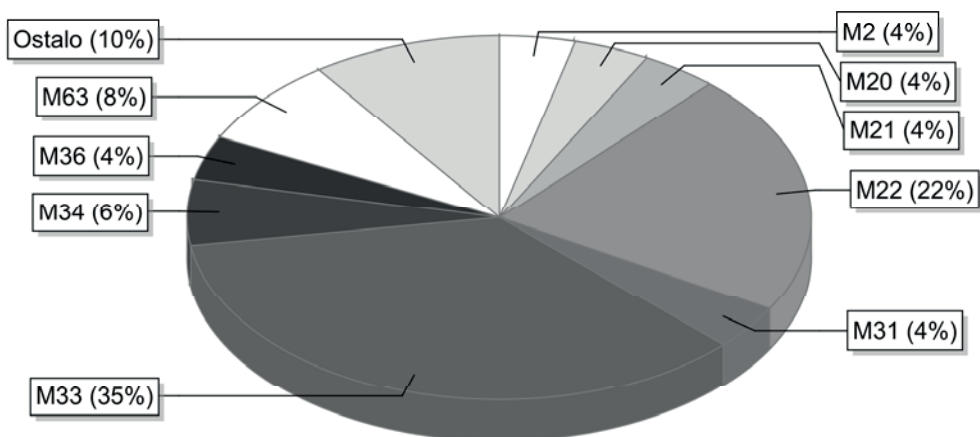
1. Radić J., Brkić M., Keser T., Obrovski B., Mihajlović I., Vasiljević-Toskić M.: Sistem za autonomni monitoring kvaliteta vodenih sredina, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za telekomunikacije i obradu signala

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	1
Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14	M28b	2
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	1
Uređivanje istaknutog međunarodnog naučnog časopisa na godišnjem nivou(gost urednik)	M27	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	18
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Ninković V., Vukobratović D., Mišković D., Zennaro M.: COMSPLIT: A Communication-Aware Split Learning Design for Heterogeneous IoT Platforms, IEEE Internet of Things Journal, 2024, Vol. 12, No. 5, pp. 5305-5319, ISSN 2327-4662

Spisak rezultata M28b - Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14

1. Kovačević M.: Associate Editor, IEEE Transactions on Information Theory, 2024, ISSN 0018-9448
2. Popović B., Janev M., Kopanja L.: Special Issue "Recent Advances of Computational and Mathematical Applications in Deep Learning" https://www.mdpi.com/journal/axioms/special_issues/5KW0JXO017, Axioms, 2024, ISSN 2075-1680

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Minja A., Šenk V.: Decoding of Linear Generalized Kerdock Codes, Mathematics, 2024, Vol. 12, No. 3, ISSN 2227-7390
2. Vuković M., Jakovetić D., Bajović D., Kar .: Nonlinear Consensus+Innovations under Correlated Heavy-Tailed Noises: Mean Square Convergence Rate and Asymptotics, SIAM Journal on Control and Optimization, Society for Industrial and Applied Mathematics, 2024, Vol. 62, pp. 376-399, ISSN 0363-0129

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Pinto H., Lazić I., Antonacci Y., Pernice R., Gu D., Bara C., Faes L., Rocha A.: Testing dynamic correlations and nonlinearity in bivariate time series through information measures and surrogate data analysis, Frontiers in Network Physiology, 2024, Vol. 4, ISSN 2674-0109
2. Simeon (Mihajlović) A., Radovanović M., Lončar-Turukalo T., Ceci M., Brdar S., Pio G.: Multi-class boosting for the analysis of multiple incomplete views on microbiome data, BMC Bioinformatics, 2024, Vol. 25, No. 1, ISSN 1471-2105

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Bajić D.: Information Theory, Living Systems, and Communication Engineering, Entropy, 2024, Vol. 26, No. 5-430, pp. 1-12, ISSN 1099-4300
2. Bondžulić B., Pavlović B., Stojanović N., Petrović V., Bujaković D.: A simple and reliable approach to providing a visually lossless image compression, The Visual Computer (Springer), 2024, Vol. 40, pp. 3747-3763, ISSN 14322315,01782789
3. Brestovački L., Golubović M., Bajić J., Joža A., Brkljač B., Rajs V.: A low-cost Raspberry Pi based imaging system for analysis of fiber specklegram sensors, Optical and Quantum Electronics, 2024, Vol. 56, No. 1261, pp. 1-13, ISSN 0306-8919
4. Devaja T., Petković M., Wang C., Beko M., Vukobratović D.: On Error Probability Analysis of Short-Packet Communications in Massive Internet of Things, IEEE Access, 2024, Vol. 12, pp. 67107-67116, ISSN 2169-3536
5. Galić J., Marković B., Grozdić D., Popović B., Šajić S.: Whispered Speech Recognition Based on Audio Data Augmentation and Inverse Filtering, Applied Sciences, 2024, Vol. 14, No. 18:8223, pp. 1-20, ISSN 2076-3417
6. Hou X., Breier J., Kovačević M.: Another Look at Side-Channel Resistant Encoding Schemes, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2024, Vol. 32, No. 7, ISSN 1063-8210
7. Iovino M., Lazić I., Lončar-Turukalo T., Javorka M., Pernice R., Faes L.: Comparison of automatic and physiologically-based feature selection methods for classifying physiological stress using heart rate and pulse rate variability indices, Physiological Measurement, 2024, Vol. 45, No. 11, ISSN 0967-3334
8. Knežev M., Čep R., Mejić L., Popović B., Antić A., Štrbac B., Živković A.: Applying the MIMO BP Neural Network and Cloud-Based Monitoring of Thermal Behavior for High-Speed Motorized Spindle Units, Machines, 2024, Vol. 12, No. 3:194, pp. 1-21, ISSN 2075-1702
9. Kovačević M., Pinelis I., Kountouris M.: An Information-Theoretic Analog of the Twin Paradox, Europhysics Letters / EPL, 2024, Vol. 146, No. 4, ISSN 0295-5075
10. Nikić V., Bortnik D., Lukić M., Vukobratović D., Mezei I.: Lightweight Digit Recognition in Smart Metering System Using NB-IoT and Federated Learning, Future Internet, 2024, Vol. 16, No. 11, ISSN 1999-5903
11. Simić N., Suzić S., Milošević N., Stanojević V., Nosek (Delić) T., Popović B., Bajović D.: Enhancing Emotion

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Kljajić D., Đurić N., Škorić (Ćeranić) T., Đurić S.: The exposure analysis of the long-term broadband EMF monitoring in the campus area of the University of Novi Sad, *Radiation Protection Dosimetry*, 2024, Vol. 200, No. 9, pp. 848-861, ISSN 0144-8420

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

1. Kovačević M.: Associate Editor, *IEEE Transactions on Information Theory*, 2024, ISSN 0018-9448

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Devaja T., Petković M., Beko M., Vukobratović D.: Analysis of Massive IoT Networks in Nearest and Macro Diversity Reception Regime, 32. *Telekomunikacioni forum TELFOR*, Beograd: IEEE, 26-27 November, 2024, pp. 1-8, ISBN 979-8-3503-9106-0
2. Sečujski M., Popović B., Pekar D., Jakovljević N., Pakoci E., Suzić S., Nosek (Delić) T., Simić N., Stanojević V., Delić V.: Retrospective and Perspectives of TTS & STT Technology Development and Implementation for South Slavic Under-Resourced Languages, *Lecture Notes in Artificial Intelligence*, 2024, Vol. 1, pp. 23-42, ISSN 0302-9743, 26. *SPECOM International Conference on Speech and Computer*, Beograd: Springer, 25-28 November, 2024, pp. 23-42, ISBN 978-3-031-77960-2

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Brkljač B., Brkljač M., Antić B.: Computer vision gateway for real-time on-site analytics in smart cities and peri-urban agriculture, 1. *International Scientific and Professional Conference - ALFATECH – Smart cities and modern technologies*, Beograd: Faculty of Information Technologies, Alfa BK University, Belgrade, Serbia (<https://alfa.edu.rs/wp-content/uploads/2024/07/Proceedings-of-Alfatech-Conference.pdf>), 15 March, 2024, pp. 306-318, ISBN 978-86-6461-074-2, UDK: 004.89:71, 711.45:004.7
2. Devaja T., Petković M., Beko M., Vukobratović D.: Performance Analysis of UAV-Assisted RF-UOWC Systems, 7. *International Balkan Conference on Communications and Networking - BalkanCom*, Ljubljana: IEEE, 3-6 June, 2024, ISBN 979-8-3503-6595-5
3. Devaja T., Šobot S., Petković M., Beko M., Vukobratović D.: Relay-aided Slotted Aloha for UAV-Assisted Mixed UOWC-RF Systems, 14. *International Symposium on Communication Systems, Networks, and Digital Signal Processing - CSNDSP*, Rim: IEEE, 17-19 July, 2024, ISBN 979-8-3503-4874-3
4. Djordjevic G., Milosevic N., Petković M., Vasic B., Milic D., Vasic B.: A Numerical Method for Estimating Error Rate Performance of MPSK System influenced by Fisher-Snedecor Fading, 11. *International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš, 3-6 June, 2024, ISBN 979-8-3503-8699-8
5. Đurkić T., Simić N., Suzić S., Bajović D., Perić Z., Delić V.: Multimodal Emotion Recognition Using Compressed Graph Neural Networks, *Lecture notes in computer science*, 2024, pp. 109-121, ISSN 0302-9743, 26. *SPECOM International Conference on Speech and Computer*, Beograd: Springer, 25-28 November, 2024, pp. 109-121, ISBN 978-3-031-77960-2
6. Galić J., Mladen M., Gardašević G., Petković M., Malčić B., Šajić S.: A Study on Audio Signal Quality Assessment in Visible Light Communication, 7. *International Balkan Conference on Communications and Networking - BalkanCom*, Ljubljana: IEEE, 3-6 June, 2024, ISBN 979-8-3503-6595-5
7. Katzis K., Evetović N., Cloteaux B., Sayrafiyan K., Bajić D.: Evaluation of LoRaWAN for Remote Health Monitoring: A Preliminary Study, 10. *IEEE CSCN - Conference on Standards for Communications and Networking*, Beograd: IEEE, 25-27 November, 2024
8. Kljajić J., Đukić N., Lazić I., Lončar-Turukalo T., Boban J., Rapaić M., Jakovljević N.: SegFormer Model in Mammography Lesion Segmentation: A Study on the Impact of GLAM Saliency Maps, 11. *International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Društvo Etran, 3-6 June, 2024, ISBN 979-8-3503-8699-8
9. Lazić I., Mijatović G., Iovino M., Lončar-Turukalo T., Faes L.: A Classification Method based on Local Information and Nearest Neighbor Entropy Estimation, 22. *Mediterranean Electrotechnical Conference MELECON*, Porto: IEEE, 25-27 June, 2024, pp. 311-316
10. Ninković V., Kundačina O., Vukobratović D., Häger C., Graell i Amat A.: Decoding Quantum LDPC Codes Using Graph Neural Networks, 43. *IEEE Global Communications Conference - GLOBECOM*, Cape Town: IEEE, 8-12 December, 2024, pp. 3479-3484, ISBN 979-8-3503-5125-5

11. Ninković V., Vukobratović D., Mišković D.: UAV-assisted Distributed Learning for Environmental Monitoring in Rural Environments, *7. International Balkan Conference on Communications and Networking - BalkanCom*, Ljubljana: IEEE, 3-6 June, 2024, pp. 296-300, ISBN 979-8-3503-6595-5
12. Nosek (Delić) T., Suzić S., Sečujski M., Stanojev V., Pekar D., Delić V.: End-to-End Speech Synthesis for the Serbian Language Based on Tacotron, Lecture Notes in Artificial Intelligence, 2024, Vol. 1, pp. 219-229, ISSN 0302-9743, *26. SPECOM International Conference on Speech and Computer*, Beograd: Springer, 25-28 November, 2024, pp. 219-229, ISBN 978-3-031-77960-2
13. Petković M., Vegni A., Orallo E., Manzoni P., Vukobratović D.: Novel Design of Two-Tier Slotted-ALOHA OWC/RF IoT Networks with Adaptive Control, *14. International Symposium on Communication Systems, Networks, and Digital Signal Processing - CSNDSP*, Rim: IEEE, 17-19 July, 2024, ISBN 979-8-3503-4874-3
14. Radović L., Turović R., Đurić N., Škorić (Ćeranić) T., Kljajić D.: ML-based Detection of Radiation Azimuth Changes of Base Station, *7. IEEE International Symposium on Measurements and Networking - M&N*, Rim: IEEE Instrumentation and Measurement Society, 2-5 July, 2024, pp. 1-5, ISBN 979-8-3503-7053-9
15. Suzić S., Martín-Morató I., Simić N., Charitha R., Heittola T., Stanojev V., Bajović D.: UNS Exterior Spatial Sound Events dataset for urban monitoring, *32. EUSIPCO, European Signal Processing Conference*, Lion, 26-30 August, 2024, pp. 176-180, ISBN 978-9-4645-9361-7
16. Škorić (Ćeranić) T., Bajić D.: Machine Learning-Based Detection of Driver Distraction by Capacitive Electrocardiogram Signals, *23. International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina, 20-22 March, 2024, pp. 1-4, ISBN 979-8-3503-2994-0
17. Škorić (Ćeranić) T., Đermanović M., Kljajić J., Spasojević S., O' Toole J.: Early Prediction of Electrographic Seizures in Neonatal Hypoxic-ischemic Encephalopathy Based on Amplitude-integrated EEG and Clinical Data, *32. EUSIPCO, European Signal Processing Conference*, Lion: IEEE, 26-30 August, 2024, pp. 1581-1585
18. Vegni A., Manzoni P., Petković M.: IRON: an Integrated RF-OWC System for Interoperability in IoT Systems, *7. International Balkan Conference on Communications and Networking - BalkanCom*, Ljubljana: IEEE, 3-6 June, 2024, ISBN 979-8-3503-6595-5

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Delić V.: Retrospective and perspectives of the development and applications of speech technologies for Serbian and kindred languages, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik, 10-13 March, 2024
2. Iovino M., Lazić I., Bara C., Faes L., Pernice R.: Conditional Mutual Information-based Feature Selection for Sex Differences Characterization, *13. ESGCO (European Study Group for Cardiovascular Oscillations)*, Saragosa: IEEE, 23-25 October, 2024, pp. 1-2, ISBN 979-8-3503-9205-0
3. Lugonja P., Nikolić Lugonja T., Pejak B., Brkljač B., Brdar S., Crnojević V.: A decade of crop monitoring through remote sensing: Insights into climate change impacts on crop practice, case studies Vojvodina from 2013-2023 (Oral Presentation - OR4-01), *9. The International Bioscience Conference and the 9th Joint International PSU-UNS Bioscience Conference 2024*, Hat-Yai: Faculty of Science, Prince of Songkla University (<https://ibsc2024.sci.psu.ac.th/> ; <https://ibsc2024.sci.psu.ac.th/file/IBSC2024-AbstractBook-20241028.pdf>), 28-29 October, 2024, pp. 56-57

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Karpov A., Delić V.: Speech and Computer - 26th International Conference SPECOM 2024, Belgrade, Serbia, November 25-28, 2024, Proceedings, Part I; Lecture Notes in Artificial Intelligence, LNAI 15299 <https://link.springer.com/book/10.1007/978-3-031-77961-9>, *26. SPECOM International Conference on Speech and Computer*, Beograd: Springer Nature Switzerland AG 2025, 25-28 November, 2024, pp. 1-395, ISBN 978-3-031-77960-2
2. Karpov A., Delić V.: Speech and Computer - 26th International Conference SPECOM 2024, Belgrade, Serbia, November 25-28, 2024, Proceedings, Part II; Lecture Notes in Artificial Intelligence, LNAI 15300 <https://link.springer.com/book/10.1007/978-3-031-78014-1>, *26. SPECOM International Conference on Speech and Computer*, Beograd: Springer Nature Switzerland AG 2025, 25-28 November, 2024, pp. 1-381, ISBN 978-3-031-78013-4

Spisak rezultata M45 - Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina

1. Delić V.: Razvoj govornih asistenata i njihove primene u pametnim kućama i pametnim gradovima, Zbornik radova 2022/2023 „Serija stručnih predavanja posvećenih unapređenju projektovanja telekomunikacionih mreža i sistema“, Urednik Mirjana Jarić-Čirić, Beograd, zdavač FTTH udruženje Srbija, 2024, str. 202-213, ISBN 978-86-905152-1-9

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

1. Damnjanović M., Cvetičanin S., Strezoski L., Dumnić B., Vukobratović D., Sovilj P., Đurić N.: PROMOCIJA STUDIJSKIH PROGRAMA DEPARTMANA ZA ENERGETIKU, ELEKTRONIKU I TELEKOMUNIKACIJE, 30. Skup "Trendovi razvoja" - TREND, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 256-259, ISBN 978-86-6022-635-0
2. Minja A., Šenk V.: Successive Cancellation Decoding of $\mathbb{Z}_{2^S}$ Splitting Codes, 23. International Symposium INFOTEH-JAHORINA (INFOTEH), Jahorina: IEEE, 20-22 Mart, 2024, ISBN 979-8-3503-2994-0
3. Nosek (Delić) T., Suzić S., Pekar D., Delić V., Sečujski M.: Sinteza govora na srpskom jeziku – poređenje end-to-end modela i modela sa jezičkom obradom teksta, 30. YU INFO, Kopaonik: Informaciono društvo Srbije, 10-13 Mart, 2024, pp. 178-181, ISBN 978-86-85525-31-5
4. Suzić S., Pekar D., Popović B., Nosek (Delić) T., Pakoci E., Delić V.: Automatsko prepoznavanje govora na srpskom jeziku – poređenje sistema baziranog na whisper-u i konvencionalnog sistema sa jezičkim modelom, 30. YU INFO, Kopaonik: Informaciono društvo Srbije, 10-13 Mart, 2024, pp. 174-177, ISBN 978-86-85525-31-5

Spisak rezultata M71 - Odbranjena doktorska disertacija

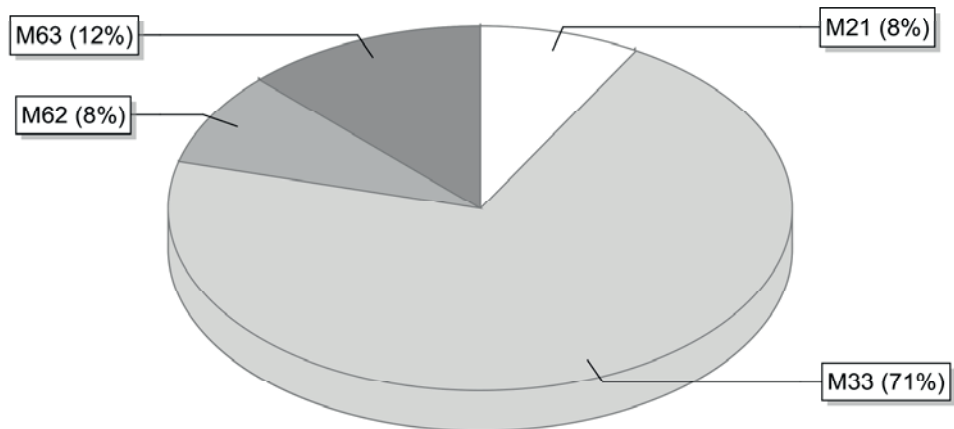
1. Ninković V.: Machine learning-based improvement of the physical layer design in wireless communication systems, Univerzitet u Novom Sadu, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za električna merenja

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	17
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu	M62	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Bulat M., Mirković S., Gazivoda N., Pejić D., Urekar M., Antić B.: An improved algorithm for the estimation of the root mean square value as an optimal solution for commercial measurement equipment, *Microprocessors and Microsystems*, 2024, Vol. 106, No. 105042, pp. 1-10, ISSN 0141-9331, UDK: ISSN
2. Šaš M., Vukajlović N., Pejić D., Milićević D., Novaković Đ., Gazivoda N.: Use of integrative ADC for Electrochemical Impedance Spectroscopy of supercapacitor module under high interference conditions, *Journal of Energy Storage*, 2024, Vol. 104, ISSN 2352-152X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Babić M., Urekar M., Komad J.: Protection against charged capacitors for capacitance measurement devices, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 150-152, ISBN 978-86-6200-001-9
2. Bratić S., Prosenica Đ., Gajić Lj., Terzić S., Kasapović S., Urekar M.: Comparing Filter Efficiency: Complementary vs. Kalman Filters on Accelerometer and Gyroscope Signals, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 111-116, ISBN 978-86-6200-001-9
3. Brestovački L., Gotovac Z., Bajić J., Golubović M., Joža A., Vujičić B.: Comparative evaluation of Oscilloscope devices for reasearch laboratory usage, *32. Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024
4. Brestovački L., Gotovac Z., Rajs V.: Affordable Raspberry Pi based oscilloscope, *23. International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina, 20-22 March, 2024, ISBN 978-99976-996-2-6
5. Brkljač B., Brkljač M., Antić B.: Computer vision gateway for real-time on-site analytics in smart cities and peri-urban agriculture, *1. International Scientific and Professional Conference - ALFATECH – Smart cities and modern technologies*, Beograd: Faculty of Information Technologies, Alfa BK University, Belgrade, Serbia (<https://alfa.edu.rs/wp-content/uploads/2024/07/Proceedings-of-Alfatech-Conference.pdf>), 15 March, 2024, pp. 306-318, ISBN 978-86-6461-074-2, UDK: 004.89:71, 711.45:004.7
6. Gajić Lj., Prosenica Đ., Terzić S., Bratić S., Marković D., Urekar M.: Integration of Hardware and Software in impedance analysis application, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 146-149, ISBN 978-86-6200-001-9
7. Kršić N., Urekar M.: Smart packaging, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 89-93, ISBN 978-86-6200-001-9
8. Marković D., Đurđević A., Prosenica Đ., Terzić S., Gajić Lj., Urekar M.: Analysis of the Impact of Passive Component Tolerances on Active Twin-T Notch Filter, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 134-139, ISBN 978-86-6200-001-9
9. Mastelica J., Urekar M.: Central measurement system for smart parks in the concept of Industry 4.0, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 125-128, ISBN 978-86-6200-001-9
10. Pavlović J., Urekar M.: Smart terrarium for reptiles - Bearded dragon lizard, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 140-145, ISBN 978-86-6200-001-9
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12. Prosenica Đ., Gajić Lj., Terzić S., Bratić S., Marković D., Urekar M.: The monitoring system for Imperial Eagles within the concept of Industry 4.0, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 129-133, ISBN 978-86-6200-001-9
13. Rozić M., Urekar M.: Measuring system for EEG analysis of brain impulses and visual interpretation of dreams using AI, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 121-124, ISBN

14. Terzić S., Bratić S., Prosenica Đ., Gajić Lj., Marković D., Urekar M.: A novel method of applying external hardware to instruments in order to achieve guarding, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 99-104, ISBN 978-86-6200-001-9
15. Tomić J., Kušljević M., Gazivoda N., Sovilj P.: MULTITHREADED PROGRAMMING IN LABVIEW MEASURING APPLICATIONS, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Academic Mind, 3-6 June, 2024, ISBN 978-86-7466-952-5
16. Tomić J., Kušljević M., Gazivoda N., Sovilj P.: PREDICTION OF CONCENTRATION OF PM2.5 IN SMART CITIES USING MACHINE LEARNING, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Academic Mind, 3-6 June, 2024, ISBN 978-86-7466-952-5
17. Vasilić V., Urekar M.: Ethical issues of artificial intelligence in modern metrology in the context of Industry 4.0, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: ETRAN Society, Belgrade and Academic Mind, Belgrade, 3-6 June, 2024, pp. 117-120, ISBN 978-86-6200-001-9

Spisak rezultata M62 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u izvodu

1. Urekar M.: Jonizujuće zračenje i zaštita: merenje radioaktivnosti, *10. Merno-informacione tehnologije (MIT)*, Novi Sad: FTN Novi Sad, 5-10 Decembar, 2024, pp. 1-1
2. Urekar M.: Merenje dinamičkog nivoa šuma EEG uređaja stohastičkom metodom, *1. Brain Awareness week (BAW)*, Novi Sad: FTN Novi Sad, 11-15 Mart, 2024, pp. 1-7

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

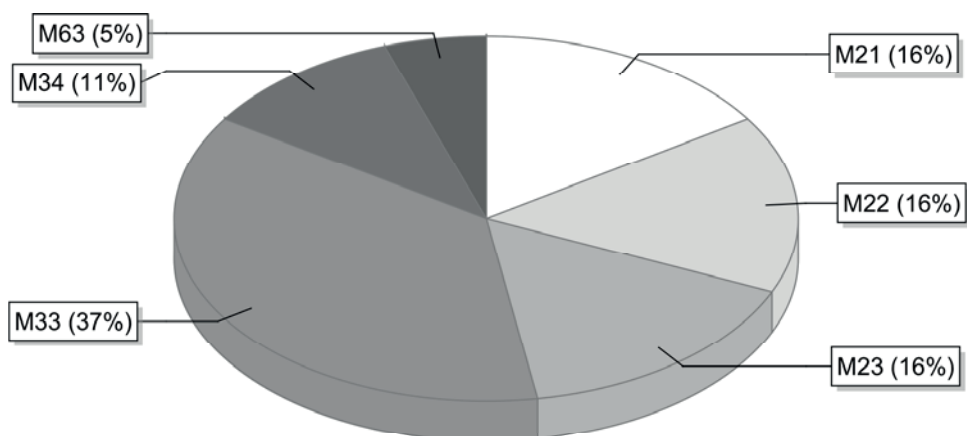
1. Damjanović M., Cvetičanin S., Strezoski L., Dumnić B., Vukobratović D., Sovilj P., Đurić N.: PROMOCIJA STUDIJSKIH PROGRAMA DEPARTMANA ZA ENERGETIKU, ELEKTRONIKU I TELEKOMUNIKACIJE, *30. Skup "Trendovi razvoja" - TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 256-259, ISBN 978-86-6022-635-0
2. Đorđević Kozarov J., Sovilj P., Stojanović M., Simić M., Urekar M., Dinčić M., Živanović D.: Obrada elektrogastrografskih signala snimljenih trokanalnim elektrogastrogramom, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Društvo za ETRAN, Beograd i Akademska misao, Beograd, 3-6 Jun, 2024, pp. 183-186, ISBN 978-86-6200-002-6
3. Šaš M., Vukajlović N., Pejić D., Grbić T.: Analiza potiskivanja šuma primenom integrišućeg analogno-digitalnog konvertora, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Društvo za ETRAN, 3-6 Jun, 2024, pp. 193-196, ISBN 978-86-6200-002-6

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorijsku elektrotehniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	3
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Dautović S., Samardžić N., Juhas A., Ascoli A., Tetzlaff R.: Analytical Solutions for Charge and Flux in HP Ideal Generic Memristor Model with Joglekar and Prodromakis Window Functions, *IEEE Access*, 2024, Vol. 12, pp. 94870-94884, ISSN 2169-3536
2. Đurić N., Kljajić D., Pasquino N., Otašević V., Đurić S.: Extraction of Concealed Features from RF-EMF Monitoring at Kindergartens and Schools, *IEEE Access*, 2024, Vol. 12, pp. 1-15, ISSN 2169-3536
3. Mijatović G., Sparacino L., Antonacci Y., Javorka M., Marinazzo D., Stramaglia S., Faes L.: Assessing High-Order Links in Cardiovascular and Respiratory Networks via Static and Dynamic Information Measures, *IEEE Open Journal of Engineering in Medicine and Biology*, 2024, Vol. 5, pp. 846-858, ISSN 2644-1276

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Herceg D., Rajs V., Despotović Ž., Popadić B., Šiljegović M., Kiraly Z., Vizvari Z., Wizner K., Felde I., Odry P., Tadić V.: Double-Layer Coils Design for 11 kW Wireless Power Transfer, *Electronics (Basel)*, 2024, ISSN 2079-9292
2. Rajs V., Herceg D., Despotović Ž., Miroslav B., Šiljegović M., Popadić B., Odry P., Tadić V.: Dead-Time Effect in Inverters on Wireless Power Transfer, *Electronics (Basel)*, 2024, Vol. 13, No. 2, ISSN 2079-9292
3. Šiljegović M., Cvejić Ž., Jankov S., Tot (rođ. Đurđić) E., Herceg D., Peter O., Tadić V.: Impedance and Dielectric Analysis of Nickel Ferrites: Revealing the Role of the Constant Phase Element and Yttrium Doping, *Electronics (Basel)*, 2024, Vol. 13, ISSN 2079-9292

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Kasaš-Lažetić K., Milutinov M., Spasić (Gavrilov) T., Mijatović G.: Analysis of four circular coil configuration for uniformly distributed magnetic field generation, *Facta universitatis - series: Electronics and Energetics*, 2024, Vol. 37, No. 3, pp. 423-435, ISSN 0353-3670
2. Kljajić D., Đurić N., Kasaš-Lažetić K., Milutinov M., Đurić S.: Contribution of mobile communication technologies to EMF exposure in the University of Novi Sad campus area, *The Applied Computational Electromagnetics Society*, 2024, Vol. 39, No. 7, pp. 593-605, ISSN 1054-4887
3. Kljajić D., Đurić N., Škorić (Ćeranić) T., Đurić S.: The exposure analysis of the long-term broadband EMF monitoring in the campus area of the University of Novi Sad, *Radiation Protection Dosimetry*, 2024, Vol. 200, No. 9, pp. 848-861, ISSN 0144-8420

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Antonacci Y., Sparacino L., Vergara V., Mijatović G., Pernice R., Faes L.: Assessment of EEG Brain Dynamics in Time and Frequency Domains through Information-Theoretic Measures, *22. Mediterranean Electrotechnical Conference MELECON*, Porto: IEEE, 25-27 June, 2024, pp. 305-310
2. Damjanović M., Kisić M., Milutinov M., Bodić M., Aleksić S.: Influence of Number of Turns on Common-Mode Choke's Characteristics, *47. International Spring Seminar on Electronics Technology - ISSE*, Prag: IEEE, 15-19 May, 2024, pp. 1-5, ISBN 979-8-3503-8548-9
3. Đurić N., Kljajić D., Pasquino N., Solmonte N., Đurić S.: Time Variability Analysis of RF-EMF Data from Continuous Monitoring Systems, *5. IEEE International Conference on Emerging Trends in Electrical, Electronic and Communications Engineering - ELECOM*, Mauricijus: The University of Mauritius, 20-22 November, 2024, pp. 52-57, ISBN 979-8-3315-3247-5
4. Lazić I., Mijatović G., Iovino M., Lončar-Turukalo T., Faes L.: A Classification Method based on Local Information and Nearest Neighbor Entropy Estimation, *22. Mediterranean Electrotechnical Conference MELECON*, Porto: IEEE, 25-27 June, 2024, pp. 311-316
5. Milutinov M., Bjelica J., Kljajić D., Đurić N., Đurić S., Pasquino N.: Verification Measurements of EMF near Kindergarten as an Increased Sensitivity Area, *7. IEEE International Symposium on Measurements and Networking - M&N*, Rim: IEEE Instrumentation and Measurement Society, 2-5 July, 2024, pp. 1-6, ISBN 979-8-3503-7053-9
6. Pasquino N., Solmonte N., Đurić N., Kljajić D., Đurić S.: Model-Based Clustering of RF-EMF Monitoring Data to Analyze Time Variability, *7. IEEE International Symposium on Measurements and Networking - M&N*, Rim: IEEE Instrumentation and Measurement Society, 2-5 July, 2024, pp. 1-6, ISBN 979-8-3503-7053-9
7. Radović L., Turović R., Đurić N., Škorić (Ćeranić) T., Kljajić D.: ML-based Detection of Radiation Azimuth Changes of Base Station, *7. IEEE International Symposium on Measurements and Networking - M&N*, Rim: IEEE Instrumentation and Measurement Society, 2-5 July, 2024, pp. 1-5, ISBN 979-8-3503-7053-9

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Faes L., Mijatović G., Bari V., Porta A.: An Information Decomposition Strategy to Dissect Dynamic Short-Term Cardiovascular and Cerebrovascular Interactions, *13. ESGCO (European Study Group for Cardiovascular Oscillations)*, Saragosa, 23-25 October, 2024, pp. 1-2
2. Mijatović G., Bjelica J., Javorka M., Stramaglia S., Faes L.: Exploring Higher-Order Interactions at Different Resolutions in Cardiovascular Dynamic Networks, *13. ESGCO (European Study Group for Cardiovascular Oscillations)*, Saragosa: IEEE, 23-25 October, 2024, pp. 1-2

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

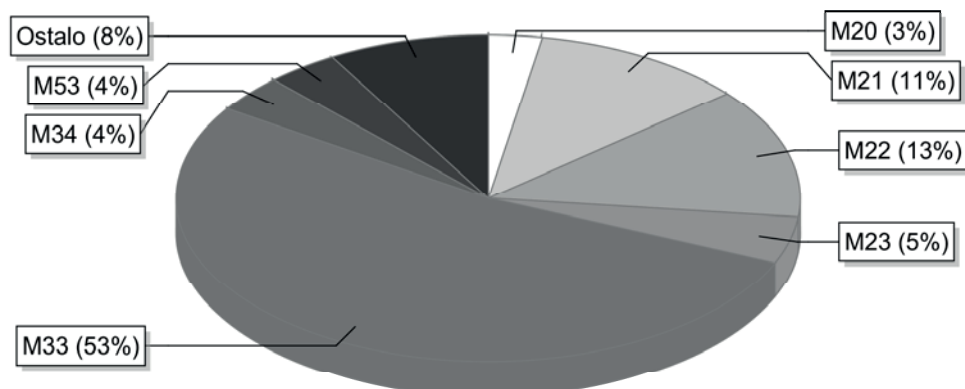
1. Damnjanović M., Cvetičanin S., Strezoski L., Dumnić B., Vukobratović D., Sovilj P., Đurić N.: PROMOCIJA STUDIJSKIH PROGRAMA DEPARTMANA ZA ENERGETIKU, ELEKTRONIKU I TELEKOMUNIKACIJE, *30. Skup "Trendovi razvoja" - TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom sadu, 7-10 Februar, 2024, pp. 256-259, ISBN 978-86-6022-635-0

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za računarstvo i automatiku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	2
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	3
Rad u vodećem međunarodnom časopisu kategorije M21	M21	12
Rad u međunarodnom časopisu kategorije M22	M22	14
Rad u međunarodnom časopisu kategorije M23	M23	5
Rad u vodećem nacionalnom časopisu kategorije M24	M24	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	57
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Rad u nacionalnom časopisu kategorije M53	M53	4
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Odbranjena doktorska disertacija	M71	2

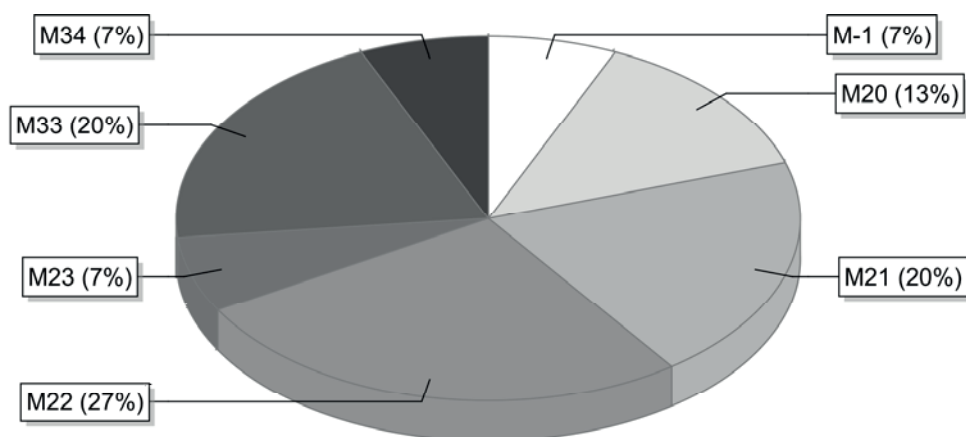


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za automatsko upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u vodećem međunarodnom časopisu kategorije M21	M21	3
Rad u međunarodnom časopisu kategorije M22	M22	4
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Milošević A., Šimunović G., Kanović Ž., Šimunović K., Santoši Ž., Šokac M., Vukelić Đ.: Comprehensive evaluation of dimensional deviation, flank wear, surface roughness and material removal rate in dry turning of C45 steel, *Facta universitatis - series: Mechanical Engineering*, 2024, Vol. 22, No. 4, pp. 547-566, ISSN 0354-2025

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Kovačić I., Kanović Ž., Rajs V., Teofanov Lj., Zhu R.: Reaching a desirable metastructures for passive vibration attenuation by using a machine learning approach, *Nonlinear Dynamics*, 2024, Vol. 112, pp. 20661-20676, ISSN 0924-090X
2. Švenda G., Erdeljan A., Manojlović I., Gavrić M., Čapko D.: Cumulant Learning: Highly Accurate and Computationally Efficient Load Pattern Recognition Method for Probabilistic STLF at the LV Level Manuscript number: TSG-00412-2024 Date of Publication: 16. October 2024 Print ISSN: 1949-3053 Electronic ISSN: 1949-3061 DOI: 10.1109/TSG.2024.3481894 Site Early Access: <https://ieeexplore.ieee.org/document/10720032>, IEEE Transaction on Smart Grid, 2024, ISSN 1949-3053

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Kamenko I.: Modeling and Optimization of Triticale Wort Production Using an Artificial Neural Network and a Genetic Algorithm, *Foods*, 2024, Vol. 13, No. 2, pp. 343-343, ISSN 2304-8158
2. Pavlović M., Ilić S., Ralević N., Antonić N., Raffa D., Michele B., Čulibrk D.: A Deep Learning Approach to Estimate Soil Organic Carbon from Remote Sensing, *Remote Sensing*, 2024, Vol. 16, No. 655, pp. 1-21, ISSN 2072-4292
3. Todorović I., Vekić M., Rapaić M., Todorović I., Grabić S.: Decentralized self-stabilizing primary control of microgrids, *International Journal of Electrical Power & Energy Systems*, 2024, Vol. 155, ISSN 0142-0615

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Ana V., Obrovski B., Vukmirović S., Radić J., Mihajlović I.: Statistical tools for municipal wastewater treatment plant efficiency evaluation, *International Journal of Environmental Science and Technology*, 2024, ISSN 1735-1472
2. Knežević A., Arsenović J., Garipi E., Platiša N., Savić A., Aleksandrić T., Popović D., Subić L., Milenović N., Simić-Panić D., Budinski S., Pasternak J., Manojlović V., Jeremić-Knežević M., Radović (Kapetina) M., Jeličić Z.: Machine Learning Model for Predicting Walking Ability in Lower Limb Amputees, *Journal of Clinical Medicine*, 2024, Vol. 13, No. 22, pp. 1-20, ISSN 2077-0383
3. Medić S., Atanacković-Jeličić J., Rapaić M.: Advancing Social and Economic Sustainability in Urban Areas: A Methodology for Determining Architectural Programs of Shopping Centers, *Sustainability*, 2024, Vol. 16, No. 8, pp. 3264-3264, ISSN 2071-1050
4. Vekić M., Rapaić M., Todorović I., Grabić S.: Decentralized Goal-Function-Based Microgrid Primary Control with Voltage Harmonics Compensation, *Energies*, 2024, Vol. 17, No. 19, ISSN 1996-1073

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Ecet D., Atanacković-Jeličić J., Rapaić M., Pejić S.: School buildings layout: Enhancing resilience to targeted violence utilizing cellular automata (CA), *International Journal of Architectural Computing*, 2024, ISSN 1478-0771

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Batilović M., Sušić Z., Marković M., Kanović Ž., Vujinović M.: Investigating the efficacy of IWST method using Monte Carlo simulations: case study for pipeline of Perućica hydroelectric power plant, 9. *Građevinarstvo nauka i praksa*, Kolašin: University of Montenegro, Faculty of Civil Engineering, 5-9 March, 2024, ISBN 978-86-82707-36-3
2. Kljajić J., Đukić N., Lazić I., Lončar-Turukalo T., Boban J., Rapaić M., Jakovljević N.: SegFormer Model in Mammography Lesion Segmentation: A Study on the Impact of GLAM Saliency Maps, 11. *International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Društvo Etran, 3-6 June, 2024, ISBN 979-8-3503-8699-8
3. Senjak Pejić M., Terzić M., Stanojević D., Peško I., Petrović (Đogo) M., Radović (Kapetina) M., Mučenski V.: ESTIMATING QUANTITIES OF CONSTRUCTION AND DEMOLITION WASTE FOR RECYCLING USING MACHINE LEARNING MODELS, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 875-882, ISBN 978-86-82707-36-3

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

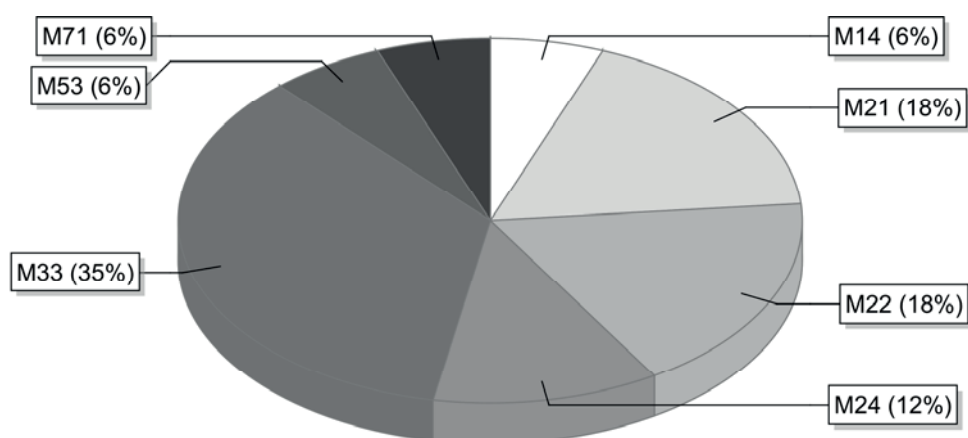
1. Senjak Pejić M., Peško I., Petrović (Đogo) M., Terzić M., Stanojević D., Radović (Kapetina) M., Mučenski V.: ESTIMATION OF CONCRETE AMOUNT FROM EXISTING BUILDINGS FOR PRODUCTION OF GREEN CONCRETE USING ARTIFICIAL INTELLIGENCE, 4. *4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 5-6 December, 2024, pp. 24-24, ISBN 978-86-6022-715-9

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za sisteme, signale i upravljanje

Zbirni pregled naučno istraživačkih rezultata u 2024. 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 vodećem međunarodnom časopisu kategorije M21	M21	3
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u vodećem nacionalnom časopisu kategorije M24	M24	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	6
Rad u nacionalnom časopisu kategorije M53	M53	1
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

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

1. Gavrilović M., Jovanović D., Govedarica M.: Object Detection in Precision Viticulture Based on UAV Images and Artificial Intelligence, Cham, Springer Nature, 2024, str. 144-148, ISBN 978-3-031-60840-7

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Gavrilović M., Jovanović D., Božović P., Benka P., Govedarica M.: Vineyard Zoning and Vine Detection Using Machine Learning in Unmanned Aerial Vehicle Imagery, Remote Sensing, 2024, Vol. 16, No. 3, pp. 584-608, ISSN 2072-4292
2. Jakovljević G., Taboada F., Govedarica M.: Long-Term Monitoring of Inland Water Quality Parameters Using Landsat Time-Series and Back-Propagated ANN: Assessment and Usability in a Real-Case Scenario, Remote Sensing, 2024, Vol. 16, No. 1, ISSN 2072-4292
3. Stanišić D., Mejić L., Jorgovanović B., Ilić V., Jorgovanović N.: An Algorithm for Soft Sensor Development for a Class of Processes with Distinct Operating Conditions, Sensors, 2024, Vol. 24, No. 1948, pp. 1-16, ISSN 1424-8220

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Knežev M., Čep R., Mejić L., Popović B., Antić A., Štrbac B., Živković A.: Applying the MIMO BP Neural Network and Cloud-Based Monitoring of Thermal Behavior for High-Speed Motorized Spindle Units, Machines, 2024, Vol. 12, No. 3:194, pp. 1-21, ISSN 2075-1702
2. Petrović V., Jovanović D., Borisov M., Bugarinović Ž., Gavrilović M., Ilić Z., Lukić D.: Model for Automated Generation of DTM with Hybrid Data Structure Using Point Clouds, Tehnički vjesnik - Technical Gazette, 2024, Vol. 31, No. 4, ISSN 1330-3651
3. Tomašević O.: Depth-Sensing-Based Algorithm for Chest Morphology Assessment in Children with Cerebral Palsy, Sensors, 2024, Vol. 24, No. 17, ISSN 1424-8220

Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

1. Maravić N., Došen S., Gašparić F., Hofer C., F. Russold M., Koppe M., Gonzalez-Vargas J., Jorgovanović N., Stanišić D.: FEEBY: A Flexible Framework for Fast Prototyping and Assessment of Vibrotactile Feedback for Hand Prostheses, IEEE Transactions on Medical Robotics and Bionics, 2024, Vol. 6, No. 2, pp. 746-756, ISSN 2576-3202
2. Petrović V., Krstić V., Borisov M., Ilić A., Dobrisavljević A.: Comparison of DEMs generated using different data sources at a mountain site, Facta Universitatis, Series: Architecture and Civil Engineering, 2024, Vol. 22, No. 3, pp. 293-308, ISSN 0354-4605, UDK: 528.4:004

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bugarinović Ž., Gavrilović M., Ristić A., Šarkanović Bugarinov M., Radulović A., Govedarica M.: Detection of Hyperbolic Reflections on Real GPR Data using YOLO Model Trained with Synthetic Data, 47. International Conference on Telecommunications and Signal Processing, Novi Sad, 10-12 July, 2024, pp. 40-44
2. Gavrilović M., Ruskovski I., Bugarinović Ž., Jovanović D., Govedarica M.: Integration of ResUNet and YOLO Algorithms Into a Unified Model for Objects Detection, BOOK OF PROCEEDINGS INTERNATIONAL SCIENTIFIC CONFERENCE ON CONTEMPORARY THEORY AND PRACTICE IN CONSTRUCTION, 2024, Vol. 1, No. 16, pp. 571-584, ISSN 2566-4484, 16. Savremena teorija i praksa u graditeljstvu, Banja Luka: University of Banja Luka, 13-14 June, 2024, pp. 571-584
3. Marinković D., Živković A., Mladenović C., Knežev M., Mejić L., Savković B.: Analysis of the influence of the cutting regimes on the quality of the machining surface in turning process, 15. International Scientific Conference "Flexible Technologies" - MMA, Novi Sad: Faculty of technical sciences, Department of production engineering, 24-26 September, 2024, pp. 35-38, ISBN 978-86-6022-681-7
4. Miloš B., Jovanović D.: Sentinel-1 SAR interferometry for terrain monitoring: A case study of mine dynamics, 11. International Scientific Conference on Defensive Technologies - OTEH, Tara: The Military Technical Institute, 9-11 October, 2024, ISBN 978-86-81123-94-2
5. Ristić A., Bugarinović Ž., Vrtunski M., Radulović A., Šarkanović Bugarinov M., Jovanović D.: Detection of District Heating Pipeline Using UAV-Mounted Thermal Camera and GPR Scanning, BOOK OF PROCEEDINGS INTERNATIONAL SCIENTIFIC CONFERENCE ON CONTEMPORARY THEORY AND PRACTICE IN CONSTRUCTION, 2024, Vol. 1, No. 16, pp. 638-644, ISSN 2566-4484, 16. Savremena teorija i praksa u graditeljstvu, Banja Luka, 13-14 June, 2024, pp. 638-644
6. Santrač N., Batilović M., Marković M., Govedarica M., Benka P.: Application of close-range uav

photogrammetry in the detection of cracks on facade, BOOK OF PROCEEDINGS INTERNATIONAL SCIENTIFIC CONFERENCE ON CONTEMPORARY THEORY AND PRACTICE IN CONSTRUCTION, 2024, Vol. 1, No. 16, pp. 637-646, ISSN 2566-4484, 16. *Savremena teorija i praksa u graditeljstvu*, Banja Luka: University of Banja Luka Faculty of Architecture, Civil Engineering and Geodesy, 13-14 June, 2024, pp. 637-646, ISBN 978-99976-978-4-4

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Pjevac M., Borisov M.: Konformne projekcije za Republiku Srbiju sa najmanjim apsolutnim linearnim deformacijama, Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 10, pp. 1504-1507, ISSN 0350-428X, UDK: 528.7

Spisak rezultata M71 - Odbranjena doktorska disertacija

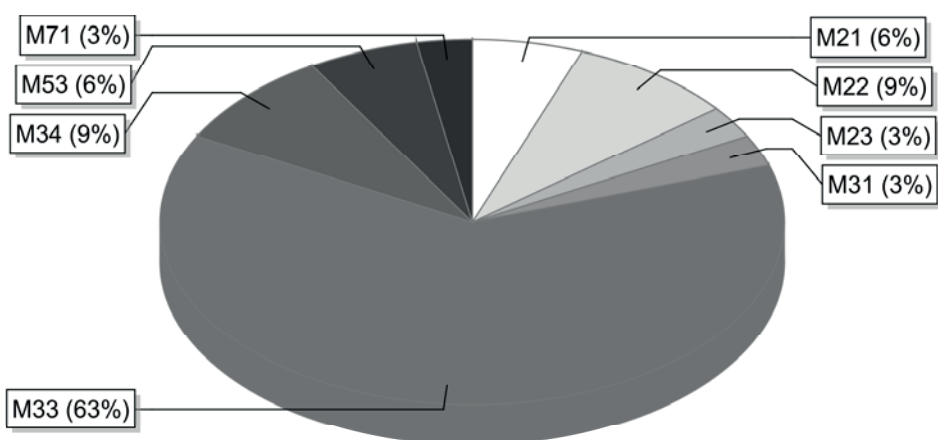
1. Gašparić F.: Vibrotaktilna povratna sprega za prediktivno i korektivno upravljanje mioelektričnom protezom šake, Novi Sad, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za primenjene računarske nauke

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	22
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u nacionalnom časopisu kategorije M53	M53	2
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Gaborov M., Stojanov Ž., Popov S., Stojanov J., Kavalić (Zakin) M., Kovač (Milosavljev) D., Vecštejn I.: Development and Validation of a Theoretical Model for Addressing Problems in Agile Meetings: A Systematic Literature Review and a Qualitative Study, *Applied Sciences*, 2024, Vol. 14, No. 21, ISSN 2076-3417
2. Simić M., Dedeić J., Stojkov M., Prokić I.: A Hierarchical Namespace Approach for Multi-Tenancy in Distributed Clouds, *IEEE Access*, 2024, pp. 1-1, ISSN 2169-3536

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Adamović M., Ivetić D.: Streamlined approach to 2nd/3rd graders learning basic programming concepts, *Entertainment Computing*, 2024, No. 48, ISSN 1875-9521
2. Horvat N., Gajić D., Trifunović P., Petrović V., Dragan D., Katić V.: Performance Evaluation of a Distributed Ledger-based Platform for Renewable Energy Trading, *IEEE Access*, 2024, Vol. 12, pp. 86013-86033, ISSN 2169-3536
3. Lazić O., Cvejić (Gvozdenović) S., Dedić B., Kupusinac A., Jocić S., Miladinović (Vasić) D.: Transfer Learning in Multimodal Sunflower Drought Stress Detection, *Applied Sciences*, 2024, Vol. 14, No. 14, ISSN 2076-3417

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Nikolić L., Dimitrieski V., Čeliković M.: An Approach for Supporting Transparent ACID Transactions over Heterogeneous Data Stores in Microservice Architectures, *Computer Science and Information Systems (COMSIS)*, 2024, Vol. 1, No. 21, pp. 167-207, ISSN 2406-1018

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Petrović V.: Accidental Centralization: Pitfalls of Blockchain-Based Project Architectures, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš, 3-6 June, 2024

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Akik E., Vještica M., Dimitrieski V., Čeliković M., Ristić S.: Prototype of Domain-Specific Language for Uniform Access to Vector Databases, *17. IEEE International Scientific Conference on Informatics (Informatics)*, Poprad: IEEE, 13-15 November, 2024, pp. 11-16, ISBN 979-8-3503-8768-1
2. Akik E., Vještica M., Dimitrieski V., Kordić (Aleksić) S., Ristić S.: Towards a Model-Driven Approach to Enable Uniform Access to Vector Databases, *28. European Conference on Advances in Databases and Information Systems (ADBIS)*, Bayonne: Springer, 28-31 August, 2024, pp. 225-237, ISBN 978-3-031-70421-5
3. Anišić H., Dragan D., Gajić D., Petrović V.: An Overview of Smart Contracts for Non-Programmers, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš, 3-6 June, 2024
4. Anišić H., Dragan D., Gajić D., Petrović V.: Facilitating NFT Customization: Overview of Tools Enabling Non-Programmers to Engage in the Digital Asset Space, *11. International Conference on Mass Customization and Personalization in Central Europe MCP-CE*, Novi Sad, 24-27 September, 2024, pp. 8-14, ISBN 978-86-6022-686
5. Blažić M., Popov S., Ognjenović V., Vignjević K., Marković M., Nadrljanski S.: An Overview of Multimedia - audio data visualization process using Business intelligence tools, *14. International Conference on Applied Internet and Information Technologies - AIIT*, Zrenjanin: Technical Faculty "Mihajlo Pupin", Zrenjanin, 8 November, 2024, pp. 302-309, ISBN 978-86-7672-379-9
6. Bursać V., Ivetić D., Kupusinac A.: Program Model for a Visual Editor of Gamepad Haptic Effects, *14. International conference on applied internet and information technologies*, Zrenjanin: Technical Faculty "Mihajlo Pupin", 8 November, 2024, pp. 173-180, ISBN 978-86-7672-379-9
7. Gaborov M., Stojanov Ž., Popov S., Kovač (Milosavljev) D., Vecštejn I., Jotanovic G., Jausevac G.: Investigating IT Experts' Attitudes Toward the Frequency of Agile Meetings: A Thematic Analysis, *14. International Conference on Applied Internet and Information Technologies - AIIT*, Zrenjanin, 8 November, 2024, pp. 200-207, ISBN 978-86-7672-379-9
8. Hrnjak J., Vještica M., Todorović N., Ristić S., Dimitrieski V.: Secura – A Model-Driven Solution for Rapid Security Configuration of Web Applications, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik: Springer, 10-13 March, 2024, pp. 387-400, ISBN 978-3-031-71418-4

9. Kovačević I., Ranković T., Stojkov M., Simić M.: Token-based identity management in the distributed cloud, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik, 10-13 March, 2024
10. Kovačević I., Stojkov M., Simić M.: Authentication and Identity Management Based on Zero Trust Security Model in Micro-cloud Environment, *13. International conference on information society and technology*, Kopaonik: Springer, Cham, 12-15 March, 2023, pp. 481-489, ISBN 978-3-031-50755-7
11. Lazić O., Matkovski M., Vrbaški D., Jakovljević A., Burić D.: Optimizing Renal Scintigraphy Interpretation with an Interactive Deep Learning Tool, *14. International conference on applied internet and information technologies*, Zrenjanin, 8 November, 2024, ISBN 978-86-7672-379-9
12. Radović L., Turović R., Đurić N., Škorić (Ćeranić) T., Kljajić D.: ML-based Detection of Radiation Azimuth Changes of Base Station, *7. IEEE International Symposium on Measurements and Networking - M&N*, Rim: IEEE Instrumentation and Measurement Society, 2-5 July, 2024, pp. 1-5, ISBN 979-8-3503-7053-9
13. Simić M., Stojkov M., Ranković T., Sladić G., Zarić M.: Polymorphic network structures allowing distributed clouds, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik: Society for Information Systems and Computer Networks, 10-13 March, 2024, pp. 73-88, ISBN 978-86-85525-32-2
14. Šarenac B., Todorović N., Todorović N., Sladić G.: Relying on E-Contracting and Smart Contracts to Facilitate Legally Enforceable Conformance Checking in Collaborative Production, *13. International conference on information society and technology*, Kopaonik: Springer, 12-15 March, 2023, pp. 413-422, ISBN 978-3-031-50754-0
15. Tihi N., Popov S., Kavalić (Zakin) M.: A COMPARISON OF SEASONAL ARIMA AND HOLT-WINTERS EXPONENTIAL SMOOTHING MODELS FOR URBAN DROUGHT PREDICTION, *1. Challenges of Contemporary Higher Education - CCHE*, Kopaonik, 29-3 January, 2024, pp. 429-437, ISBN 978-86-82744-00-9
16. Tihi N., Popov S.: A Comparison of ARIMA and Random Forest Time Series Models for Urban Drought Prediction, *11. International Scientific Conference on Information Technology, Computer Scienc, and Data Science - SINTEZA*, Beograd, 16 May, 2024, ISBN 978-86-7912-821-8
17. Tihi N., Popov S.: Visualization of meteorological time series using R-Shiny package, *2. International Engineering Conference*, Novi Sad, 26-30 August, 2024, ISBN 978-86-6211-145-6
18. Todorov M., Tihi N., Popov S.: Time series models for weather forecasting in smart cities, *1. International Scientific and Professional Conference - ALFATECH – Smart cities and modern technologies*, Beograd, 15 March, 2024, ISBN 978-86-6461-074-2
19. Tomić M., Đukić M., Kordić (Aleksić) S., Dimitrieski V., Luković I.: Prediction of Temperature and Precipitation Changes for Serbia Using Time Series Models with Machine Learning, *19. CONFERENCE ON COMPUTER SCIENCE AND INTELLIGENCE SYSTEMS (FedCSIS)*, Beograd: Polish Information Processing Society, 8-11 September, 2024, pp. 177-184, ISBN 978-83-973291-0-2
20. Tomić M., Todorović N., Vještica M., Kordić (Aleksić) S., Dimitrieski V.: Towards a Formal Specification and Automatic Execution of ETLs in Cross-organizational Business Processes, *13. International conference on information society and technology*, Kopaonik: Springer, 12-15 March, 2023, pp. 459-470, ISBN 978-3-031-50754-0
21. Vučinić M., Tomić M., Vještica M., Čeliković M., Luković I., Kordić (Aleksić) S.: A New Approach for an Efficient Relational to Document-Oriented Database Migration, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik: Springer, 10-13 March, 2024, pp. 261-276, ISBN 978-3-031-71418-4
22. Zeljković M., Dragan D., Popov S., Vranić (Novaković) T.: Quarterly Trends in Soil Moisture and Air Temperature: A Python-Based Analysis, *14. International Conference on Applied Internet and Information Technologies - AIIT*, Zrenjanin: University of Novi Sad, Technical Faculty "Mihajlo Pupin" Zrenjanin, 8 November, 2024, pp. 132-139, ISBN 978-86-7672-379-9

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Aleksić M., Grahovac (Ostojić) N., Cvejić (Gvozdenović) S., Miladinović (Vasić) D., Radanović (Dimitrijević) A., Lazić O., Jocković (Lazarević) J.: Attractiveness of wild *Helianthus* species inflorescence in drought conditions, *22. Young Researchers Conference Materials Sciences and Engineering - YRC*, Beograd, 4-6 December, 2024
2. Lalić M., Obrenović N., Mimić G., Marković M., Marko O., Brdar S., Crnojević V., Luković I.: A novel approach to the continuous planting and harvest scheduling, *23. INFORMS Annual Meeting*, Seattle, 20-23 October, 2024

3. Popović Lj., Laban M., Draganić (Vukoslavčević) S., Popov S., Marković M., Medić N.: Advancing Climate Action in Higher Education through Digital Innovations: The 1FUTURE Erasmus+ Project, *1. International Conference on Trends and Challenges in Digital Education*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 8-10 November, 2024, pp. 18-18, ISBN 978-86-6022-704-3

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Akik E.: НАМЕНСКИ ЈЕЗИК И ОКРУЖЕЊЕ ЗАСНОВАНО НА ИНЖЕЊЕРСТВУ ВОЂЕНОМ МОДЕЛИМА ЗА ПРИСТУП РАЗЛИЧИТИМ ВЕКТОРСКИМ БАЗАМА ПОДАТАКА, Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 11, pp. 1639-1642, ISSN 0350-428X, UDK: 004.9
2. Bulatović D.: ZAGONETNA AVANTURA U VIRTUELNOJ REALNOSTI, Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 11, pp. 1704-1707, ISSN 0350-428X, UDK: 004.9

Spisak rezultata M71 - Odbranjena doktorska disertacija

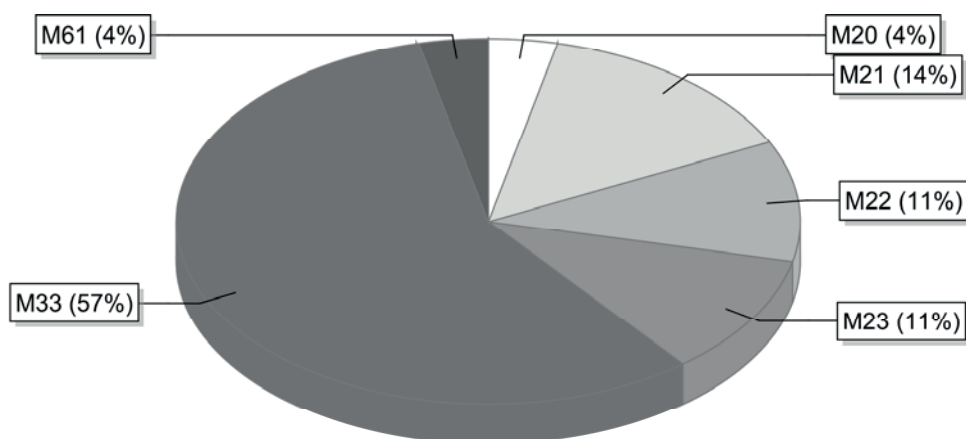
1. Vještica M.: Pristup specifikaciji i generisanju proizvodnih procesa zasnovan na inženjerstvu vođenom modelima / A Model-Driven Approach to the Production Process Specification and Generation, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informatiku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	4
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	16
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Luburić N., Slivka J., Dorić L., Prokić S., Kovačević A.: A framework for designing software engineering project-based learning experiences based on the 4C/ID model, *Education and Information Technologies*, 2024, Vol. 29, No. 9, ISSN 1360-2357

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Kovačević A., Bašaragin B., Milošević N., Nenadić G.: De-identification of clinical free text using natural language processing: A systematic review of current approaches, *Artificial Intelligence in Medicine*, (2019), vol. 101, 2024, Vol. 151, No. 102845, ISSN 0933-3657
2. Kovačević A., Luburić N., Slivka J., Prokić S., Grujić K., Vidaković D., Sladić G.: Automatic detection of code smells using metrics and CodeT5 embeddings: a case study in C#, *Neural Computing and Applications*, 2024, ISSN 0941-0643
3. Simić M., Dedeić J., Stojkov M., Prokić I.: A Hierarchical Namespace Approach for Multi-Tenancy in Distributed Clouds, *IEEE Access*, 2024, pp. 1-1, ISSN 2169-3536
4. Tošić S., Vojnović N., Vidaković M., Vidaković J., Levi V., Četenović D.: Single and Multi-threaded Power Flow Algorithm for Integrated Transmission-Distribution-Residential Networks, *Computers and Electrical Engineering*, 2024, Vol. 120, No. Part B, pp. 1-22, ISSN 0045-7906

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Nikolić D., Ivanović D., Ivanović L.: An open-source tool for merging data from multiple citation databases, *Scientometrics*, 2024, ISSN 0138-9130
2. Segedinac M., Savić G., Zeljković I., Slivka J., Konjović Z.: Assessing code readability in Python programming courses using eye-tracking, *Computer Applications in Engineering Education*, 2024, ISSN 1061-3773, UDK: 1099-0542
3. Šarenac B.: A new architecture reconciling refactorings and transformations, *Journal of Computer Languages (COLA)*, 2024, Vol. 80, ISSN 2590-1184

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Aleksić A., Vidaković M., Kaplar A., Vidaković J., Slivka J.: House Energy Management System, for balancing Electricity Costs and Residential Comfort, based on Deep Reinforcement Learning, *Acta Polytechnica Hungarica, Journal of Applied Sciences*, 2024, Vol. 21, No. 8, pp. 289-308, ISSN 1785-8860
2. Nikolić L., Dimitrieski V., Čeliković M.: An Approach for Supporting Transparent ACID Transactions over Heterogeneous Data Stores in Microservice Architectures, *Computer Science and Information Systems (COMSIS)*, 2024, Vol. 1, No. 21, pp. 167-207, ISSN 2406-1018
3. Prokić S., Luburić N., Slivka J., Kovačević A.: Prescriptive procedure for manual code smell annotation, *Science of Computer Programming*, 2024, ISSN 0167-6423

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1. Dragaš B., Todorović N., Lalošević T., Milosavljević G.: SeamlessMDD: Framework for Seamless Integration of Generated and Hand-Written Code, *Lecture notes in computer science*, 2024, Vol. 1, pp. 163-177, ISSN 0302-9743, 24. *International Conference on Web Engineering*, Tampere, 17-20 June, 2024, pp. 163-177, ISBN 978-3-031-62362-2
2. Gostojić S., Ogundare A.: Analyzing Public Opinion and Sentiments on Nigerian Government Policy on Subsidy Removal & Palliatives, 14. *International Conference on Information Science and Technology (ICIST)*, Kopaonik: Information Society of Serbia - ISOS, 10-13 March, 2024, pp. 186-194, ISBN 978-86-85525-32-2
3. Jelić M., Knežević D., Simić M., Zarić M.: Inheritance of Seccomp profiles in distributed clouds, 14. *International Conference on Information Science and Technology (ICIST)*, Kopaonik: Society for Information Systems and Computer Networks, 10-13 March, 2024, pp. 125-132, ISBN 978-86-85525-32-2
4. Knežević M., Sladić G., Markoski B., Stojkov Lončarski A.: Internet of Things in the Automotive Industry: A Review, 14. *International conference on applied internet and information technologies*, Zrenjanin: University of Novi Sad Technical faculty "Mihajlo Pupin" Zrenjanin, 8 November, 2024, pp. 187-192, ISBN 978-86-7672-379-9
5. Kovačević I., Ranković T., Stojkov M., Simić M.: Token-based identity management in the distributed cloud, 14. *International Conference on Information Science and Technology (ICIST)*, Kopaonik, 10-13 March, 2024

6. Kovačević I., Stojkov M., Simić M.: Authentication and Identity Management Based on Zero Trust Security Model in Micro-cloud Environment, *13. International conference on information society and technology*, Kopaonik: Springer, Cham, 12-15 March, 2023, pp. 481-489, ISBN 978-3-031-50755-7
7. Luburić N., Dorić L., Slivka J.: Elephants in the Amphitheater, *30. Skup "Trendovi razvoja" - TREND*, Vrnjačka Banja: Univerziteta u Novom Sadu, Fakultet tehničkih nauka, 7-10 February, 2024, pp. 76-81, ISBN 978-86-6022-635-0
8. Rakić S., Markoski B., Premčevski V., Sofić A., Leoste J.: Bridge the gap: A Usability Platform Test Method for Enhanced EdTech-Academia Collaboration, *14. EMC-International Symposium Engineering Management and Competitiveness*, Zrenjanin: Univerzitet u Novom Sadu, Tehnički fakultet "Mihajlo Pupin", 21-22 June, 2024, pp. 270-273, ISBN 978-86-7672-374-4
9. Rakić S., Softić S., Yevheniia A., Turcin I., Markoski B., Leoste J.: Usability Platform Test: Evaluating the Effectiveness of Educational Technology Applications, *27. International Conference on Interactive Collaborative Learning (ICL)*, Talin: Springer, 24-27 September, 2024
10. Ranković T., Simić M.: Access Control in a Distributed Micro-cloud Environment, *13. International conference on information society and technology*, Kopaonik: Springer, Cham, 12-15 March, 2023, pp. 435-447, ISBN 978-3-031-50755-7
11. Ranković T., Simić M.: Configuration Management in the Distributed Cloud, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik: Springer, Cham, 10-13 March, 2024, pp. 224-235, ISBN 978-3-031-71419-1
12. Ranković T.: Visual Question Answering – VizWiz Challenge, *13. International conference on information society and technology*, Kopaonik: Springer, Cham, 12-15 March, 2023, pp. 337-348, ISBN 978-3-031-50755-7
13. Simić M., Stojkov M., Ranković T., Sladić G., Zarić M.: Polymorphic network structures allowing distributed clouds, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik: Society for Information Systems and Computer Networks, 10-13 March, 2024, pp. 73-88, ISBN 978-86-85525-32-2
14. Slavić D., Markoski B., Premčevski V., Bašić K., Rakić S.: Lean philosophy and Industry 5.0: a bibliometric analysis approach, *14. EMC-International Symposium Engineering Management and Competitiveness*, Zrenjanin: Univerzitet u Novom Sadu, Tehnički fakultet "Mihajlo Pupin", 21-22 June, 2024, pp. 74-78, ISBN 978-86-7672-374-4
15. Slavić D., Medić N., Markoski B., Rakić S.: DIGITAL TECHNOLOGIES AS SUSTAINABILITY ENABLERS, *1. Future-BME Conference*, Novi Sad, 30-31 October, 2024
16. Šarenac B., Todorović N., Todorović N., Sladić G.: Relying on E-Contracting and Smart Contracts to Facilitate Legally Enforceable Conformance Checking in Collaborative Production, *13. International conference on information society and technology*, Kopaonik: Springer, 12-15 March, 2023, pp. 413-422, ISBN 978-3-031-50754-0

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

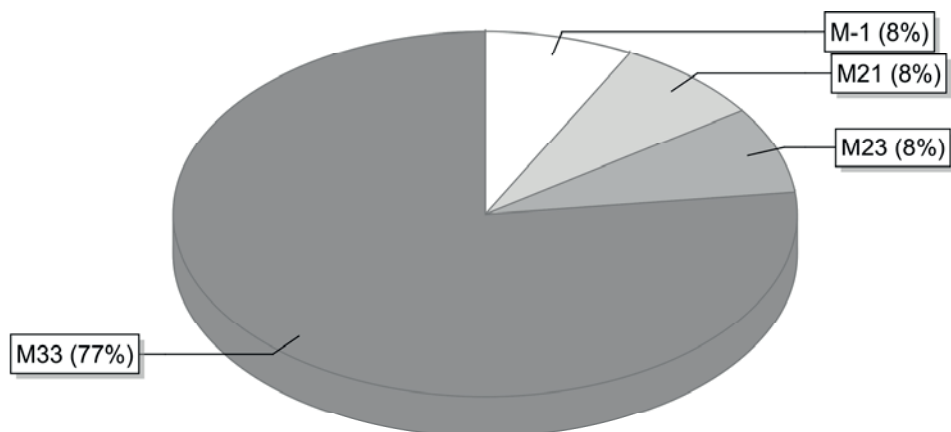
1. Vojnović N., Vidaković M., Vidaković J., Tošić S.: Dekuplovana procedura za proračun tokova snaga radijalnih distributivnih mreža, *10. Merno-informacione tehnologije (MIT)*, Novi Sad, 5-10 Decembar, 2024, ISBN 978-86-6022-565-0

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarsku tehniku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	10



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Mastilović J., Kevrešan Ž., Kukolj D., Kovač R., Ubiparip D., Stankovski S., Ostojić G., Đerić M.: Sensors in postharvest technologies: Evidence from patent portfolio analysis, *Postharvest Biology and Technology*, 2024, Vol. 208, No. 112628, pp. 1-14, ISSN 0925-5214

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Kevrešan Ž., Mastilović J., Kukolj D., Ubiparip D., Kovač R., Đerić M., Bajić (Jakšić) A., Ostojić G., Stankovski S.: Insights from a Patent Portfolio Analysis on Sensor Technologies for Measuring Fruit Properties, *Horticulturae*, 2024, Vol. 10, No. 1, ISSN 2311-7524

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Popović M., Popovic M., Kaštelan I., Đukić M., Bašičević I.: PTB-FLA Development Paradigm Adaptation for ChatGPT, *Computer Science and Information Systems*, 2024, Vol. 21, No. 4, pp. 1269-1292, ISSN 1820-0214

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

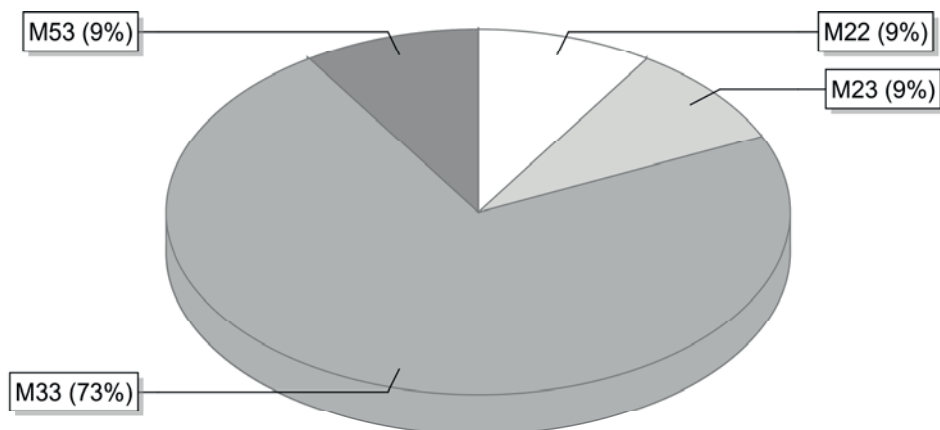
1. Egelja M., Pavković B.: A review of the approaches for enhancing driver safety through camera-based monitoring, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad, 22-23 May, 2024
2. Mandric V., Rupcic S., Pavković B., Bogdanovic N.: Propagation of EM waves through biomaterial based on harvest waste - influence of biomaterial density, moisture and temperature, 33. *International Conference on Organization and Technology of Maintenance - OTO*, Slavonski Brod, 12 December, 2024
3. Mandric V., Rupcic S., Pavković B., Ilakovac J.: Impact of parameters for the in-situ measurement of the electric field strength of the SSB signal in a 5G NR system using the frequency-selective method in zero-span mode, 6. *International Conference on Smart Systems and Technologies (SST)*, Osijek, 16-18 October, 2024
4. Obradov A., Pavković B.: A tool for detecting memory interference between AUTOSAR software components of different ASIL, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad, 22-23 May, 2024
5. Popović M., Popović M., Đukić M., Bašičević I.: Towards Formal Verification of Federated Learning Orchestration Protocols on Satellites, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024, pp. 1-4
6. Popović M., Popović M., Kaštelan I., Đukić M., Bašičević I., Vasiljević P.: MicroPython Testbed for Federated Learning Algorithms, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024, pp. 1-4
7. Rodić D., Gostimirović M., Sekulić M., Savković B., Aleksić A., Kukolj D.: Tool wear rate during electrical discharge machining of zirconium oxide, 6. *International Conference Mechanical Engineering in XXI Century - MASING*, Niš: Faculty of Mechanical Engineering, University of Niš, 14-15 December, 2023, pp. 1-4
8. Samac A., Kovačević J., Pekez N.: Optimization of Immersive Audio Technologies Start-up Time in Home Theatre Environment, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad, 22-23 May, 2024
9. Stojanović D., Pavković B., Četić N., Krunic M., Vidakovic L.: Unit Test Generation Multi-Agent AI System for Enhancing Software Documentation and Code Coverage, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024
10. Stojanović D., Pavković B., Četić N.: Person re-identification with transformers and image stacking, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za računarske komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Rad u nacionalnom časopisu kategorije M53	M53	1



PRODUKCIJA - REZULTATI

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Brestovački L., Golubović M., Bajić J., Joža A., Brkljač B., Rajs V.: A low-cost Raspberry Pi based imaging system for analysis of fiber specklegram sensors, *Optical and Quantum Electronics*, 2024, Vol. 56, No. 1261, pp. 1-13, ISSN 0306-8919

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Popović M., Popovic M., Kaštelan I., Đukić M., Bašičević I.: PTB-FLA Development Paradigm Adaptation for ChatGPT, *Computer Science and Information Systems*, 2024, Vol. 21, No. 4, pp. 1269-1292, ISSN 1820-0214

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Brestovački L., Gotovac Z., Bajić J., Golubović M., Joža A., Vujičić B.: Comparative evaluation of Oscilloscope devices for reasearch laboratory usage, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024
2. Kaštelan I., Novković T.: Introducing Digital System Design to High School Students, 47. *MIPRO - International convention on information and communication technology, electronics and microelectronics - Savjetovanje o mikroračunalima u telekomunikacijama*, Opatija: IEEE, 20-24 May, 2024, pp. 441-444, ISBN 979-8-3503-8250-1
3. Marković M., Kaštelan I.: Demonstrating the Potential of Visualization in Education with the Manim Python Library: Examples from Algorithms and Data Structures, 47. *MIPRO - International convention on information and communication technology, electronics and microelectronics - Savjetovanje o mikroračunalima u telekomunikacijama*, Opatija: IEEE, 20-24 May, 2024, pp. 625-629, ISBN 979-8-3503-8250-1
4. Popović M., Popović M., Kaštelan I., Đukić M., Bašičević I., Vasiljević P.: MicroPython Testbed for Federated Learning Algorithms, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024, pp. 1-4
5. Samac A., Kovačević J., Pekez N.: Optimization of Immersive Audio Technologies Start-up Time in Home Theatre Environment, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad, 22-23 May, 2024
6. Savić M., Pjevalica N.: Advanced UVM-Based Verification Methodology for Consumer Electronics HW Design Evaluation and Validation, 9. *IEEE Zooming Innovation in Consumer Electronics International Conference ZINC*, Novi Sad: IEEE, 22-23 May, 2024
7. Stojanović D., Pavković B., Četić N., Krunić M., Vidakovic L.: Unit Test Generation Multi-Agent AI System for Enhancing Software Documentation and Code Coverage, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024
8. Stojanović D., Pavković B., Četić N.: Person re-identification with transformers and image stacking, 32. *Telekomunikacioni forum TELFOR*, Beograd, 26-27 November, 2024

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

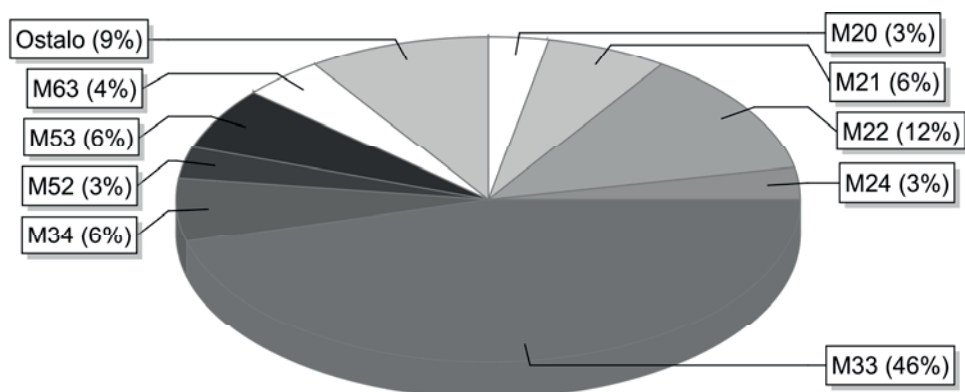
1. Bojanić S., Kaštelan I.: Implementacija podrške za prenos datoteka pomoću CANOpen i HTTP protokola u industrijskom internetu stvari, *Zbornik radova Fakulteta tehničkih nauka*, 2024, Vol. 39, No. 9, pp. 1185-1188, ISSN 0350-428X, UDK: 004.3

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za građevinarstvo i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14	M28b	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	3
Rad u vodećem međunarodnom časopisu kategorije M21	M21	6
Rad u međunarodnom časopisu kategorije M22	M22	12
Rad u međunarodnom časopisu kategorije M23	M23	1
Rad u vodećem nacionalnom časopisu kategorije M24	M24	3
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	44
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	6
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u nacionalnom časopisu kategorije M52	M52	3
Rad u nacionalnom časopisu kategorije M53	M53	6
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	4
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1

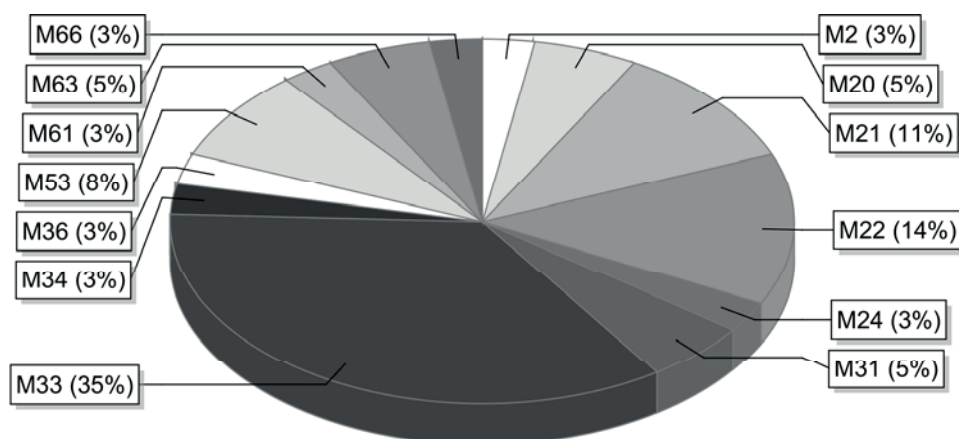


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za konstrukcije

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14	M28b	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u vodećem međunarodnom časopisu kategorije M21	M21	4
Rad u međunarodnom časopisu kategorije M22	M22	5
Rad u vodećem nacionalnom časopisu kategorije M24	M24	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	13
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Rad u nacionalnom časopisu kategorije M53	M53	3
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Uređivanje zbornika saopštenja skupa nacionalnog značaja	M66	1



PRODUKCIJA - REZULTATI

Spisak rezultata M28b - Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14

1. Bulajić B.: Guest Editor of Special Issue "Sustainable Civil Engineering: Innovative Methods for Structures, Elements and Materials", Sustainability, 2024, ISSN 2071-1050

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Ruggieri S., Vukobratović V.: The influence of torsion on acceleration demands in low-rise RC buildings, Bulletin of Earthquake Engineering, 2024, Vol. 22, No. 5, pp. 2433-2468, ISSN 1570-761X
2. Vukobratović V., Fajfar P.: Direct floor response spectra for nonlinear nonstructural components, Bulletin of Earthquake Engineering, 2024, Vol. 22, No. 3, pp. 1033-1053, ISSN 1570-761X

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Cvetković R., Ranković S., Kočetov Mišulić T., Kukaras D.: Experimental Analysis of Mechanical Behavior of Timber-Concrete Composite Beams with Different Connecting Systems, Buildings, 2024, Vol. 14, No. 79, pp. 1-23, ISSN 2075-5309
2. Işik E., Hadzima-Nyarko M., Radu D., Bulajić B.: Study on Effectiveness of Regional Risk Prioritisation in Reinforced Concrete Structures after Earthquakes, Applied Sciences, 2024, Vol. 14, No. 6992, ISSN 2076-3417
3. Landović A., Čeh A., Starčev-Čurčin A., Šešlija M.: Small-Scale and Large-Scale Modeling of Fiber-Reinforced Concrete Girders, Buildings, 2024, Vol. 14, No. 12, pp. 1-20, ISSN 2075-5309
4. Manić M., Bulajić B.: Reassessing the Location, Magnitude, and Macroseismic Intensity Map of the 8 April 1893 Svilajnac (Serbia) Earthquake, Applied Sciences, 2024, Vol. 14, No. 3893, pp. 1-53, ISSN 2076-3417

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Folić R., Zenunović D., Brujić Z.: Effects of carbonation and chloride ingress on the durability of concrete structures, Journal of the Serbian Chemical Society, 2024, Vol. 89, No. 5, pp. 729-742, ISSN 0352-5139
2. Kočetov Mišulić T., Radujković (Vukić) A., Popović Z., Hiel K.: Timber Strength Grading as Necessary Basis for Structural Design in ex-YU Region: Part 2, Drvena industrija, 2024, Vol. 75, No. 2, pp. 1161-169, ISSN 0012-6772, UDK: 674.032; 674.038; 674.06
3. Kukic F., Zlojutro N., Paspalj D., Bajić S., Kovačević S., Vulin L., Rađević N., Koropanovski N.: Effects of Specific RAMP Protocol Phase on Change of Direction Speed of Police Students, Journal of Functional Morphology and Kinesiology, 2024, Vol. 9, No. 4, ISSN 2411-5142
4. Lee V., Trifunac M., Bulajić B.: Seismic hazard mapping for peak ground velocity: microzonation of Novi Sad, Serbia—a case study in a low-seismicity region exposed to large and distant earthquakes, Journal of Seismology, 2024, ISSN 1383-4649
5. Ristić J., Behrami R., Brujić Z., Ristić D., Hristovski V.: Method for upgrading isolated bridges with novel V gaped devices: Seismic tests of models, Građevinar, 2024, Vol. 9, No. 76, pp. 789-802, ISSN 0350-2465, UDK: UDK 624+69(05) = 862

Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

1. Milović (Tatomirović) T., Laban M., Starčev-Čurčin A., Bulatović V.: CIRCULAR ECONOMY AND ITS BARRIERS TO IMPLEMENTATION IN THE CONSTRUCTION SECTOR, Journal of Applied Engineering Science, 2024, Vol. 22, No. 2, pp. 279-284, ISSN 1451-4117

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Lukić I., Malešev M., Radonjanin V., Šupić S., Pantić V., Lukić L.: ASSESSMENT, REHABILITATION AND RECONSTRUCTION OF RELIGIOUS BUILDINGS IN VOJVODINA □ EXAMPLES FROM PRACTICE, 13. Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Vrnjačka Banja: Savez građevinskih inženjera Srbije, 19-21 June, 2024, pp. 41-64, ISBN 978-86-88897-20-4
2. Radonjanin V., Malešev M., Brujić Z., Lukić I., Šupić S., Pantić V.: AN ENGINEERING CHALLENGE: REVITALIZING A 120-YEAR-OLD CONCRETE WATER TOWER, 9. Građevinarstvo nauka i praksa, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 111-130, ISBN 978-86-82707-36-3

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bajić S., Chizewski A.: Comprehending the Significance of Physical Fitness for Firefighters Occupational Performance, 2. International Engineering Conference, Novi Sad, 26-30 August, 2024

2. Bajić S., Veljović D., Bulajić B.: Physical Activity as a Type of Emergency Exercise for Enhancing the Emergency Response and Preparedness Phases of a Disaster., *9. Građevinarstvo nauka i praksa*, Kolašin, 5-9 March, 2024, ISBN 978-86-82707-36-3
3. Chizewski A., Bajić S.: The Role of Personality in Firefighter Physical Fitness and Occupational Performance, *2. International Engineering Conference*, Novi Sad, 26-30 August, 2024
4. Jeftenić G., Rašeta A., Milić M., Stipić D., Budinski Lj., Kekez S.: ANALYSIS OF THE OPTIMAL LOCATION OF SMALL HYDROPOWER PLANTS USING THE SHPOP SOFTWARE, *51. SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Fakultet tehničkih nauka Novi Sad, 16-19 September, 2024, pp. 387-395, ISBN 978-86-6022-703-6
5. Kočetov Mišulić T., Lukić I., Radujković (Vukić) A., Brujić Z., Šupić S.: PRELIMINARY ASSESSMENT OF THE POPLAR CLONE I-214 AS A TIMBER MATERIAL FOR STRUCTURAL APPLICATION, *17. ASES International congress proceedings*, Vrnjačka Banja: University of Belgrade, Civil Engineering Faculty & ASES Belgrade, 18-20 September, 2024, pp. 218-227, ISBN 978-86-7518-248-1
6. Milović (Tatomirović) T., Laban M., Starčev-Čurčin A., Bulatović V.: CIRCULAR ECONOMY AND ITS BARRIERS TO IMPLEMENTATION IN THE CONSTRUCTION SECTOR, *9. Građevinarstvo nauka i praksa*, Kolašin: Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 851-858, ISBN 9788682707363
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8. Pantić V., Šupić S., Draganić (Vukoslavčević) S., Džolev I.: Reaction to fire of masonry mortar blended with environmentally-friendly materials, *1. Future-BME Conference*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 30-31 October, 2024, pp. 1161-1169, ISBN 978-86-6022-723-4
9. Pantić V., Šupić S., Lukić I.: WATER VAPOUR PERMEABILITY OF MASONRY MORTAR BLENDED WITH A HIGH SHARE OF WASTE MATERIALS, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 568-574, ISBN 978-86-6022-615-2
10. Stanojević D., Lončarević I., Mučenski V., Terzić M., Velkovski T., Jovanovski B., Mirjanić J.: ASSESSMENT OF GREEN ENERGY EFFICIENCY OF RURAL TOURISM FACILITIES, *51. SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 408-413, ISBN 978-86-6022-703-6
11. Šupić S., Pantić V., Broćeta G., Lukić I., Cumbo A.: VALORIZATION OF CORN COB ASH AS AN ENVIRONMENTALLY FRIENDLY SCM IN MASONRY MORTAR, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 613-620, ISBN 978-86-6022-615-2
12. Topalić J., Milović (Tatomirović) T., Mučenski V., Peško I., Džolev I., Cvetkovska M., Knežević M.: Implementation of operations research in civil engineering studies in former Yugoslav republics, *51. Symposium on Operational Research*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 370-375, ISBN 978-86-6022-703-6
13. Živaljević V., Džolev I., Rašeta A.: Experimental testing of centrally compressed cold-formed steel members with web holes, *Lecture Notes in Civil Engineering*, 2024, Vol. 482, pp. 384-391, ISSN 2366-2557, *7. International Conference on Geotechnics, Civil Engineering and Structures CIGOS*, Ho Chi Minh City: Springer, 4-5 April, 2024, pp. 384-391, ISBN 978-981-97-1971-6

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Mirjanić J., Milović (Tatomirović) T., Bulatović V.: Healing materials for self-healing concrete, *4. International Student Conference - DISC*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, Serbia, 5-6 December, 2024, pp. 19-19, ISBN 978-86-6022-715-9

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Džolev I., Medić N., Mučenski V.: Conference Proceedings of the 51st International Symposium on Operational Research SYM-OP-IS 2024, *51. SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 1-643, ISBN 978-86-6022-703-6

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Bajić S., Veljović D., Bulajić B.: Could Muscle Power and Muscle Endurance Influence Fire Emergency Response Movement Time in Young Adults?, *SportLogia*, 2024, Vol. 20, No. 1, pp. 1-8, ISSN 1986-6119
2. Mirjanić J., Džolev I.: Projekat konstrukcije sportske hale u Subotici sa analizom nosivosti karakterističnih

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3. Tanasijević L., Džolev I.: Projekat prethodno napregnutog armiranobetonskog mosta, Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 12, pp. 1721-1724, ISSN 0350-428X, UDK: 624.04

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Lukić I., Šupić S., Pantić V., Malešev M., Radonjanin V.: INOVATIVNI ŠUPLJI BETONSKI BLOKOVI ZA ZIDANJE – PUT KA EKOLOŠKI PRIHVATLJIVOJ GRADNJI, 1. *Aktuelni trendovi u oblasti građevinskih materijala i konstrukcija*, Beograd: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 10 Maj, 2024, pp. 31-46, ISBN 978-86-87615-12-0

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

1. Vukobratović V., Radeka G., Ilić B., Antešević S., Gligić A.: Ispitivanje prednapregnutih grednih nosača kranske staze na gradilištu, 17. *ASES International congress proceedings*, Vrnjačka Banja: Univerzitet u Beogradu, Građevinski fakultet, Društvo građevinskih konstruktora Srbije, 18-20 Septembar, 2024, pp. 137-142, ISBN 978-86-7518-247-4
2. Vukobratović V., Radeka G., Ilić B., Đurđević M., Cvetković J.: Projekat konstrukcije zgrade Osnovne škole "Miloš Crnjanski" u Novom Sadu: izazovi i rešenja, 17. *ASES International congress proceedings*, Vrnjačka Banja: Univerzitet u Beogradu, Građevinski fakultet, Društvo građevinskih konstruktora Srbije, 18-20 Septembar, 2024, pp. 182-191, ISBN 978-86-7518-247-4

Spisak rezultata M66 - Uređivanje zbornika saopštenja skupa nacionalnog značaja

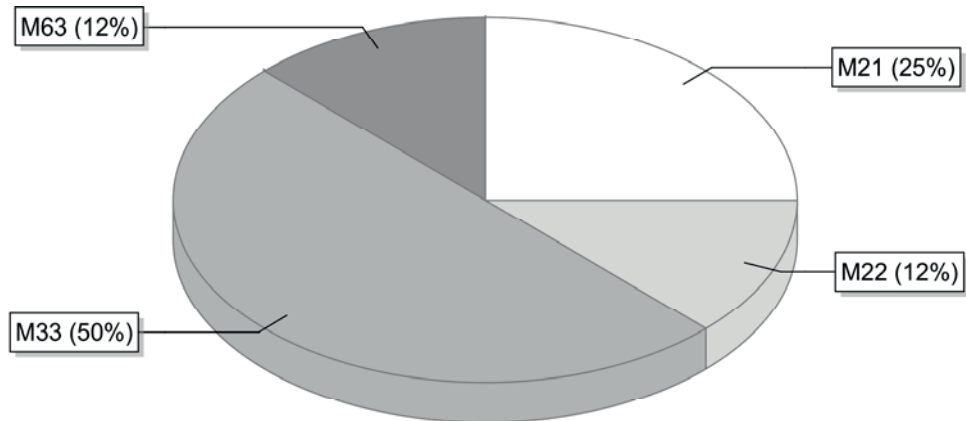
1. Marković Z., Dobrić J., Vukobratović V.: Uređivanje zbornika radova sa Nacionalnog simpozijuma DGKS, 17. *ASES International congress proceedings*, Vrnjačka Banja: Univerzitet u Beogradu, Građevinski fakultet, Društvo građevinskih konstruktora Srbije, 18-20 Septembar, 2024, ISBN 978-86-7518-247-4

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za geotehniku i saobraćajnice

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Landović A., Čeh A., Starčev-Čurčin A., Šešlija M.: Small-Scale and Large-Scale Modeling of Fiber-Reinforced Concrete Girders, Buildings, 2024, Vol. 14, No. 12, pp. 1-20, ISSN 2075-5309
2. Rađenović Veselić D., Kerkez Đ., Tomašević Pilipović D., Dubovina M., Šešlija M., Tenodi S., Peško I.: The beneficial reuse of contaminated sediment: Long-term assessment of fly ash and lime-based mixtures, Case Studies in Construction Materials, 2024, Vol. 20, ISSN 2214-5095

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Đogo M., Vasić M., Despotović I., Mihajlović S.: Geological and Geotechnical Aspects of the Most Significant Deep Landslides in the Danube Area on the Territory of Vojvodina, Applied Sciences, 2024, Vol. 14, No. 9, pp. 1-13, ISSN 2076-3417

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Ćirić N., Krstić P.: STRUCTURAL-TECTONIC AND GEOTECHNICAL ASPECTS OF FRACTURE TESTING, 9. Građevinarstvo nauka i praksa, Kolašin: Univerzitet Crne Gore, 5-9 March, 2024
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3. Krstić P., Marinković M., Ćirić N.: COMPARISON OF ANALYTICAL AND NUMERICAL METHODS FOR DETERMINING STRESSES IN CONCRETE PAVEMENTS DUE TO TRAFFIC LOADING, 9. Građevinarstvo nauka i praksa, Kolašin: University of Montenegro, Faculty of Civil Engineering, 5-9 March, 2024, pp. 813-820, ISBN 978-86-82707-36-3
4. Marinković M.: Uticaj referentnog perioda mjerodavne temperature na proračun dilatacija u kolovoznim konstrukcijama, 5. Srpski kongres o putevima, Beograd: Srpsko društvo za puteve "Via-Vita", 30-31 May, 2024, pp. 148-155, ISBN 978-86-88541-18-3

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

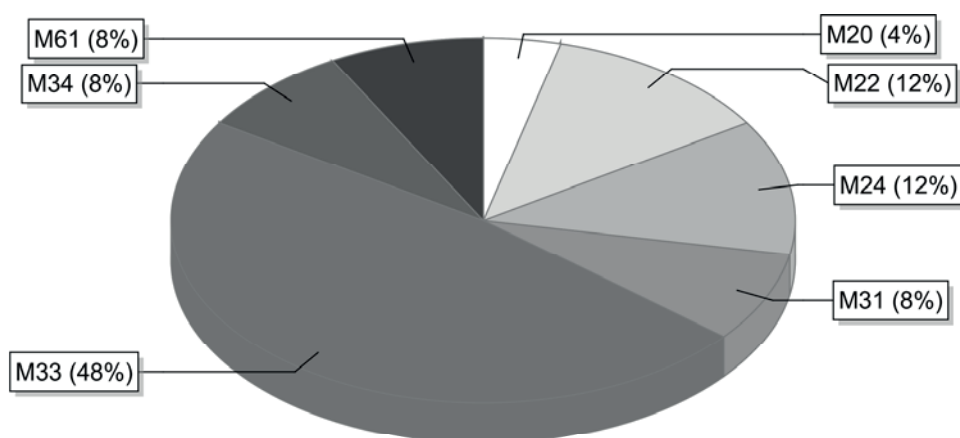
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GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za građevinske materijale, procenu stanja i sanaciju konstrukcija

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u vodećem nacionalnom časopisu kategorije M24	M24	3
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	12
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	2
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Šovljanski O., Milović (Tatomirović) T., Bulatović V., Erceg T., Stanojev J., Bajac B., Tomić (Vidaković) A.: Insights into Self-Healing Capacity of Cement Matrix containing High-efficiency bacteria under Challenging Conditions, *Journal of Building Engineering*, 2024, Vol. 98, No. 111094, ISSN 2352-7102

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

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2. Stojanović M., Šupić S., Janković K., Bojović D., Terzić A., Malešev M.: INVESTIGATION OF THE MECHANICAL PROPERTIES OF CONCRETE INCORPORATING RECYCLED RUBBER PARTICLES, *Science of Sintering*, 2024, Vol. 56, No. 3, pp. 1-16, ISSN 0350-820X
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Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

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2. Milović (Tatomirović) T., Laban M., Starčev-Čurčin A., Bulatović V.: CIRCULAR ECONOMY AND ITS BARRIERS TO IMPLEMENTATION IN THE CONSTRUCTION SECTOR, *Journal of Applied Engineering Science*, 2024, Vol. 22, No. 2, pp. 279-284, ISSN 1451-4117
3. Šupić S., Poletanović B., Radonjanin V., Malešev M., Merta I., Pantić V.: INFLUENCE OF ACCELERATED AGEING ON PULL-OFF STRENGTH OF CONCRETE PRODUCED WITH RECYCLED CONCRETE AGGREGATE AND BLENDED WITH HEMP FIBERS, *Journal of Applied Engineering Science*, 2024, Vol. 22, No. 2, pp. 285-290, ISSN 1451-4117

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Lukić I., Malešev M., Radonjanin V., Šupić S., Pantić V., Lukić L.: ASSESSMENT, REHABILITATION AND RECONSTRUCTION OF RELIGIOUS BUILDINGS IN VOJVODINA □ EXAMPLES FROM PRACTICE, *13. Ocena stanja, održavanje i sanacija građevinskih objekata i naselja*, Vrnjačka Banja: Savez građevinskih inženjera Srbije, 19-21 June, 2024, pp. 41-64, ISBN 978-86-88897-20-4
2. Radonjanin V., Malešev M., Brujić Z., Lukić I., Šupić S., Pantić V.: AN ENGINEERING CHALLENGE: REVITALIZING A 120-YEAR-OLD CONCRETE WATER TOWER, *9. Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 111-130, ISBN 978-86-82707-36-3

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Draganić (Vukoslavčević) S., Laban M., Cvetkovska M., Bedov (Bukvić) O.: FIRE RESISTANCE OF THE BUILDING STRUCTURE AS A PASSIVE FIRE PROTECTION MEASURE, *2. International Engineering Conference*, Novi Sad: The higher education technical school of professional studies in Novi Sad, 26-30 August, 2024, pp. 99-105, ISBN 978-86-6022-692-3
2. Kačarević M., Šupić S., Laban M.: FIRE RISK ASSESSMENT OF THE ELEMENTARY SCHOOL "VUK KARADŽIĆ" IN BIJELJINA, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 870-880, ISBN 978-86-6022-615-2
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Novi Sad , 26-30 August, 2024, pp. 415-420, ISBN 978-86-6022-692-3

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7. Pantić V., Šupić S., Lukić I.: WATER VAPOUR PERMEABILITY OF MASONRY MORTAR BLENDED WITH A HIGH SHARE OF WASTE MATERIALS, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 568-574, ISBN 978-86-6022-615-2
8. Pantić V., Šupić S., Malešev M., Broćeta G., Latinović-Krndija M., Cumbo A.: EVALUATION OF PROPERTIES OF MASONRY MORTARS BLENDED WITH CERAMIC WASTE POWDER, *16. Savremena teorija i praksa u graditeljstvu*, Banja Luka: Univerzitet u Banjoj Luci, Arhitektonsko-građevinsko-geodetski fakultet, 13-14 June, 2024, pp. 363-371, ISBN 978-99976-978-4-4
9. Pantić V., Šupić S.: SUSTAINABLE UTILIZATION OF FLY ASH FOR THE PRODUCTION OF ECO-FRIENDLY MASONRY MORTAR, *9. Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 585-592, ISBN 978-86-82707-36-3
10. Šupić S., Pantić V., Broćeta G., Lukić I., Cumbo A.: VALORIZATION OF CORN COB ASH AS AN ENVIRONMENTALLY FRIENDLY SCM IN MASONRY MORTAR, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 613-620, ISBN 978-86-6022-615-2
11. Šupić S., Poletanović B., Radonjanin V., Malešev M., Ildiko M., Pantić V.: INFLUENCE OF ACCELERATED AGEING ON PULL-OFF STRENGTH OF CONCRETE PRODUCED WITH RECYCLED CONCRETE AGGREGATE AND BLENDED WITH HEMP FIBRES, *9. Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 619-626, ISBN 978-86-82707-36-3
12. Volaš J., Broćeta G., Latinović-Krndija M., Šupić S., Pantić V., Malešev M., Radonjanin V., Cumbo A., Savić A., Lazić Ž., Lozo D.: EFFECT OF THE HRWRA QUANTITY ON DURABILITY PROPERTIES OF SELF-COMPACTING CONCRETE, *16. Savremena teorija i praksa u graditeljstvu*, Banja Luka: Univerzitet u Banjoj Luci, Arhitektonsko-građevinsko-geodetski fakultet, 13-14 June, 2024, pp. 351-362, ISBN 978-99976-978-4-4

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Mirjanić J., Milović (Tatomirović) T., Bulatović V.: Healing materials for self-healing concrete, *4. International Student Conference - DISC*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, Serbia, 5-6 December, 2024, pp. 19-19, ISBN 978-86-6022-715-9
2. Popović Lj., Laban M., Draganić (Vukoslavčević) S., Popov S., Marković M., Medić N.: Advancing Climate Action in Higher Education through Digital Innovations: The 1FUTURE Erasmus+ Project, *1. International Conference on Trends and Challenges in Digital Education*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 8-10 November, 2024, pp. 18-18, ISBN 978-86-6022-704-3

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

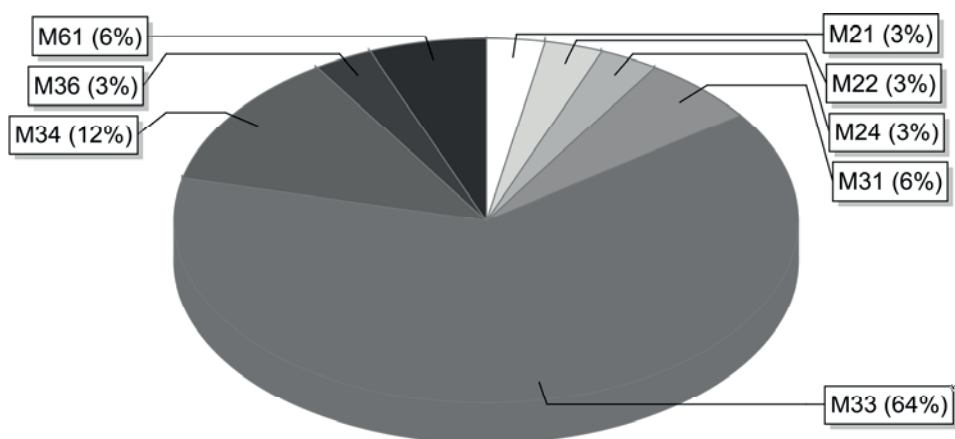
1. Lukić I., Šupić S., Pantić V., Malešev M., Radonjanin V.: INOVATIVNI ŠUPLJI BETONSKI BLOKOVI ZA ZIDANJE – PUT KA EKOLOŠKI PRIHVATLJIVOJ GRADNJI, *1. Aktuelni trendovi u oblasti građevinskih materijala i konstrukcija*, Beograd: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 10 Maj, 2024, pp. 31-46, ISBN 978-86-87615-12-0
2. Pantić V., Šupić S., Bulatović V., Draganić (Vukoslavčević) S.: ODRŽIVO KORIŠĆENJE KERAMIČKOG PRAHA KAO CEMENTNOG MATERIJALA U PROIZVODNJI MALTERA ZA ZIDANJE, *1. Aktuelni trendovi u oblasti građevinskih materijala i konstrukcija*, Beograd: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 10 Maj, 2024, pp. 100-115, ISBN 978-86-87615-12-0

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za organizaciju i tehnologiju građenja

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u vodećem nacionalnom časopisu kategorije M24	M24	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	21
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Rađenović Veselić D., Kerkez Đ., Tomašević Pilipović D., Dubovina M., Šešlija M., Tenodi S., Peško I.: The beneficial reuse of contaminated sediment: Long-term assessment of fly ash and lime-based mixtures, *Case Studies in Construction Materials*, 2024, Vol. 20, ISSN 2214-5095

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Stojanović M., Šupić S., Janković K., Bojović D., Terzić A., Malešev M.: INVESTIGATION OF THE MECHANICAL PROPERTIES OF CONCRETE INCORPORATING RECYCLED RUBBER PARTICLES, *Science of Sintering*, 2024, Vol. 56, No. 3, pp. 1-16, ISSN 0350-820X

Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

1. Šupić S., Poletanović B., Radonjanin V., Malešev M., Merta I., Pantić V.: INFLUENCE OF ACCELERATED AGEING ON PULL-OFF STRENGTH OF CONCRETE PRODUCED WITH RECYCLED CONCRETE AGGREGATE AND BLENDED WITH HEMP FIBERS, *Journal of Applied Engineering Science*, 2024, Vol. 22, No. 2, pp. 285-290, ISSN 1451-4117

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Lukić I., Malešev M., Radonjanin V., Šupić S., Pantić V., Lukić L.: ASSESSMENT, REHABILITATION AND RECONSTRUCTION OF RELIGIOUS BUILDINGS IN VOJVODINA □ EXAMPLES FROM PRACTICE, *13. Oцена stanja, održavanje i sanacija građevinskih objekata i naselja*, Vrnjačka Banja: Savez građevinskih inženjera Srbije, 19-21 June, 2024, pp. 41-64, ISBN 978-86-88897-20-4
2. Radonjanin V., Malešev M., Brujić Z., Lukić I., Šupić S., Pantić V.: AN ENGINEERING CHALLENGE: REVITALIZING A 120-YEAR-OLD CONCRETE WATER TOWER, *9. Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 111-130, ISBN 978-86-82707-36-3

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Kačarević M., Šupić S., Laban M.: FIRE RISK ASSESSMENT OF THE ELEMENTARY SCHOOL "VUK KARADŽIĆ" IN BIJELJINA, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 870-880, ISBN 978-86-6022-615-2
2. Kočetov Mišulić T., Lukić I., Radujković (Vukić) A., Brujić Z., Šupić S.: PRELIMINARY ASSESSMENT OF THE POPLAR CLONE I-214 AS A TIMBER MATERIAL FOR STRUCTURAL APPLICATION, *17. ASES International congress proceedings*, Vrnjačka Banja: University of Belgrade, Civil Engineering Faculty & ASES Belgrade, 18-20 September, 2024, pp. 218-227, ISBN 978-86-7518-248-1
3. Milović (Tatomirović) T., Šupić S., Bulatović V., Pantić V.: EFFECT OF HEMP FIBER PRE-TREATMENT ON REPAIR CEMENT MORTAR MECHANICAL PROPERTIES, *1. Future-BME Conference*, Novi Sad, 30-31 October, 2024, pp. 1034-1041, ISBN 978-86-6022-723-4
4. Milović (Tatomirović) T., Šupić S., Pantić V., Tomić S.: OPTIMIZATION OF THE MIXTURE DESIGN FOR HEMP FIBER-REINFORCED REPAIR CEMENT MORTAR, *2. International Engineering Conference*, Novi Sad: University of Novi Sad, The Faculty of Technical Sciences The Department of Civil Engineering and Geodesy Novi Sad, Republic of Serbia, The Higher Education Technical School of Professional Studies in Novi Sad, 26-30 August, 2024, pp. 415-420, ISBN 978-86-6022-692-3
5. Pantić V., Šupić S., Draganić (Vukoslavčević) S., Džolev I.: Reaction to fire of masonry mortar blended with environmentally-friendly materials, *1. Future-BME Conference*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 30-31 October, 2024, pp. 1161-1169, ISBN 978-86-6022-723-4
6. Pantić V., Šupić S., Lukić I.: WATER VAPOUR PERMEABILITY OF MASONRY MORTAR BLENDED WITH A HIGH SHARE OF WASTE MATERIALS, *16. iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 568-574, ISBN 978-86-6022-615-2
7. Pantić V., Šupić S., Malešev M., Broćeta G., Latinović-Krndija M., Cumbo A.: EVALUATION OF PROPERTIES OF MASONRY MORTARS BLENDED WITH CERAMIC WASTE POWDER, *16. Savremena teorija i praksa u graditeljstvu*, Banja Luka: Univerzitet u Banjoj Luci, Arhitektonsko-građevinsko-geodetski fakultet, 13-14 June, 2024, pp. 363-371, ISBN 978-99976-978-4-4
8. Pantić V., Šupić S.: SUSTAINABLE UTILIZATION OF FLY ASH FOR THE PRODUCTION OF ECO-FRIENDLY MASONRY MORTAR, *9. Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 585-592, ISBN 978-86-82707-36-3

9. Samardžić Cvijanović S., Mučenski V., Lakatoš R.: Noise exposure assessment for excavator operators, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 1161-1170, ISBN 978-86-82707-36-3
10. Samardžić Cvijanović S., Mučenski V.: NOISE MEASUREMENT WITH PERSONAL DOSIMETER ON CONSTRUCTION SITE AND PREVENTIVE MEASURES, 2. *EUROSA*, Vrnjačka Banja: Faculty of Technical Sciences, 15-18 May, 2024, pp. 112-120, ISBN 978-86-6022-676-3
11. Senjak Pejić M., Terzić M., Stanojević D., Peško I., Petrović (Đogo) M., Radović (Kapetina) M., Mučenski V.: ESTIMATING QUANTITIES OF CONSTRUCTION AND DEMOLITION WASTE FOR RECYCLING USING MACHINE LEARNING MODELS, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 875-882, ISBN 978-86-82707-36-3
12. Stanojević D., Lončarević I., Mučenski V., Terzić M., Velkovski T., Jovanovski B., Mirjanić J.: ASSESSMENT OF GREEN ENERGY EFFICIENCY OF RURAL TOURISM FACILITIES, 51. *SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 408-413, ISBN 978-86-6022-703-6
13. Stanojević D., Mučenski V., Terzić M., Senjak Pejić M.: CONSTRUCTION COST ANALYSIS OF COLD STORAGE WAREHOUSES, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 1227-1234, ISBN 978-86-82707-36-3
14. Stojanović M., Janković K., Bojović D., Terzić A., Šupić S.: PROPERTIES OF CONCRETE WITH CRUMB RUBBER IN RELATION TO ORDINARY AND AERATED CONCRETE, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 609-618, ISBN 978-86-82707-36-3
15. Šupić S., Pantić V., Broćeta G., Lukić I., Cumbo A.: VALORIZATION OF CORN COB ASH AS AN ENVIRONMENTALLY FRIENDLY SCM IN MASONRY MORTAR, 16. *iNDiS*, Novi Sad: Department of Civil Engineering and Geodesy, Faculty of Technical Sciences, Novi Sad, 16-17 November, 2023, pp. 613-620, ISBN 978-86-6022-615-2
16. Šupić S., Poletanović B., Radonjanin V., Malešev M., Ildiko M., Pantić V.: INFLUENCE OF ACCELERATED AGEING ON PULL-OFF STRENGTH OF CONCRETE PRODUCED WITH RECYCLED CONCRETE AGGREGATE AND BLENDED WITH HEMP FIBRES, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO, FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 619-626, ISBN 978-86-82707-36-3
17. Topalić J., Milović (Tatomirović) T., Mučenski V., Peško I., Džolev I., Cvetkovska M., Knežević M.: Implementation of operations research in civil engineering studies in former Yugoslav republics, 51. *Symposium on Operational Research*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 370-375, ISBN 978-86-6022-703-6
18. Topalić J., Milović (Tatomirović) T., Mučenski V.: The potential of natural zeolite use in industrial wastewater treatment, 9. *IX INTERNATIONAL CONFERENCE CONTEMPORARY ACHIEVEMENTS IN CIVIL ENGINEERING*, Subotica, 25-26 April, 2024, ISBN 978-86-80297-97-2
19. Topalić J., Mučenski V., Ivanišević A.: THE FINANCIAL AND ECONOMIC RISKS IN THE RISK ASSESSMENT MODEL MADE FOR WASTEWATER TREATMENT PLANT, 1. *Future-BME Conference*, Novi Sad, 30-31 October, 2024, ISBN 978-86-6022-723
20. Topalić J.: IMPLEMENTATION OF OPERATIONS RESEARCH IN CIVIL ENGINEERING STUDIES IN FORMER YUGOSLAV REPUBLICS, 51. *Symposium on Operational Research*, Tara, 16-19 September, 2024
21. Volaš J., Broćeta G., Latinović-Krndija M., Šupić S., Pantić V., Malešev M., Radonjanin V., Cumbo A., Savić A., Lazić Ž., Lozo D.: EFFECT OF THE HRWRA QUANTITY ON DURABILITY PROPERTIES OF SELF-COMPACTING CONCRETE, 16. *Savremena teorija i praksa u graditeljstvu*, Banja Luka: Univerzitet u Banjoj Luci, Arhitektonsko-građevinsko-geodetski fakultet, 13-14 June, 2024, pp. 351-362, ISBN 978-99976-978-4-4

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kužet Ž., Samardžić Cvijanović S., Lakatoš R., Mučenski V.: Enhancing health impact estimation for construction workers: simultaneous noise measurements using noise dosimeter and phonometer, Book of Abstracts, 2024, Vol. 12, pp. 35-35, 12. *International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology (RAD)*, Herceg Novi: RAD Centre, 17-21 June, 2024, pp. 35-35, ISBN 978-86-901150-7-5
2. Senjak Pejić M., Peško I., Petrović (Đogo) M., Terzić M., Stanojević D., Radović (Kapetina) M., Mučenski V.:

ESTIMATION OF CONCRETE AMOUNT FROM EXISTING BUILDINGS FOR PRODUCTION OF GREEN CONCRETE USING ARTIFICIAL INTELLIGENCE, 4. *4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 5-6 December, 2024, pp. 24-24, ISBN 978-86-6022-715-9

3. Senjak Pejić M., Petrović (Đogo) M., Peško I., Terzić M., Stanojević D., Mučenski V.: GREEN CONCRETE TO ACHIEVE A MORE SUSTAINABLE ENVIRONMENT, 3. *DIFENEW International Student Conference*, Novi Sad: Biblioteka Matice Srpske, 5 December, 2023, pp. 3-3, ISBN 978-86-6022-632-9
4. Topalić J.: The role of wastewater treatment plants in the circular economy development programme in Serbia, 4. *4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad, 5-6 December, 2024

Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

1. Džolev I., Medić N., Mučenski V.: Conference Proceedings of the 51st International Symposium on Operational Research SYM-OP-IS 2024, 51. *SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 1-643, ISBN 978-86-6022-703-6

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

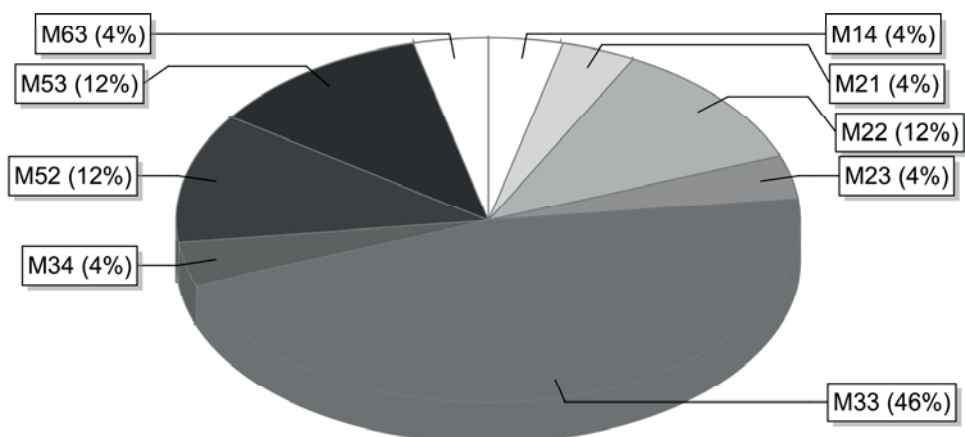
1. Lukić I., Šupić S., Pantić V., Malešev M., Radonjanin V.: INOVATIVNI ŠUPLJI BETONSKI BLOKOVI ZA ZIDANJE – PUT KA EKOLOŠKI PRIHVATLJIVIJ GRADNJI, 1. *Aktuelni trendovi u oblasti građevinskih materijala i konstrukcija*, Beograd: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 10 Maj, 2024, pp. 31-46, ISBN 978-86-87615-12-0
2. Pantić V., Šupić S., Bulatović V., Draganić (Vukoslavčević) S.: ODRŽIVO KORIŠĆENJE KERAMIČKOG PRAHA KAO CEMENTNOG MATERIJALA U PROIZVODNJI MALTERA ZA ZIDANJE, 1. *Aktuelni trendovi u oblasti građevinskih materijala i konstrukcija*, Beograd: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, 10 Maj, 2024, pp. 100-115, ISBN 978-86-87615-12-0

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za hidrotehniku i geodeziju

Zbirni pregled naučno istraživačkih rezultata u 2024. 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 vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	12
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u nacionalnom časopisu kategorije M52	M52	3
Rad u nacionalnom časopisu kategorije M53	M53	3
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

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

1. Davidović Manojlović M., Aščerić (Tešić) D., Tomić T.: Enhancing Infrastructure Management: A Deep Dive into Mobile Laser Scanning and Point Cloud Classification, Springer Cham, 2024, str. 195-204, ISBN 978-3-031-71694-2

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Miletić B., Matović B., Orlović S., Gutalj M., Đorem T., Marinković G., Simović S., Dugalić M., Stojanović D.: Quantifying Forest Cover Loss as a Response to Drought and Dieback of Norway Spruce and Evaluating Sensitivity of Various Vegetation Indices Using Remote Sensing, *Forests*, 2024, Vol. 15, No. 4, pp. 662-662, ISSN 1999-4907

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Aščerić (Tešić) D., Tomić T., Tomić N., Marković S., Tadić E., Marković R., Bačević N., Davidović Manojlović M.: Using LiDAR Technology for Geoheritage Inventory and Modelling: Case Study of Đavolja Varoš Geosite (Serbia), *Geoheritage*, 2024, Vol. 41, No. 16, ISSN 1867-2485
2. Doklešić O., Vojinović-Miloradov M., Elezović N., Kolaković S., Simeunović N.: Performance indicators model assessment for water system quality and supply in Montenegro, *Journal of the Serbian Chemical Society*, 2024, No. 00, pp. 1-10, UDK: 54:55
3. Marinković G., Ilić Z., Nestorović Ž., Božić M., Bulatović V.: Sensitivity of Multi-Criteria Analysis Methods in Rural Land Consolidation Project Ranking, *LAND*, 2024, Vol. 13, No. 2, pp. 245-245, ISSN 2073-445X

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Marinković G., Milutinović T., Božić M.: IDENTIFICATION AND ANALYSIS OF RISKS IN CIVIL ENGINEERING PROJECTS, *Arhiv za tehničke nauke - Archives for Technical Sciences*, 2024, No. 30(1), pp. 45-58, ISSN 1840-4855

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Batilović M., Marković M., Bulatović V., Krnić Đ., Santrač N.: Geodetic control of the geometry of the bridge in Kula using terrestrial laser scanning technology, *BOOK OF PROCEEDINGS INTERNATIONAL SCIENTIFIC CONFERENCE ON CONTEMPORARY THEORY AND PRACTICE IN CONSTRUCTION*, 2024, Vol. 1, No. 16, pp. 731-741, ISSN 2566-4484, *16. Savremena teorija i praksa u graditeljstvu*, Banja Luka: University of Banja Luka Faculty of Architecture, Civil Engineering and Geodesy, 13-14 June, 2024, pp. 731-741, ISBN 978-99976-978-4-4
2. Batilović M., Sušić Z., Marković M., Kanović Ž., Vujinović M.: Investigating the efficacy of IWST method using Monte Carlo simulations: case study for pipeline of Perućica hydroelectric power plant, *9. Građevinarstvo nauka i praksa*, Kolašin: University of Montenegro, Faculty of Civil Engineering, 5-9 March, 2024, ISBN 978-86-82707-36-3
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4. Jeftenić G., Rašeta A., Milić M., Stipić D., Budinski Lj., Kekez S.: ANALYSIS OF THE OPTIMAL LOCATION OF SMALL HYDROPOWER PLANTS USING THE SHPOP SOFTWARE, *51. SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Fakultet tehničkih nauka Novi Sad, 16-19 September, 2024, pp. 387-395, ISBN 978-86-6022-703-6
5. Marinković G., Ilić Z., Nestorović Ž., Matić A.: ON THE RELATIONSHIP BETWEEN TWO STRAIGHT LINES BELONGING TO SAME PLANE, *9. Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 1061-1066, ISBN 978-86-82707-36-3
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8. Marković M., Davidović Manojlović M., Vujinović M., Batilović M., Krnić Đ.: Advancements in road markings detection using mobile mapping scanner derived point cloud, 9. *Građevinarstvo nauka i praksa*, Kolašin: University of Montenegro, Faculty of Civil Engineering, 5-9 March, 2024, ISBN 978-86-82707-36-3
9. Milić M., Jeftenić G., Budinski Lj., Stipić D.: APPLICATION OF GMS FOR SIMULATION OF GROUNDWATER LEVEL LOWERING, 9. *Građevinarstvo nauka i praksa*, Kolašin: UNIVERSITY OF MONTENEGRO FACULTY OF CIVIL ENGINEERING, 5-9 March, 2024, pp. 901-908, ISBN 978--86--82707--36-3
10. Santrač N., Batilović M., Marković M., Govedarica M., Benka P.: Application of close-range uav photogrammetry in the detection of cracks on facade, BOOK OF PROCEEDINGS INTERNATIONAL SCIENTIFIC CONFERENCE ON CONTEMPORARY THEORY AND PRACTICE IN CONSTRUCTION, 2024, Vol. 1, No. 16, pp. 637-646, ISSN 2566-4484, 16. *Savremena teorija i praksa u graditeljstvu*, Banja Luka: University of Banja Luka Faculty of Architecture, Civil Engineering and Geodesy, 13-14 June, 2024, pp. 637-646, ISBN 978-99976-978-4-4
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Popović Lj., Laban M., Draganić (Vukoslavčević) S., Popov S., Marković M., Medić N.: Advancing Climate Action in Higher Education through Digital Innovations: The 1FUTURE Erasmus+ Project, 1. *International Conference on Trends and Challenges in Digital Education*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 8-10 November, 2024, pp. 18-18, ISBN 978-86-6022-704-3

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1. Davidović Manojlović M., Marković M., Bulatović V., Batilović M., Sušić Z.: From mobile mapping to cadastral-topographic plan, *Izgradnja*, 2024, Vol. 78, No. 1-4/2024, pp. 41-46, ISSN 0350-5421
2. Nikolić N., Davidović Manojlović M., Mesaroš M.: The usage of geospatial tools in traffic sign detection, *Zbornik radova Departmana za geografiju, turizam i hotelijerstvo*, 2024, Vol. 52, No. 2, pp. 111-122, ISSN 1452-0133
3. Petrović M., Kuburić M., Davidović Manojlović M.: Surveying works during the construction of the Čortanovci tunnel, *Zbornik radova Građevinskog fakulteta u Subotici*, 2024, Vol. 45, pp. 11-20, ISSN 0352-6852

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Dragojević J., Marinković G.: РАНГИРАЊЕ ОПШТИНА ЗА ПОКРЕТАЊЕ КОМАСАЦИОНИХ ПРОЈЕКТАТА У ЈУЖНОБАНАТСКОМ ОКРУГУ, *Zbornik radova Fakulteta tehničkih nauka*, 2024, Vol. 39, No. 1(2024), pp. 109-112, ISSN 0350-428X, UDK: 528
2. Krnić Đ.: Razvoj „AGRIS“ geoportala uz podršku OGC standarda, *Zbornik radova Fakulteta tehničkih nauka*, 2024, Vol. 39, No. 12/2024, pp. 1877-1880, ISSN 0350-428X, UDK: 528.44
3. Urh P., Marinković G.: АНАЛИЗА ИЗРАЂЕНИХ ДИГИТАЛНИХ ГЕОДЕТСКИХ ЕЛАБОРАТА У РЕПУБЛИЦИ ХРВАТСКОЈ, *Zbornik radova Fakulteta tehničkih nauka*, 2024, Vol. 39, No. 1(2024), pp. 105-108, ISSN 0350-428X, UDK: 528

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

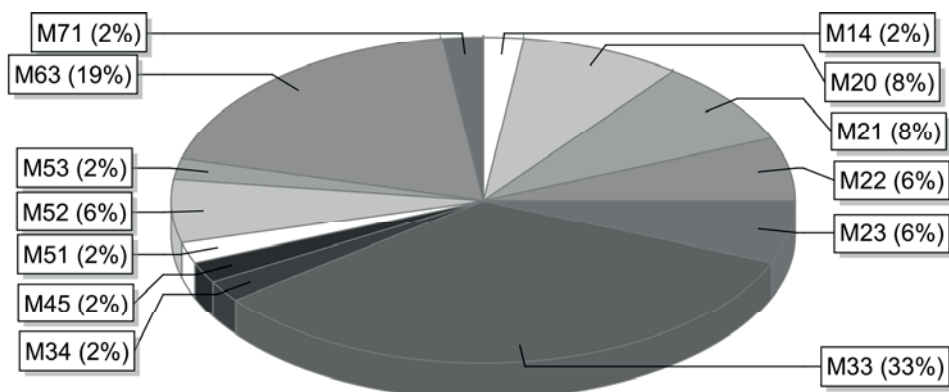
1. Bulatović V., Budimirov T., Santrač N., Krnić Đ., Benka P., Batilović M.: Application of GIS in precision agriculture - AGRIS geoportal, 51. *SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, University of Novi Sad, 16-19 Septembar, 2024, pp. 61-66, ISBN 978-86-6022-703-6

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za saobraćaj

Zbirni pregled naučno istraživačkih rezultata u 2024. 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 vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	4
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	16
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Rad u vodećem nacionalnom časopisu kategorije M51	M51	1
Rad u nacionalnom časopisu kategorije M52	M52	3
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	9
Odbranjena doktorska disertacija	M71	1

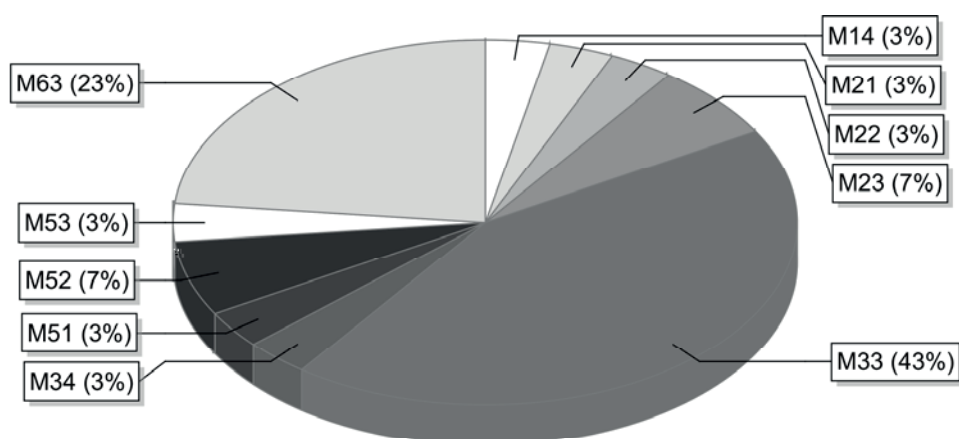


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za saobraćajne sisteme

Zbirni pregled naučno istraživačkih rezultata u 2024. 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 vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	13
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem nacionalnom časopisu kategorije M51	M51	1
Rad u nacionalnom časopisu kategorije M52	M52	2
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	7



PRODUKCIJA - REZULTATI

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

1. Ilin V., Simić D., Veličković M., Garunović N., Saulić N.: Machine Learning in the Last-Mile Delivery: Modified Q-Learning for the TSP, Cham, Springer, 2024, str. 108-117, ISBN 978-3-031-75012-0

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Rakić M., Bogdanović V., Garunović N., Simeunović M., Stević Ž., Radović D.: The Forecasting Model of the Impact of Shopping Centres in Urban Areas on the Generation of Traffic Demand, Applied Sciences, 2024, Vol. 14, ISSN 2076-3417

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Pitka P., Simeunović M., Miličić M., Kovačević (Savković) T., Simeunović M., Marinković D., Čojbašić Ž.: Planning-level optimisation of headway regularity, Applied Sciences, 2024, Vol. 14, No. 13, pp. 1-22, ISSN 2076-3417, UDK: <https://www.mdpi.com/2076-3417/14/13/5706>

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Pitka P., Kovačević (Savković) T., Simeunović M., Simeunović M., Jović A.: Estimation of Transport Service Quality Using an Ordinal Priority Model, Transport, Proceedings of the Institution of Civil Engineers: Transport, 2024, ISSN 1751-7710
2. Ristić B., Bogdanović V., Stević Ž., Marinković D., Papić Z., Gojković P.: Evaluation of Pedestrian Crossings Based on the Concept of Pedestrian Behavior Regarding Start-Up Time: Integrated Fuzzy MCDM Model, Tehnički vjesnik - Technical Gazette, 2024, Vol. 31, No. 4, pp. 1206-1214, ISSN 1330-3651

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bačkalić S., Rajčević S., Stanojević P., Jakšić D., Jovanović D.: Faktori nastanka stresa kod vozača tokom vožnje, 19. BSLZ- Bezbednost saobraćaja u loknoj zajednici, Zlatibor, 14-20 April, 2024, pp. 310-318
2. Bačkalić S., Stanojević P., Jakšić D., Dumnić S., Jovanović D.: Traffic safety culture of truck drivers, 16. Road accidents prevention, Novi Sad: Faculty of Technical Sciences, 16-17 October, 2024, pp. 181-188, ISBN 978-86-6022-691-6
3. Čuturić D., Bačkalić S., Pljakić M., Jovanović D.: Kultura bezbednosti saobraćaja na različitim nivoima organizovanja društva, 19. BSLZ- Bezbednost saobraćaja u loknoj zajednici, Zlatibor, 14-20 April, 2024, pp. 177-189
4. Jovanović D., Bačkalić S., Pljakić M., Tarjan L.: Traffic safety management system based on spatial data analysis, 3. IMPROVING ROAD TRAFFIC SAFETY, Skoplje: REPUBLIC COUNCIL ON ROAD TRAFFIC SAFETY, 30 May, 2024
5. Kovačević A., Mirović V., Bogdanović V., Mitrović Simić J.: Parcel lockers as an instrument of the sharing economy in package delivery, 3. International Conference od Advances in Traffic and Communication Technologies - ATCT, Sarajevo: University of Sarajevo, Faculty of Traffic and Communications, 6-7 June, 2024, pp. 22-29
6. Kovačević A., Mirović V., Mitrović Simić J.: Proposed solutions for improving children's safety in school zones, 16. Road accidents prevention, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 16-17 October, 2024, pp. 25-32, ISBN 978-86-6022-691-6, UDK: 614.86(082) 656.1.08(082)
7. Mitrović Simić J., Ruškić N., Mirović V., Kovačević A.: Analysis of traffic conditions at the turbo roundabout in Novi Sad, 16. Road accidents prevention, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 16-17 October, 2024, pp. 43-51, ISBN 978-86-6022-691-6, UDK: 614.86(082) 656.1.08(082)
8. Papić Z., Simeunović M., Simeunović M., Saulić N.: A critical overview of the state of the system of protection against vehicles landing on bridges in the Republic of Serbia - case study of the Pančevo bridge, 16. Road accidents prevention, Novi Sad: Fakultet tehničkih nauka, 16-17 October, 2024, pp. 52-60, ISBN 978-86-6022-691-6
9. Pljakić M., Jovanović D., Bačkalić S., Jovanov D.: Identification of high-risk locations for traffic accidents involving heavy vehicles in Novi Sad, 16. Road accidents prevention, Novi Sad: Faculty of Technical Sciences, 16-17 October, 2024, pp. 61-71, UDK: 978-86-6022-691-6
10. Saulić N., Papić Z., Simeunović M., Ilin V.: Use of direction indicators as an essential element of traffic safety, 16. Road accidents prevention, Novi Sad: Fakultet tehničkih nauka, 16-17 October, 2024, pp. 166-172, ISBN 978-86-6022-691-6
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12. Simeunović M., Pitka P., Simeunović M., Kovačević (Savković) T., Koleška D.: Total cost of ownership and future challenges with different powertrain types, *12. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD*, Balatonfured: Springer, 23-26 May, 2024, pp. 933-938, ISBN 978-3-031-80512-7
13. Simeunović M., Ranisavljević T.: The role of teachers in the education of pre-school children in road safety, *16. Road accidents prevention*, Novi Sad: Fakultet tehničkih nauka, 16-17 October, 2024, pp. 17-24, ISBN 978-86-6022-691-6

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Mirović V., Mitrović Simić J., Miličić M., Ruškić N.: Smart mobility in smart cities, *1. Bezbjedno - Urbano - Mobilno*, Banja Luka: Panevropski univerzitet Apeiron, 20-21 June, 2024, pp. 27-27, ISBN 978-99976-87-37-1, UDK: 656.1/.5(048.3)

Spisak rezultata M51 - Rad u vodećem nacionalnom časopisu kategorije M51

1. Pitka P., Miličić M., Kovačević (Savković) T., Simeunović M., Jović A., Rašković J.: Uporedna vremensko-prostorna analiza putovanja različitim vidovima transporta u Novom Sadu, *Tehnika*, 2024, Vol. 71, No. 5, pp. 605-612, ISSN 0040-2176, UDK: 62(062.2) (497.1)

Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

1. Pitka P., Miličić M., Kovačević (Savković) T., Majstorović M.: Razvoj informacionih tehnologija u drumskom transportu, *Put i saobraćaj*, 2024, Vol. 70, No. 1, pp. 47-51, ISSN 0478-9733, UDK: 625.7/.8 + 651.1
2. Senić D., Mirović V., Mitrović Simić J.: Povezivanje klasičnog cikloturizma sa mikromobilima – Studija slučaja AP Vojvodine, *Put i saobraćaj*, 2024, Vol. 70, No. 1, pp. 35-39, ISSN 0478-9733

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Mirović V., Mitrović Simić J., Miličić M., Ruškić N.: Smart Mobility in Smart Cities, *Journal for Traffic and Transport Research and Application*, 2024, Vol. 9, No. 2, pp. 83-89, ISSN 2490-3477, UDK: 656

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

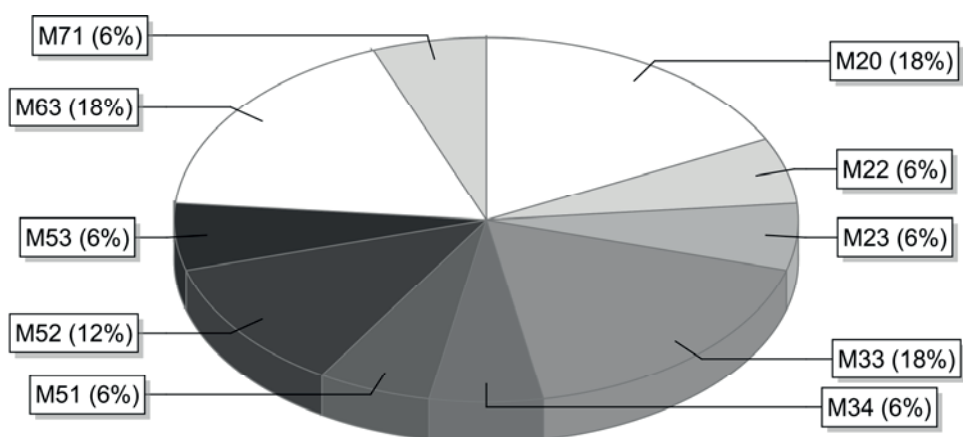
1. Jovanović D., Bačkalić S., Čuturić D.: Kultura bezbednosti saobraćaja u urbanim sredinama, *1. Urbana bezbednost saobraćaja - U susret izazovima strateškog upravljanja u saobraćaju*, Beograd, 10 Maj, 2024, pp. 52-58
2. Jovanović D., Bačkalić S., Pljakić M.: Karakteristike promene broja poginulih u saobraćajnim nezgodama, *2. Dobra praksa u drumskom saobraćaju i transportu*, Beograd: Akademija tehničkih strukovnih studija Beograd, 17 Maj, 2024, pp. 400-405, ISBN 978-86-7498-112
3. Jović A., Papić Z., Simeunović M., Pitka P., Saulić N.: ISTRAŽIVANJE VIDLJIVOSTI PEŠAKA OZNAČENOG REFLEKTUJUĆOM MATERIJOM, *17. Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 375-389, ISBN 978-86-86931-10-8
4. Mirović V., Stošić N., Počuč M., Vukobratović I., Kalamanda G.: Analiza potreba za izgradnjom obilaznice u naselju Odžaci, *14. Konferencija o TEhnikama Saobraćajnog Inženjerstva "TESI"*, Zlatibor: Univerzitet u Beogradu - Saobraćajni fakultet, 10-11 Oktobar, 2024, pp. 234-240, ISBN 978-86-7395-487-5
5. Papić Z., Simeunović M., Saulić N., Kotarlić D.: Utvrđivanje brzine kretanja vozila na osnovu analize video zapisa, *17. Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 390-399, ISBN 978-86-86931-10-8
6. Saulić N., Bogdanović V., Pitka P., Ilin V.: UTVRĐIVANJE POZICIJE TOČKA UPRAVLJAČA PRILIKOM AUTOMATSKOG ISKLJUČENJA POKAZIVAČA PRAVCA, *17. Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 428-437, ISBN 978-86-86931-10-8
7. Simeunović M., Saulić N., Simeunović M., Jović A.: Utvrđivanje vrednosti ubrzanja i usporenja prilikom upravljanja lakim elektronskim vozilima, *17. Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 422-427, ISBN 978-86-86931-10-8

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za tehnologije transportno logističkih sistema

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	3
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u vodećem nacionalnom časopisu kategorije M51	M51	1
Rad u nacionalnom časopisu kategorije M52	M52	2
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Andjelković D., Stojić G., Nikolić N., Kumar Das D., Subotić M., Stević Ž.: A Novel Data-Envelopment Analysis Interval-Valued Fuzzy-Rough-Number Multi-Criteria Decision-Making (DEA-IFRN MCDM) Model for Determining the Efficiency of Road Sections Based on Headway Analysis, *Mathematics*, 2024, Vol. 12, No. 7 (976), pp. 1-20, ISSN 2227-7390
2. Smiljanić D., Sremac S., Tanackov I., Stević Ž., Márton P., Stojić G.: A novel hybrid fuzzy model for selection of parking lots for vehicles with dangerous goods, *Engineering Applications of Artificial Intelligence*, 2024, Vol. 131, ISSN 0952-1976
3. Stojić G.: A Novel Data-Envelopment Analysis Interval-Valued Fuzzy-Rough-Number Multi-Criteria Decision-Making (DEA-IFRN MCDM) Model for Determining the Efficiency of Road Sections Based on Headway Analysis, *Mathematics*, 2024, Vol. 12, No. 7 (976), pp. 1-20, ISSN 2227-7390

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Pitka P., Simeunović M., Miličić M., Kovačević (Savković) T., Simeunović M., Marinković D., Čojbašić Ž.: Planning-level optimisation of headway regularity, *Applied Sciences*, 2024, Vol. 14, No. 13, pp. 1-22, ISSN 2076-3417, UDK: <https://www.mdpi.com/2076-3417/14/13/5706>

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Pitka P., Kovačević (Savković) T., Simeunović M., Simeunović M., Jović A.: Estimation of Transport Service Quality Using an Ordinal Priority Model, *Transport, Proceedings of the Institution of Civil Engineers: Transport*, 2024, ISSN 1751-7710

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Kovačević (Savković) T., Miličić M., Majstorović M., Pitka P.: The Impact of the Coronavirus on Company Operations in the Transport Sector, *15. International Conference Life Cycle Engineering and Management - ICDQM*, Prijedor: DQM Research Center - Prijedor, 27-28 July, 2024, pp. 249-255, ISBN 978-86-86355-54-6
2. Papić Z., Simeunović M., Simeunović M., Saulić N.: A critical overview of the state of the system of protection against vehicles landing on bridges in the Republic of Serbia - case study of the Pančevo bridge, *16. Road accidents prevention*, Novi Sad: Fakultet tehničkih nauka, 16-17 October, 2024, pp. 52-60, ISBN 978-86-6022-691-6
3. Simeunović M., Pitka P., Simeunović M., Kovačević (Savković) T., Kolečka D.: Total cost of ownership and future challenges with different powertrain types, *12. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD*, Balatonfüred: Springer, 23-26 May, 2024, pp. 933-938, ISBN 978-3-031-80512-7

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Mirović V., Mitrović Simić J., Miličić M., Ruškić N.: Smart mobility in smart cities, *1. Bezbjedno - Urbano - Mobilno*, Banja Luka: Panevropski univerzitet Apeiron, 20-21 June, 2024, pp. 27-27, ISBN 978-99976-87-37-1, UDK: 656.1/.5(048.3)

Spisak rezultata M51 - Rad u vodećem nacionalnom časopisu kategorije M51

1. Pitka P., Miličić M., Kovačević (Savković) T., Simeunović M., Jović A., Rašković J.: Upporedna vremensko-prostorna analiza putovanja različitim vidovima transporta u Novom Sadu, *Tehnika*, 2024, Vol. 71, No. 5, pp. 605-612, ISSN 0040-2176, UDK: 62(062.2) (497.1)

Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

1. Kovačević (Savković) T., Ninović M., Miličić M., Pitka P.: Primena električnih vozila - ekološka opravdanost, *Put i saobraćaj*, 2024, Vol. 70, No. 1, pp. 31-34, ISSN 0478-9733, UDK: 625.7/.8 + 651.1
2. Pitka P., Miličić M., Kovačević (Savković) T., Majstorović M.: Razvoj informacionih tehnologija u drumskom transportu, *Put i saobraćaj*, 2024, Vol. 70, No. 1, pp. 47-51, ISSN 0478-9733, UDK: 625.7/.8 + 651.1

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Mirović V., Mitrović Simić J., Miličić M., Ruškić N.: Smart Mobility in Smart Cities, *Journal for Traffic and Transport Research and Application*, 2024, Vol. 9, No. 2, pp. 83-89, ISSN 2490-3477, UDK: 656

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

1. Jović A., Papić Z., Simeunović M., Pitka P., Saulić N.: ISTRAŽIVANJE VIDLJIVOSTI PEŠAKA OZNAČENOG REFLEKTUJUĆOM MATERIJOM, *17. Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 375-389, ISBN 978-86-86931-10-8
2. Saulić N., Bogdanović V., Pitka P., Ilin V.: UTVRĐIVANJE POZICIJE TOČKA UPRAVLJAČA PRILIKOM

AUTOMATSKOG ISKLJUČENJA POKAZIVAČA PRAVCA, 17. *Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 428-437, ISBN 978-86-86931-10-8

3. Simeunović M., Saulić N., Simeunović M., Jović A.: Utvrđivanje vrednosti ubrzanja i usporenja prilikom upravljanja lakim elektronskim vozilima, 17. *Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode"*, Zlatibor, 16-18 Maj, 2024, pp. 422-427, ISBN 978-86-86931-10-8

Spisak rezultata M71 - Odbranjena doktorska disertacija

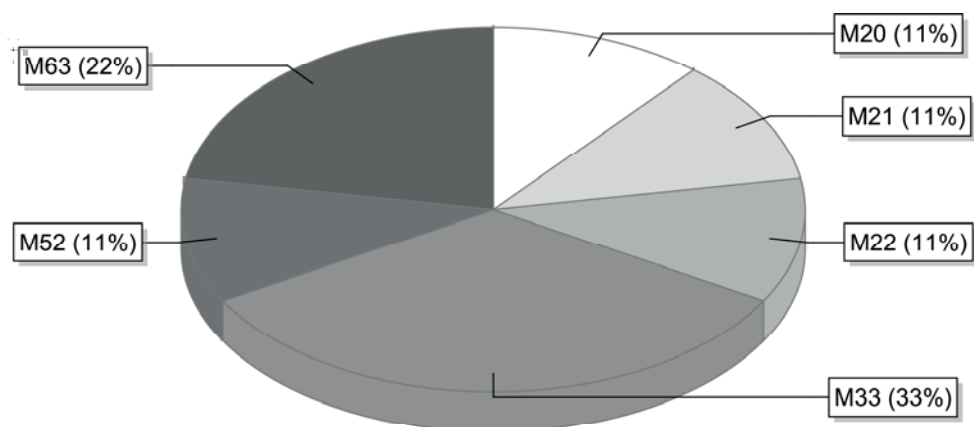
1. Škiljaica I.: Razvoj metoda za određivanje tehničkih i eksploatacionih parametara brodova potiskivača i potiskivanih sastava, Novi Sad, Fakultet tehničkih nauka, 2024, UDK: 629.5.015.11(043.3)

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za poštanski saobraćaj i komunikacije

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Rad u nacionalnom časopisu kategorije M52	M52	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Pratibha R., Arunodaya Raj M., Ahmad M. A., Adel Fahad A., Atanasković P., Simić V.: Intuitionistic Fuzzy Distance Measure-based Approach for Adopting the Blockchain Technology in the Logistics Industry, *Facta universitatis - series: Mechanical Engineering*, 2024, ISSN 0354–2025

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Čačić N., Blagojević M., Šarac D.: A new approach to comparison of CEP service providers using ordinal priority method, *Cogent Engineering*, 2024, Vol. 11, No. 1, ISSN 2331-1916

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Jovanović B., Šarac D., Čačić N.: Performance benchmarking of European postal incumbents with TOPSIS and BMW-TOPSIS, *Utilities Policy*, 2024, Vol. 91, No. 101845, pp. 1-9, ISSN 0957-1787

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Bačkalić S., Stanojević P., Jakšić D., Dumnić S., Jovanović D.: Traffic safety culture of truck drivers, *16. Road accidents prevention*, Novi Sad: Faculty of Technical Sciences, 16-17 October, 2024, pp. 181-188, ISBN 978-86-6022-691-6
2. Ninović M.: Application of Multi-criteria decision making for selecting a sustainable delivery model in urban areas, *15. International Conference Life Cycle Engineering and Management - ICDQM*, Prijedor: Istraživački centar DQM, Prijedor, 27-28 July, 2024, pp. 271-277, ISBN 978-86-86355-54-6
3. Rakić E., Šarac D., Marković M., Čačić N.: Sustainable Development Goals (SDGs) in the postal sector, *3. International Conference on Advances in Traffic and Communication Technologies - ATCT*, Sarajevo: University of Sarajevo, Faculty of Traffic and Communications, 6-7 June, 2024, pp. 9-16

Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

1. Kovačević (Savković) T., Ninović M., Miličić M., Pitka P.: Primena električnih vozila - ekološka opravdanost, Put i saobraćaj, 2024, Vol. 70, No. 1, pp. 31-34, ISSN 0478-9733, UDK: 625.7/.8 + 651.1

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

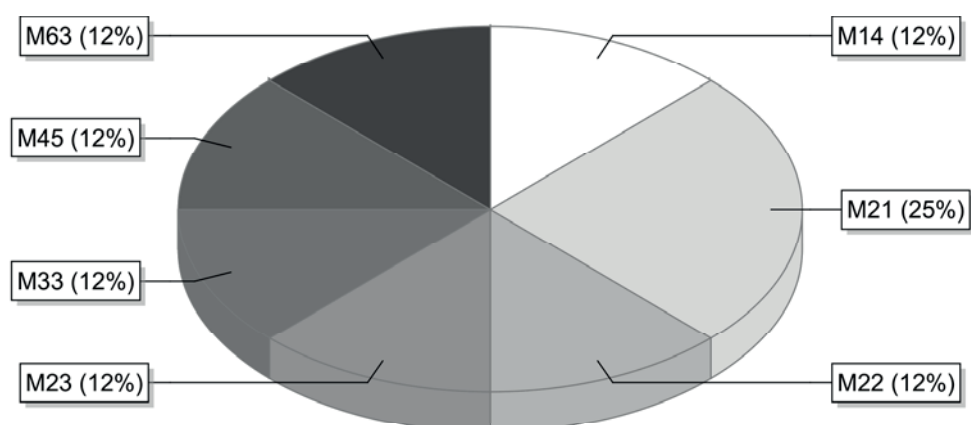
1. Čačić N., Šarac D., Blagojević M.: Problemi parkiranja KEP dostavnih vozila u urbanim gradskim sredinama, *14. Konferencija o Tehnikama Saobraćajnog Inženjerstva "TESI"*, Zlatibor, 10-11 Oktobar, 2024, pp. 364-371, ISBN 978-86-7395-487-5
2. Jovanović B., Čačić N.: Model za prognozu stope granične dobiti na osnovu učešća pojedinih grupa usluga u prihodu nacionalnih poštanskih operatora, *42. Simpozijum o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju PosTel*, Beograd, 26-27 Novembar, 2024, pp. 41-46

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za logistiku i intermodalni transport

Zbirni pregled naučno istraživačkih rezultata u 2024. 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 vodećem međunarodnom časopisu kategorije M21	M21	2
Rad u međunarodnom časopisu kategorije M22	M22	1
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	1
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

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

1. Ilin V., Simić D., Veličković M., Garunović N., Saulić N.: Machine Learning in the Last-Mile Delivery: Modified Q-Learning for the TSP, Cham, Springer, 2024, str. 108-117, ISBN 978-3-031-75012-0

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Fernández-Serantes L., Casteleiro-Roca J., Berger H., Simić D., Calvo-Rolle J.: Data dimensionality reduction for an optimal switching mode classification applied to a step-down power converter, Logic Journal of the IGPL / Interest Group in Pure and Applied Logics, 2024, Vol. 32, No. 6, pp. 1073-1087, ISSN 1367-0751
2. Matijević L., Ilin V., Davidović T., Jakšić-Krüger T., M. Pardalos P.: General VNS for asymmetric vehicle routing problem with time and capacity constraints, Computers & Operations Research, 2024, Vol. 167, pp. 1-16, ISSN 0305-0548

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Maslarić M., Bojić S., Mirčetić D., Nikoličić S., Medenica R.: Sustainable Urban Mobility Planning in the Port Areas: A Case Study, Sustainability, 2024, ISSN 2071-1050

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Mirčetić D., Nikoličić S., Maslarić M., Bojić S.: Assessment of technological and organisational improvements in the logistic distribution hub using discrete event simulation, Ekonomski vjesnik, Osijek, 2024, Vol. 37, No. 2, pp. 285-298, ISSN 0353-359X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Saulić N., Papić Z., Simeunović M., Ilin V.: Use of direction indicators as an essential element of traffic safety, 16. Road accidents prevention, Novi Sad: Fakultet tehničkih nauka, 16-17 October, 2024, pp. 166-172, ISBN 978-86-6022-691-6

Spisak rezultata M45 - Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina

1. Maslarić M., Bojić S.: Uloga baznih tehnologija Industrije 4.0 u Logistici 4.0 / Poglavlje u Monografiji: Industrija 4.0: Digitalna transformacija oblikuje budućnost (urednici: Isak Karabegović i Vidosav Majstorović), Sarajevo, Društvo za robotiku u Bosni i Hercegovini i Akademija nauka i umjetnosti Bosne i Hercegovine, 2024, ISBN 978-9958-9262-8-0

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

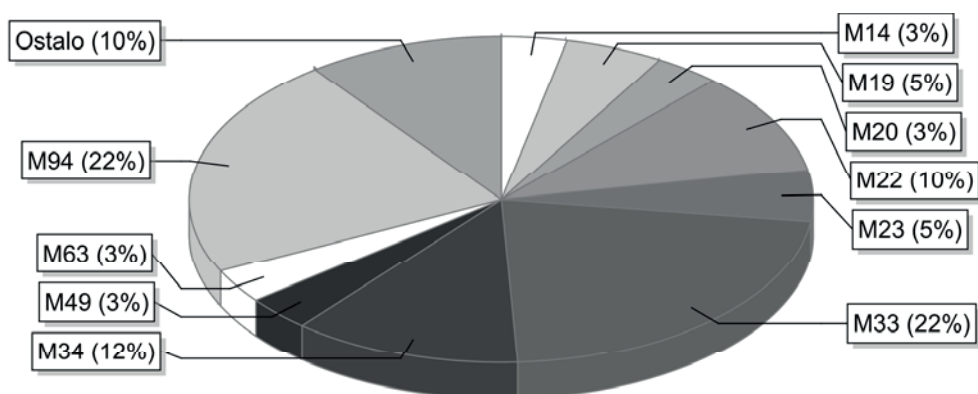
1. Saulić N., Bogdanović V., Pitka P., Ilin V.: UTVRĐIVANJE POZICIJE TOČKA UPRAVLJAČA PRILIKOM AUTOMATSKOG ISKLJUČENJA POKAZIVAČA PRAVCA, 17. Savetovanje sa međunarodnim učešćem na temu "Saobraćajne nezgode", Zlatibor, 16-18 Maj, 2024, pp. 428-437, ISBN 978-86-86931-10-8

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Nagrada na konkursu	M102	1
Nagrada na izložbi	M104	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	2
Kustoski rad	M107	3
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u međunarodnom časopisu kategorije M22	M22	6
Rad u međunarodnom časopisu kategorije M23	M23	3
Rad u vodećem nacionalnom časopisu kategorije M24	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	13
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	7
Monografija nacionalnog značaja	M42	1
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja	M49	2
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Učešće na izložbi	M105	13

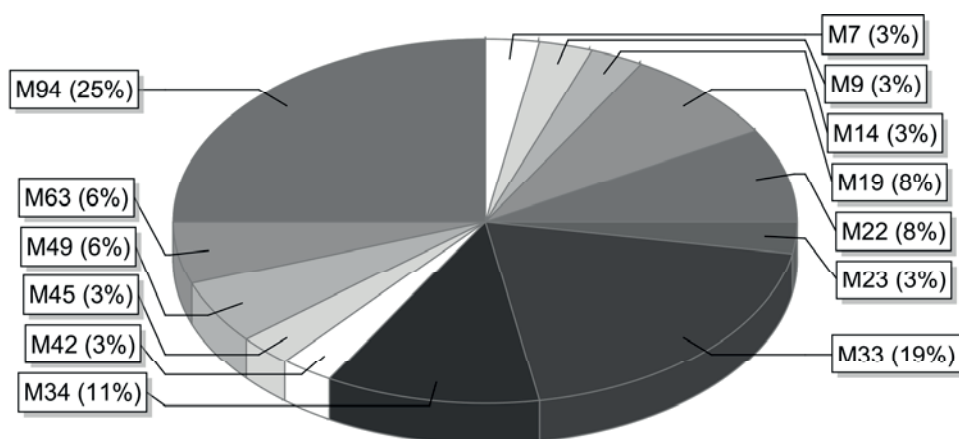


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za arhitekturu i urbanizam

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Nagrada na konkursu	M102	1
Nagrada na izložbi	M104	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Kustoski rad	M107	3
Rad u međunarodnom časopisu kategorije M22	M22	3
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	7
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Monografija nacionalnog značaja	M42	1
Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina	M45	1
Uređivanje naučne monografije, tematskog zbornika, leksikografske ili kartografske publikacije nacionalnog značaja	M49	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2
Učešće na izložbi	M105	9



PRODUKCIJA - REZULTATI

Spisak rezultata M102 - Nagrada na konkursu

1. Zeković M., Konstantinović D., Jović S., Momirov M., Žugić V., Stojković B., Jovin N.: Druga nagrada na međunarodnom konkursu za izradu idejnog arhitektonskog rešenja za izgradnju kongresnog centra u Trebinju. Objavljeno u odluci broj 03/3-991-14/24 od 18.03.2024. godine., 2024

Spisak rezultata M104 - Nagrada na izložbi

1. Konstantinović D., Mitrović V.: Nagrada na 24.međunarodnom Salonu arhitekture u Novom Sadu za rad "Dušan Krstić: arhitektura", u kategoriji publikacije, 2024

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

1. Stefanović V.: Collective Housing Complexes of Socialist Yugoslavia: The Development of Living Standards and the Strengthening of Communities, in the book "Large Housing Estates under Socialism: Experiences and Perspectives on Sustainable Development of Mass Housing Districts" (editors: Barbara Engel, Nikolas Rogge), Bielefeld, transcript Verlag, Bielefeld, 2024, str. 169-183, ISBN 978-3-8376-6782-0

Spisak rezultata M107 - Kustoski rad

1. Kojić R., Bošković Živanović R.: PreSalona 2024 "KRUGOVI", 46. Salon arhitekture, Muzej primenjene umetnosti, Galerija Anastas Jovanović, 18.03. – 23.03.2024, prateći program, interdisciplinarna radionica - projekat saradnje, umrežavanja i razmene iskustva realizovan kroz radionice, izložbe radova i prezentacije projekata nastalih u nastavnom procesu 4 fakulteta arhitekture i dizajna: Fakultet primenjenih umetnosti, Univerzitet umetnosti u Beogradu, Arhitektonski fakultet, Univerzitet u Beogradu, Građevinsko-arhitektonski fakultet, Univerzitet u Nišu, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, Univerzitet u Novom Sadu. Mentori i moderatori: (AF) Doc. dr Maja Dragišić, ass Snežana Zlatković, (FPU) Red.prof mr Tanja Manojlović, docent Biljana Branković, saradnik Mirjana Milakić (GAF) Vanr.Prof dr Aleksandar Milojković, docent dr Marko Nikolić, saradnik Milan Brzaković, (FTN) Vanr. Prof. dr Romana Bošković, docent Radomir Kojić. katalog dostupan na https://mpu.rs/wp-content/uploads/2024/06/PreSalona2024_poster-katalog.pdf, Beograd, Muzej primenjene umetnosti, 2024
2. Kojić R., Medić S.: SAVREMENI ENTERIJER I DIZAJN 2024, DIGITALNA GALERIJA: kabinet505.ftn.uns.ac.rs, 01 - 30.07.2024., katalog izložbe dostupan na: <http://kabinet505.ftn.uns.ac.rs/?p=6543>, urednici kataloga: dr Saša Medić, Radomir Kojić, izdavač: Departman za arhitekturu i urbanizam, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, Novi Sad, 2024, ISBN 978-86-6022-665-7
3. Kojić R., Medić S.: STUDIO PROJEKAT 05D, DIGITALNA GALERIJA: kabinet505.ftn.uns.ac.rs, 01 - 30.07.2024., katalog izložbe dostupan na: <http://kabinet505.ftn.uns.ac.rs/?p=6515>, urednici kataloga: dr Saša Medić, Radomir Kojić, izdavač: Departman za arhitekturu i urbanizam, Novi Sad, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, Novi Sad, 2024, ISBN 978-86-6022-668-8

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Maslarić M., Bojić S., Mirčetić D., Nikolić S., Medenica R.: Sustainable Urban Mobility Planning in the Port Areas: A Case Study, Sustainability, 2024, ISSN 2071-1050
2. Medaković J., Atanacković-Jeličić J., Ecet D., Nedučin D., Krklješ M.: The Interplay between Spatial Layout and Visitor Paths in Modern Museum Architecture, Buildings, 2024, Vol. 14, No. 7, ISSN 2075-5309
3. Medić S., Atanacković-Jeličić J., Rapaić M.: Advancing Social and Economic Sustainability in Urban Areas: A Methodology for Determining Architectural Programs of Shopping Centers, Sustainability, 2024, Vol. 16, No. 8, pp. 3264-3264, ISSN 2071-1050

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Ecet D., Atanacković-Jeličić J., Rapaić M., Pejić S.: School buildings layout: Enhancing resilience to targeted violence utilizing cellular automata (CA), International Journal of Architectural Computing, 2024, ISSN 1478-0771

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Babić T., Krklješ M.: Emergence, development and transformation of villa zones in Novi Sad during the 20th century, 9. IX INTERNATIONAL CONFERENCE CONTEMPORARY ACHIEVEMENTS IN CIVIL ENGINEERING, Subotica, 25-26 April, 2024, pp. 544-559, ISBN ISBN 978-86-80297-98
2. Babić T., Krklješ M.: Research by design – fostering students' creativity by implementation of workshops in architectural education, 16. Savremena teorija i praksa u graditeljstvu, Banja Luka, 13-14 June, 2024, pp. 259-268, ISBN ISSN 2566-4484
3. Brkljač D., Milinković A., Škorić S., Šanjević I.: The Role of the Characteristics of Urban Furniture and Equipment on the Quality of the Public Space of the Pedestrian Zone, 7. International Conference of

Contemporary Affairs in Architecture and Urbanism, Alanya: Alanya University, Alanya, Türkiye, 23-24 May, 2024, pp. 593-604, ISBN 978-625-99484-2-3

1. Mitrović T., Vračarić M.: ANALYZING ZONES FOR STANDING: ENHANCING VIBRANCY DURING PUBLIC EVENTS, 16. *Savremena teorija i praksa u graditeljstvu*, Banja Luka: University of Banja Luka, 13-14 June, 2024, pp. 55-62
2. Stefanović V.: HEALTHY AND HAPPY LIVING: GREEN AREAS AS ESSENTIAL ASPECTS OF MULTIFAMILY HOUSING IN CITIES –EXAMPLES FROM NOVI SAD, SERBIA, 7. *Green Building Conference*, Niš: Građevinsko-arhitektonski fakultet Univerziteta u Nišu, 5 June, 2024, pp. 273-278, ISBN 978-86-88601-92-4
3. Škorić S., Brkljač D., Milinković A., Krklješ M.: Influence of Spatial Arrangement of Open Public Spaces on Pedestrian Mobility and Activities, 9. *IX INTERNATIONAL CONFERENCE CONTEMPORARY ACHIEVEMENTS IN CIVIL ENGINEERING*, Subotica: Faculty of Civil Engineering Subotica, University of Novi Sad, 25-26 April, 2024, pp. 533-543, ISBN 978-86-80297-98-9
4. Vasiljević I., Bobić A., Mišćević M., Obradović M., Draganić A., Silađi M., Kuzmanović N., Obradović R.: LEARNING WITH DIGITIZED CULTURAL HERITAGE- A VIRTUAL JOURNEY THROUGH NOVI SAD, 13. *XIII INTERNATIONAL CONFERENCE OF SOCIAL AND TECHNOLOGICAL DEVELOPMENT - STED 2024*, Trebinje: University PIM, Banja Luka, Republic of Srpska, Bosnia and Herzegovina, 6-9 June, 2024, pp. 296-303, ISBN 978-99955-40-79

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Đurašinić R., Zeković M.: The Creative Potential of Indeterminate Urban Space: An Analysis of the Floating Project, 1. *International scientific and professional conference Life is Serious; Art Serene: Architectural-Scenic Research*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 23-25 October, 2024, pp. 56-57, ISBN 978-86-6022-695-4
2. Mitrović P., Kocić D.: Superimposition of Spatial and Ideological Values: The Diachronic Metanarrative of Block 13 Segment In New Belgrade, 1. *International scientific and professional conference Life is Serious; Art Serene: Architectural-Scenic Research*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 23-25 October, 2024, ISBN 978-86-6022-695-4
3. Mitrović P.: Hybridization of Spatial Narrative: Workshop as a Research Method for Tracing the Invisible, 1. *International scientific and professional conference Life is Serious; Art Serene: Architectural-Scenic Research*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 23-25 October, 2024, ISBN 978-86-6022-695-4
4. Vračarić M., Santa-Cruz M., Stulic A., Priljeva S.: Paisajes literarios recreados: IA y humanos en un viaje compartido del texto a la representación del espacio/ Literary Landscapes Re-imagined: AI and Humans on a Shared Journey from Text to Space Representation, 2. *International Conference on Linguistic Landscape*, Granada: Facultad de Filosofía y Letras Facultad de Ciencias de la Educación, Universidad de Granada, 3-5 June, 2024, pp. 170-172

Spisak rezultata M42 - Monografija nacionalnog značaja

1. Konstantinović D., Mitrović V.: Dušan Krstić: Arhitektura, Novi Sad, Muzej savremene umetnosti Vojvodine, Fakultet tehničkih nauka, 2024, ISBN 978-86-6333-085-6

Spisak rezultata M45 - Poglavlje u monografiji M42 ili rad u tematskom zborniku nacionalnog značaja ili tematska celina

1. Zeković M., Konstantinović D.: Napisana arhitektura. U: Prostori umetnosti, B.Mickov i Z.Erić (ur.), Novi Sad, Kulturni centar Vojvodine „Miloš Crnjanski”, 2024, str. 61-78, ISBN 978-86-82096-68-9

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

1. Reba D., Marković O.: Urban study of the Novi Sad area on the bank of the river Danube, Novi Sad, Department of Architecture and urbanism, Faculty of Technical Science, 2024, ISBN 978-86-6022-636-7
2. Vračarić M., Medenica R., Priljeva S.: Walking out of Novi Sad: STiFU, Savremeni tokovi i forme urbanizacije: 2022/23 - 2023/24, Novi Sad, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, 2024, ISBN 978-86-6022-69

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

1. Krklješ M., Reba D., Carević Tomić M., Medenica R., Marković O., Škorić S.: Iskustva realizacije studentskih radionica u oblasti arhitekture na međunarodnim projektima, Zbornik radova 30 Skupa Trendovi razvoja "Nastavnici i saradnici kao centar promena u visokom obrazovanju" 7-10.02.2024. Vrnjačka banja, 2024, pp. 40-43, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 7-10 Februar, 2024, pp. 40-43, ISBN 978-86-6022-635-0

2. Milinković A., Brkljač D., Škorić S., Šanjević I.: Modeli uključivanja studenata u nastavni proces, Zbornik radova 30 Skupa Trendovi razvoja "Nastavnici i saradnici kao centar promena u visokom obrazovanju" 7-10.02.2024. Vrnjačka banja, 2024, pp. 317-320, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 7-10 Februar, 2024, pp. 317-320, ISBN 978-86-6022-635-0

Spisak rezultata M105 - Učešće na izložbi

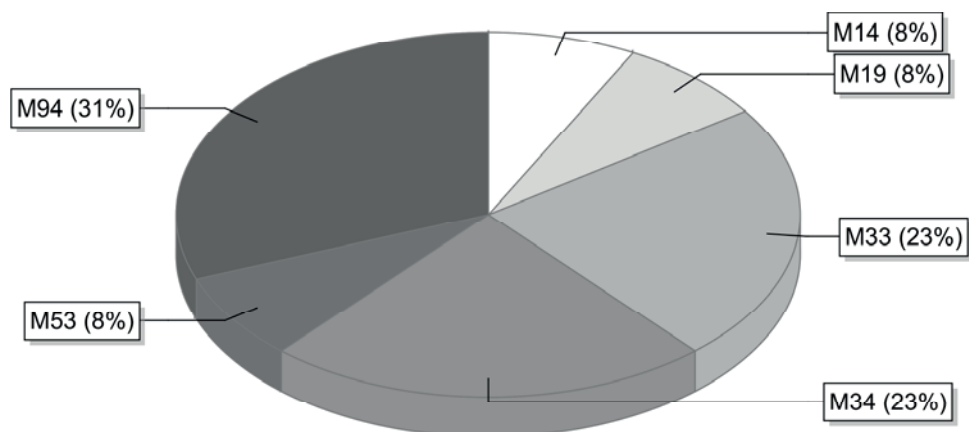
1. Carević Tomić M., Tomić D., Asani A.: Urban and architectural design for Trg Svetog trojstva in Sombor, prikazano na međunarodnoj izložbi 12th International Multimedia Event On Architecture - Shaping the City through Architecture, Gallery of Science and Technology of the Serbian Academy of Sciences and Arts, Belgrade, Serbia, 04.-18.12.2024. Publikovano u katalogu na engleskom jeziku., Beograd, strand Sustainable Urban Society Association, 2024, str. 10-10, ISBN 978-86-89111-36-1
2. Đurašinović R., Mitrović P., Prodanović M.: „Sportska hala u Subotici.“ Projekat prikazan u kategoriji konkursnih radova na međunarodnoj izložbi 24. Salon arhitekture Novi Sad 26.10-03.11.2024, Novi Sad, Društvo arhitekata Novog Sada, 2024
3. Milinković A., Brkljač D., Škorić S., Govedarica A.: „Urban Planning Project for the Construction of the Gymnasium in the Complex of the Separate Department of Elementary School "Petar Kočić" in Ljukovo", rad prikazan na Međunarodnoj izložbi „33. međunarodni Salon urbanizma“, kategorija – Urbanistički projekti i realizacije, 08.11.2024-13.11.2024. godine, i objavljen u dvojezičnom katalogu izložbe sa recenzijama i selekcionim odborom, str. 87, ISBN: 978-86-84275-52-5, Izdavač: Udruženje urbanista Srbije, Bijeljina, Bosna i Hercegovina, 2024., Bijeljina, Udruženje urbanista Srbije, 2024, ISBN 978-86-84275-52-5
4. Milinković A., Brkljač D., Škorić S., Šanjević I., Stantić M., Prokin T., Mrkalj K., Žerajić T., Živić O.: „Architectural and Urban Solution of the Health Center Building in Podgorica (Montenegro) with a Proposal for Arrangement of the Exterior Spaces“, rad prikazan na Međunarodnoj izložbi „33. međunarodni Salon urbanizma“, kategorija – Konkursi, 08.11.2024-13.11.2024. godine, i objavljen u dvojezičnom katalogu izložbe sa recenzijama i selekcionim odborom, str. 109, ISBN: 978-86-84275-52-5, Izdavač: Udruženje urbanista Srbije, Bijeljina, Bosna i Hercegovina, 2024., Bijeljina, Udruženje urbanista Srbije, 2024, ISBN 978-86-84275-52-5
5. Mitrović P., Tadić T.: "Industrijska arheologija" u kategoriji „Studentski radovi“ na međunarodnoj izložbi 24. Salon arhitekture Novi Sad, Društvo arhitekata Novog Sada, 2024
6. Mitrović P.: "Dekonstrukcija urbanog artefakta: tri dvorca" u kategoriji "Studentski radovi" na međunarodnoj izložbi 24. Salon arhitekture Novi Sad, Društvo arhitekata Novog Sada, 2024
7. Mitrović P.: "Dekonstrukcija urbanog artefakta: tri dvorca", međunarodna izložba Studentskog Bijenala Scenskog dizajna u kategoriji: Scenski dizajn van pozorišta, Odsek za umetnost i dizajn, Departman za arhitekturu i urbanizam, Fakultet tehničkih nauka, Novi Sad i SCEN Centar za scenski dizajn, arhitekturu i tehnologiju, 2024
8. Neškov Repić I., Siladi M., Draganić A.: ЛИЦЕ ГРАДА: Фасадне скулптуре и рељефи /THE FACE OF THE CITY: Facade Sculptures and Reliefs. Međunarodna izložba. 27-30.12.2024. Zavod za zaštitu spomenika kulture Grada Novog Sada. , Novi Sad, Platforma za studije kulture CULTstore/Fakultet tehničkih nauka, 2024, ISBN 978-86-82166-11-5
9. Siladi M., Draganić A.: NESTALI NOVI SAD: izgubljeno nasleđe Novog Sada/DISAPPEARED NOVI SAD : The Lost Heritage of Novi Sad Međunarodna izložba. 23-27.12.2024. SULUV , Novi Sad, Platforma za studije kulture CULTstore/Fakultet tehničkih nauka, 2024, ISBN 978-86-82166-10-8

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za scenski dizajn

Zbirni pregled naučno istraživačkih rezultata u 2024. 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
Kustoski rad	M107	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	3
Rad u nacionalnom časopisu kategorije M53	M53	1
Učešće na izložbi	M105	4



PRODUKCIJA - REZULTATI

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

1. Bogdanović N., Pešterac A.: Arhitektura sećanja- umetničko istraživački projekat "Seti me? Raslojavanje Sokolane u Kragujevcu", u ""Staro" i "novo" u muzičkoj umetnost & Umetnost u javnom prostoru", ur. Mandić B. i Atanasijević A., Zbornik radova sa XVIII Međunarodnog naučnog skupa, 27-28. oktobar 2023., Filološko-umetnički fakultet u Kragujevcu, Kragujevac, 2024., Kragujevac, FILUM, 2024, str. 103-122, ISBN 978-86-80596-69-3

Spisak rezultata M107 - Kustoski rad

1. Kojić R., Bošković Živanović R.: PreSalona 2024 "KRUGOVI", 46. Salon arhitekture, Muzej primenjene umetnosti, Galerija Anastas Jovanović, 18.03. – 23.03.2024, prateći program, interdisciplinarna radionica - projekat saradnje, umrežavanja i razmene iskustva realizovan kroz radionice, izložbe radova i prezentacije projekata nastalih u nastavnom procesu 4 fakulteta arhitekture i dizajna: Fakultet primenjenih umetnosti, Univerzitet umetnosti u Beogradu, Arhitektonski fakultet, Univerzitet u Beogradu, Građevinsko-arhitektonski fakultet, Univerzitet u Nišu, Fakultet tehničkih nauka, Departman za arhitekturu i urbanizam, Univerzitet u Novom Sadu. Mentori i moderatori: (AF) Doc. dr Maja Dragišić, ass Snežana Zlatković, (FPU) Red.prof mr Tanja Manojlović, docent Biljana Branković, saradnik Mirjana Milakić (GAF) Vanr. Prof. dr Aleksandar Milojković, docent dr Marko Nikolić, saradnik Milan Brzaković, (FTN) Vanr. Prof. dr Romana Bošković, docent Radomir Kojić. katalog dostupan na https://mpu.rs/wp-content/uploads/2024/06/PreSalona2024_poster-katalog.pdf, Beograd, Muzej primenjene umetnosti, 2024

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Babić T., Krklješ M.: Emergence, development and transformation of villa zones in Novi Sad during the 20th century, 9. IX INTERNATIONAL CONFERENCE CONTEMPORARY ACHIEVEMENTS IN CIVIL ENGINEERING, Subotica, 25-26 April, 2024, pp. 544-559, ISBN ISBN 978-86-80297-98
2. Babić T., Krklješ M.: Research by design – fostering students' creativity by implementation of workshops in architectural education, 16. Savremena teorija i praksa u graditeljstvu, Banja Luka, 13-14 June, 2024, pp. 259-268, ISBN ISSN 2566-4484
3. Sekulić D.: From Stage to Structure: Investigating Theatrical Influences on Architectural Design / Abstract: The scope of this work aims to explore relations between architecture and theatre in hope of discovering new interactions between these two interdisciplinary fields of research. Let us hypothesize that theatre has historically benefited more than architecture in terms of its overall development. Is this in fact the case? I believe that to even begin thinking about a possible answer to this question one must first define the scope of these phenomena in this contemporary setting. How can we define contemporary architecture and contemporary theatre? If we take Harman's approach, we can begin the research by answering two basic questions: (1) What an object is made from, whether historically or compositionally, or (2) we can ask what an object does, whether to other objects or to our own minds and senses. Afterwards repeating the same process for theatre, simultaneously developing our own discursive position. In search for possible answers to these questions this work inspects some philosophical reflections about the relation of politics and art in theatre by Alain Badiou and juxtaposes them with reflections of Reinier de Graaf on the transformation of architecture as a profession. Besides having philosophical and experiential reflections on theatre and architecture as the main research grounds, some theoretical assumptions taken from Graham Harman's method of analysing architecture through Object-oriented ontology are also used in the comparative analysis of contemporary architecture and theatre practices. Eventually the main objective of this work is to confront ideas deriving from contemporary theatrical and architectural practices, using the Object-oriented ontology method to inquire possible overlaps between the two professions. Moreover, to inquire how have the sensory qualities of theatre shaped the perception and creation of real qualities in architecture? Keywords: architecture, theatre, art, politics, sensory qualities, real qualities, object-oriented ontology International Scientific and Professional Conference Life is Serious; Art Serene: Architectural-Scenic Research (1; Novi Sad; 2024); Book of Abstracts - <https://scen.uns.ac.rs/h-content/uploads/2024/04/BOOK-OF-ABSTRACTS-scen.pdf>, 1. International scientific and professional conference Life is Serious; Art Serene: Architectural-Scenic Research, Novi Sad: Fakultet tehničkih nauka, 23-25 October, 2024, pp. 52-53, ISBN 978-86-6022-695-4

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Bošković Živanović R., Pešterac A.: (Up)building of the National Theatre in Subotica, International scientific and professional conference - Life is serious: art serene, October 23-25, Faculty of Technical Sciences, Novi Sad, Serbia, 1. International scientific and professional conference Life is Serious; Art Serene: Architectural-Scenic Research, Novi Sad: SCEN - FTN, 23-25 October, 2024, pp. 50-50, ISBN 978-86-6022-695-4
2. Pešterac A., Babić T.: Kibic walk as a creative tool in scene architecture, International scientific and professional conference - Life is serious: art serene, October 23-25, Faculty of Technical Sciences, Novi Sad, Serbia, 1. International scientific and professional conference Life is Serious; Art Serene: Architectural-

3. Vilotić D.: Stručni rad pod nazivom "Tactile Scenographies", International scientific and professional conference *Life is Serious; Art Serene: Architectural-Scenic Research*, October 23-25, 2024., 2024, Vol. 1, No. 1, pp. 34-35, ISSN 978-86-6022-695-4, 1. *International scientific and professional conference Life is Serious; Art Serene: Architectural-Scenic Research*, Novi Sad: Fakultet tehničkih nauka, 23-25 October, 2024, pp. 34-35, ISBN 978-86-6022-695-4

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Sekulić D.: U POTRAZI ZA NOVIM INTERAKCIJAMA ARHITEKTURE I POZORIŠTA – IDEJNO REŠENJE PLESNOG POZORIŠTA „ČEŠKI MAGACIN“ / Ovaj rad obuhvata teorijsko istraživa-nje ključnih pojmova, a na osnovu radova drugih autora: prostor (prostor-vreme), dramaturgija prostora, grad, tekstualnost, ideologija; pritom istovremeno gradeći je-dinstvenu diskurzivnu poziciju. Dakle teorijsko istraži-vanje čini osnovu rada iz koje kasnije proističe manifest pozorišta – lični stav o pozorištu. U ovom manifestu postavljam ideologiju na kojoj će pozorište biti utemeljeno, dok kroz analizu referentnih primera istražujem različite pristupe procesa očuvanja objekata industrijskog nasleđa i gradim kritički stav prema uticaju pozorišta na savremeno društvo. Ishod ovog rada jeste idejno rešenje plesnog pozorišta „Češki magacin“, sa ciljem da postane mesto okupljanja koje će negovati zajedništvo kroz umetnost, kulturu, ples i tehnologiju., Zbornik radova Fakulteta tehničkih nauka, 2024, Vol. 39, No. 1, pp. 161-164, ISSN 0350-428X, UDK: 792

Spisak rezultata M105 - Učešće na izložbi

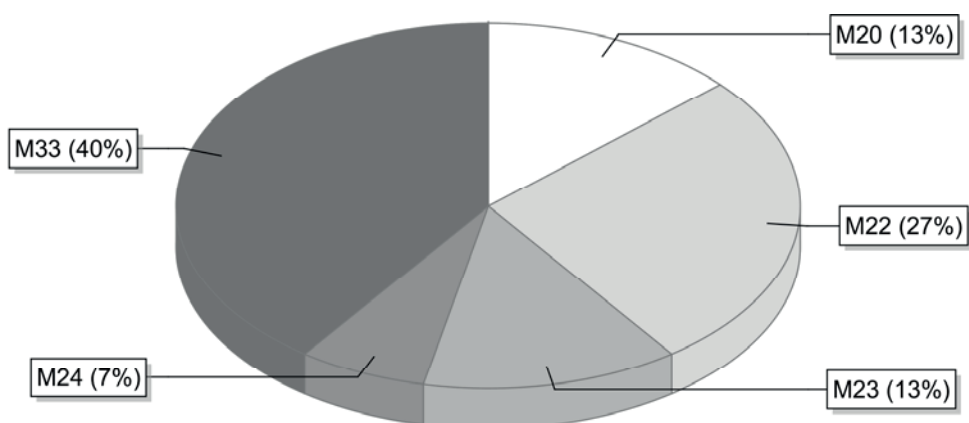
1. Babić T., Dimitrijević J., Sekulić D.: „Impuls festival“, autor sa T. Babić, J. Dimitrijević i studentima IV godine OAS Scenska arhitektura, tehnika i dizajn (generacija 2020/21), Fakultet tehničkih nauka iz Novog Sada; projekat izložen na međunarodnoj žiriranoj izložbi 24. Salona arhitekture u Novom Sadu (članovi žirija: Mia Roth Čerina, Bratislav Tošković, Andrej Strehovec, Vesna Cagić Milošević, Martin Panovski, Vladimir Kulić), katalog na srpskom i engleskom jeziku, (str. 75) ISBN 978-86-81662-08-3 (https://dans.org.rs/wp-content/uploads/2025/03/24.-SaNS_katalog.pdf), Novi Sad, Društvo arhitekata Novi Sad, 2024, str. 75-75, ISBN 978-86-81662-08-3
2. Babić T., Kojičić D.: „Almaški lep“, projekat: radionice i šetajuća izložba, Projekat prikazan na međunarodnoj žiriranoj izložbi: On architecture - Shaping the city through architecture, Strand,, Beograd, STRAND, 2024, ISBN 978-86-89111-36-1
3. Babić T., Pešterac A.: Kibic šetnja, Projekat prikazan na međunarodnoj žiriranoj izložbi povodom Konkursa za dodelu Nagrade Ranko Radović, Zadužbina Ilije Miroslavljevića Kolarca, Beograd, 23-29.12.2024; , Beograd, ULUPUDS,, 2024, ISBN 978-86-6213-140-9
4. Sekulić D.: U potrazi za novim interakcijama arhitekture i pozorišta - Plesno pozorište "Češki magacin" / Projektni deo master rada izložen na regionalnoj izložbi studentskih radova STUBI 2 u okviru Bijenala scenskog dizajna 2024. godine (rad izabran u zvaničnoj selekciji radova za katalog i izložbu u kategoriji "Scenska arhitektura" - <https://scen.uns.ac.rs/projects/objava-selekcije-za-katalog/>), Novi Sad, Fakultet tehničkih nauka, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za teorije i interpretacije prostora u arhitekturi i urbanizmu

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	2
Rad u međunarodnom časopisu kategorije M22	M22	4
Rad u međunarodnom časopisu kategorije M23	M23	2
Rad u vodećem nacionalnom časopisu kategorije M24	M24	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	6



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Bajšanski I., Savić S., Dunjić J., Milošević D., Stojaković V., Tepavčević B.: Mitigating urban heat island effects using trees in planters with varied crown shapes, *Energy and Buildings*, 2024, No. ENB_115034, ISSN 0378-7788
2. Dubljević S., Tepavčević B., Stefanović A., Anđelković A.: BIM to BREEAM: A workflow for automated daylighting assessment of existing buildings, *Energy and Buildings*, 2024, Vol. 312, No. 114208, pp. 1-15, ISSN 0378-7788

Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

1. Bajšanski I., Stojaković V., Tepavčević B., Jovanović M.: A Parametric Approach for Evaluating Solar Panel Insolation in Urban Areas: Courtyard Design Case Study, *Geographica Pannonica*, 2024, Vol. 28, No. 2, pp. 115-130, ISSN 0354-8724
2. Jovanović M., Vučić M., Stojaković V., Tepavčević B., Raković M.: Creating Terracotta Panels through Grayscale Image Processing and Robotic Hotwire Cut Molds, *Computers and Graphics*, 2024, ISSN 0097-8493
3. Medaković J., Atanacković-Jeličić J., Ecet D., Nedučin D., Krklješ M.: The Interplay between Spatial Layout and Visitor Paths in Modern Museum Architecture, *Buildings*, 2024, Vol. 14, No. 7, ISSN 2075-5309
4. Štulić R., Petrović M., Malešević B.: Petrović M., Stulić R. Malešević B: Cassinian Focal-Directorial Curves. Geometric Genesis and Form Variation, *Nexus Network Journal*, 2024, Vol. 26, No. 4, pp. 829-852, ISSN 1590-5896

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Subotić I., Kisić V., Nedučin D.: Cultural heritage in the face of climate change: from protection to decolonization, *Journal of the Serbian Chemical Society*, 2024, Vol. 89, No. 5, pp. 773-783, ISSN 0352-5139
2. Šunjević M., Nedučin D., Božović R., Sremački M., Obrovski B., Subotić I.: Effects of urban vegetation on PM mitigation: The case of a street in Novi Sad, *Journal of the Serbian Chemical Society*, 2024, Vol. 89, No. 5, pp. 743-756, ISSN 0352-5139

Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

1. Bajšanski I., Stojaković V., Tepavčević B., Jovanović M.: A Parametric Approach for Evaluating Solar Panel Insolation in Urban Areas: Courtyard Design Case Study, *Geographica Pannonica*, 2024, Vol. 28, No. 2, pp. 115-130, ISSN 1820-7138

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

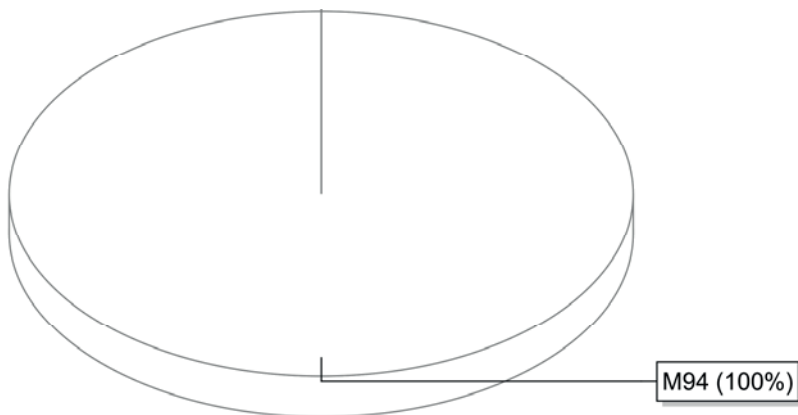
1. Dubljević S., Tepavčević B., Stefanović A., Jezdić K., Anđelković A.: Opportunities and limitations for integration of the Green Building Certification System in the BIM environment, *9. SpliTech - International Conference on Smart and Sustainable Technologies*, Bol: Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, 25-28 June, 2024, ISBN 978-953-290-134-4
2. Jovanović M., Čilag A., Vučić M., Babić I., Raković M., Stojaković V., Tepavčević B.: Challenges in Polystyrene Mold Making for Clay Panels Using Robotic Hotwire Carving, *33. IEEE International Conference on Robotics in Alpe-Adria-Danube Region - RAAD*, Cluj-Napoca: Springer Nature Switzerland, 12-14 June, 2024, pp. 495-502, ISBN 978-3-031-59256-0
3. Miljković T., Jovanović M.: Production of City Scale-Models Using Laser Engraving and 3D Printing Techniques, *JOURNAL OF INDUSTRIAL DESIGN AND ENGINEERING GRAPHICS*, 2024, Vol. 19, No. 1, pp. 223-228, ISSN 2344-4681, *9. International Conference on Engineering Graphics and Design ICEGD*, Cluj-Napoca, 14-15 June, 2024, pp. 223-228, ISBN 2344-4681
4. Stojaković V., Đurić I., Obradović M., Miljković T.: A Combined Approach for Image-based Virtual Reconstruction of Damaged Architectural Heritage - A case study of St. Rudolf Church in Banostor, *42. eCAADe*, Nicosia: eCAADe, 11-13 September, 2024, pp. 219-228, ISBN 9789491207389
5. Šunjević M., Obrovski B., Nedučin D., Tošić N., Dubljević S., Rajs V.: PM POLLUTION ON CONSTRUCTION SITES IN SERBIA: CURRENT STATE AND TRENDS, HEALTH AND ENVIRONMENTAL EFFECTS, *2. EUROSIA*, Vrnjačka Banja, 15-18 May, 2024, pp. 14-22, ISBN 978-86-6022-676-3
6. Vasiljević I., Bobić A., Mišćević M., Obradović M., Draganić A., Siladić M., Kuzmanović N., Obradović R.: LEARNING WITH DIGITIZED CULTURAL HERITAGE- A VIRTUAL JOURNEY THROUGH NOVI SAD, *13. XIII INTERNATIONAL CONFERENCE OF SOCIAL AND TECHNOLOGICAL DEVELOPMENT - STED 2024*, Trebinje: University PIM, Banja Luka, Republic of Srpska, Bosnia and Herzegovina, 6-9 June, 2024, pp. 296-303, ISBN 978-99955-40-79

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za umetnost

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Učešće na izložbi	M105	1



PRODUKCIJA - REZULTATI

Spisak rezultata M105 - Učešće na izložbi

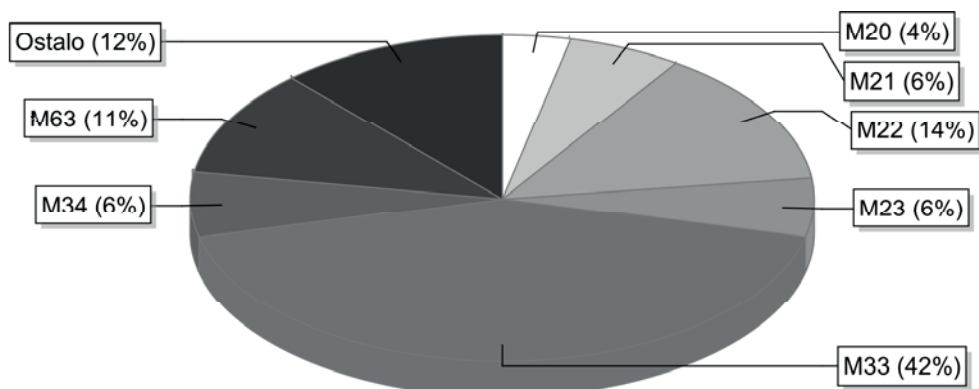
1. Babić T., Dimitrijević J., Sekulić D.: „Impuls festival“, autor sa T. Babić, J. Dimitrijević i studentima IV godine OAS Scenska arhitektura, tehnika i dizajn (generacija 2020/21), Fakultet tehničkih nauka iz Novog Sada; projekat izložen na međunarodnoj žiriranoj izložbi 24. Salona arhitekture u Novom Sadu (članovi žirija: Mia Roth Čerina, Bratislav Tošković, Andrej Strehovec, Vesna Cagić Milošević, Martin Panovski, Vladimir Kulić), katalog na srpskom i engleskom jeziku, (str. 75) ISBN 978-86-81662-08-3 (https://dans.org.rs/wp-content/uploads/2025/03/24.-SaNS_katalog.pdf), Novi Sad, Društvo arhitekata Novi Sad, 2024, str. 75-75, ISBN 978-86-81662-08-3

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za industrijsko inženjerstvo i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	3
Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14	M28b	1
Glavni i odgovorni urednik nacionalnog časopisa	M29b	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	6
Rad u vodećem međunarodnom časopisu kategorije M21	M21	10
Rad u međunarodnom časopisu kategorije M22	M22	23
Rad u međunarodnom časopisu kategorije M23	M23	10
Rad u vodećem nacionalnom časopisu kategorije M24	M24	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	72
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	11
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja	M42	1
Rad u nacionalnom časopisu kategorije M52	M52	3
Rad u nacionalnom časopisu kategorije M53	M53	3
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	18
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1
Priznat patent u Republici Srbiji	M92	1

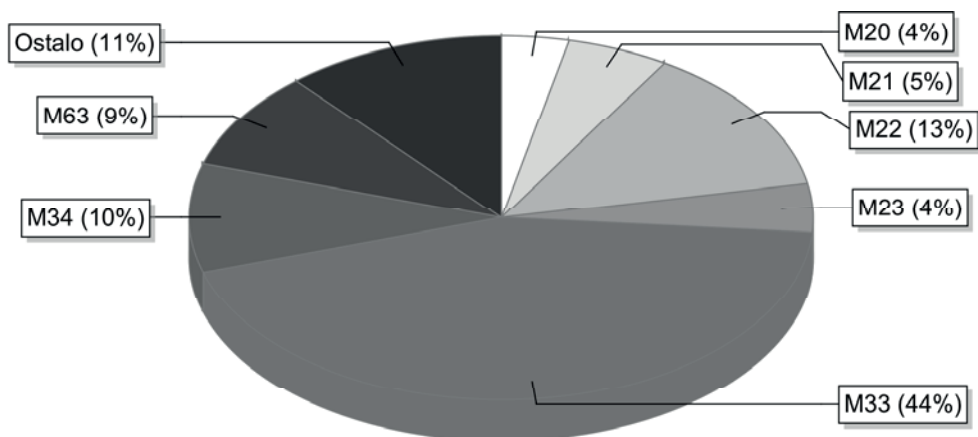


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za proizvodne sisteme, organizaciju i menadžment

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	2
Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14	M28b	1
Glavni i odgovorni urednik nacionalnog časopisa	M29b	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	6
Rad u međunarodnom časopisu kategorije M22	M22	15
Rad u međunarodnom časopisu kategorije M23	M23	5
Rad u vodećem nacionalnom časopisu kategorije M24	M24	2
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	50
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	11
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1
Monografija nacionalnog značaja	M42	1
Rad u nacionalnom časopisu kategorije M52	M52	1
Rad u nacionalnom časopisu kategorije M53	M53	2
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	10



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Doroslovački K., Gradojević N., Christine Tarnaud A.: A novel market sentiment analysis model for forecasting stock and cryptocurrency returns, IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2024, pp. 1-12, ISSN 2168-2216
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Spisak rezultata M28b - Uređivanje istaknutog međunarodnog naučnog časopisa (gost urednik) ili publikacije sa monografskim delima kategorije M14

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2. Jokanović Đajić M., Čirić Lalić D., Vujičić M., Stankov U., Petrović (Đogo) M., Đurić Ž.: Development and validation of the project manager skills scale (PMSS): An empirical approach, Heliyon, 2024, No. January 2024, E25055, ISSN 2405-8440
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4. Lu Z., Luo Y., Penčić M., Oros D., Čavić M., Đukić V., Krasnik R., Mikov A., Orošnjak M.: Development of a Virtual Robot Rehabilitation Training System for Children with Cerebral Palsy: An Observational Study, Sensors, 2024, Vol. 24, No. 24, pp. 1-24, ISSN 1424-8220, UDK: DOI: 10.3390/s24248138
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7. Marjanović U., Mester G., Milic Marjanovic B.: Assessing the success of artificial intelligence tools: An evaluation of chatGPT using the information system success model, *Interdisciplinary Description of Complex Systems*, 2024, Vol. 22, No. 3, pp. 266-275, ISSN 1334-4684
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11. Popović Lj., Sremčev N., Purković D., Ćosić I.: Chemical Engineering in Technical and Technological Culture, *Journal of the Serbian Chemical Society*, 2024, Vol. 89, No. 5, pp. 757-772, ISSN 0352-5139
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Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

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Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Miškić M., Benović A., Gačić A., Sremčev N.: Research Into the Causes of Melting Chamber Beams Breakage with Development and Construction of New Beams, 8. *Research-expert conference with international participation "MAINTENANCE"*, Zenica: University of Zenica, Faculty of Mechanical Engineering, 13-14 November, 2024, pp. 1-10, UDK: ISSN 1986-583X

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Aleksandra S., Fajsi A., Morača S., Borocki J., Vekić A.: Essential project management skills for successful entrepreneurial leadership, 1. *Future-BME Conference*, Novi Sad, 30-31 October, 2024
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3. Anišić Z., Peić Tukuljac E.: Smart Solutions for Smart Cities - VETSOL, 1. *Future-BME Conference*, Novi Sad: Fakultet tehničkih nauka u Novom Sadu, 30-31 October, 2024
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5. Banduka N., Marjanović U.: DETERMINATION OF THE MAIN RISK FACTORS INFLUENCING THE PROJECT SUCCESS: A SYSTEMATIC LITERATURE REVIEW, 1. *Future-BME Conference*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 30-31 October, 2024
6. Bitakou E., Demestichas K., Ntaliani M., Costopoulou C., Constantinou C., Milioti A., Čupina B., Magazin N., Radišić M., Calders J., Pieters J., Kemeltaeva A., Uyttenhove K.: Enhancing Digital Agriculture Education: A Student Perspective, 1. *EU-CONEXUS EENVIRO Research Conference - "Sustainable Solutions for Energy and Environment"*, Bukurešt: European University for Smart Urban Coastal Sustainability, 29-31 October, 2024
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8. Bošković (Vujičić) D., Spajić (Stanković) J., Milić B., Mitrović K., Lalić D.: THE USE OF ARTIFICIAL INTELLIGENCE IN CREATIVE ADVERTISING CAMPAIGNS, 1. *Future-BME Conference*, Novi Sad, 30-31 October, 2024
9. Crnobrnja J., Ćirić Lalić D., Romero D., Softic S., Marjanović U.: Digital Transformation Towards Human-Centricity: A Systematic Literature Review, 29. *Advances in Production Management Systems (APMS)*, Hemnic: Springer, 8-12 September, 2024, pp. 89-102
10. Ćirić Lalić D., Lalić B., Marjanović U., Savković M., Rakić S.: A Bibliometric Analysis Approach to Review Mass Customization Scientific Production, 26. *Advances in Production Management Systems (APMS)*, Nant: Springer, Cham, 5-9 September, 2021, pp. 328-338
11. Ćirić Lalić D., Marjanović U., Savković M., Lalić B., Ivanišević A.: Integrating Multilayered Agility into Production Planning and Control: A Conceptual Model for Enhanced Manufacturing Efficiency, 29. *Advances in Production Management Systems (APMS)*, Hemnic: Springer, 8-12 September, 2024, pp. 17-30
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13. Dragutinović J., Fajsi A., Morača S., Moljević S., Sudžum R.: Key success factors of agile transformation in manufacturing companies, 7. *International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA*, Istočno Sarajevo, 14-16 November, 2024
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16. Gradojević N., Đaković V., Marković S.: LEADERSHIP AS A FACTOR IN DESIGNING A FLEXIBLE COMPANY'S ORGANIZATIONAL MODEL IN DYNAMIC BUSINESS CONDITIONS, *1. Future-BME Conference*, Novi Sad: UNIVERSITY OF NOVI SAD, FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT, 30-31 October, 2024, pp. 602-607, ISBN 978-86-6022-723-4
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24. Leoste J., Pöial J., Kivisalu E., Marjanović U., Rakić S., Robal T.: Integration of Artificial Intelligence in Higher Education Programming Courses: Insights from Student Perspectives and Practices, *27. International Conference on Interactive Collaborative Learning (ICL)*, Talin, 24-27 September, 2024
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28. Miletić J., Anišić Z.: Personalizing Fashion in the Metaverse: The Role of NFTs in Transforming Digital Consumer Experiences, *11. International Conference on Mass Customization and Personalization in Central Europe MCP-CE*, Novi Sad: Fakultet tehničkih nauka u Novom Sadu, 24-27 September, 2024, pp. 177-183, ISBN 978-86-6022-686, UDK: 005:001.895(4)(082); 005.591.6(4)(082)
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34. Rakić S., Markoski B., Premčevski V., Sofić A., Leoste J.: Bridge the gap: A Usability Platform Test Method for Enhanced EdTech-Academia Collaboration, *14. EMC-International Symposium Engineering Management and Competitiveness*, Zrenjanin: Univerzitet u Novom Sadu, Tehnički fakultet "Mihajlo Pupin", 21-22 June, 2024, pp. 270-273, ISBN 978-86-7672-374-4
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36. Slavić D., Komosar A., Stefanović D., Rakić S.: CYBERSECURITY IN INDUSTRIAL INTERNET OF THINGS AND COLLABORATIVE ROBOTS: INDUSTRY 5.0 PERSPECTIVE, *1. Future-BME Conference*, Novi Sad, 30-31 October, 2024
37. Slavić D., Markoski B., Premčevski V., Bašić K., Rakić S.: Lean philosophy and Industry 5.0: a bibliometric analysis approach, *14. EMC-International Symposium Engineering Management and Competitiveness*, Zrenjanin: Univerzitet u Novom Sadu, Tehnički fakultet "Mihajlo Pupin", 21-22 June, 2024, pp. 74-78, ISBN 978-86-7672-374-4
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40. Spajić (Stanković) J., Milošević N., Bošković (Vujičić) D., Milić B., Lalić D.: MARKETING IN IT INDUSTRY: AN ANALYSIS OF GRADUATES' COMPETENCIES AND CAREER PATHS, *1. Future-BME Conference*, Novi Sad, 30-31 October, 2024
41. Spajić (Stanković) J.: AI vs. Human designers: Evaluating the effectiveness of AI-generated visual content in digital marketing, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad, 14-16 November, 2024, pp. 387-394, ISBN 978-86-6022-699-2
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45. Šikoparija G., Čulibrk J., Jokanović B., Simeunović N., Bošković (Vujičić) D.: In the Face of New Global Business Challenges With Strong Responsibility of the Individual Towards Work, *1. Future-BME Conference*, Novi Sad: Faculty of Technical Sciences, 30-31 October, 2024
46. Topalić J., Mučenski V., Ivanišević A.: THE FINANCIAL AND ECONOMIC RISKS IN THE RISK ASSESSMENT MODEL MADE FOR WASTEWATER TREATMENT PLANT, *1. Future-BME Conference*, Novi Sad, 30-31 October, 2024, ISBN 978-86-6022-723
47. Vidović D., Sremčev N., Jerinić B.: A Method for Choosing the Location of Production Systems Using a Multidisciplinary Approach, *1. Future-BME Conference*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 30-31 October, 2024, pp. 795-804, ISBN 978-86-6022-723-4
48. Vržina S., Conić N.: Does the accounting department provide tax compliance of companies?, *3. COAST International Conference on Advances in Science and Technology*, Herceg Novi: Faculty of Management Herceg Novi, 29-1 May, 2024, ISBN 978-9940-611-08-8
49. Zeljković M., Dragan D., Popov S., Vranić (Novaković) T.: Quarterly Trends in Soil Moisture and Air

Temperature: A Python-Based Analysis, *14. International Conference on Applied Internet and Information Technologies - AIIT*, Zrenjanin: University of Novi Sad, Technical Faculty "Mihajlo Pupin" Zrenjanin, 8 November, 2024, pp. 132-139, ISBN 978-86-7672-379-9

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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Biorac T., Fajsi A., Morača S.: Examining the relationship between contractors and subcontractors in telecommunication projects: Causes of disputes and prevention strategies, *8. International Conference on Applied Research in Management, Business and Economics*, Amsterdam, 28-30 June, 2024
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5. Medić N., Slavić D., Popović Lj.: Integrating Green and Digital Skills in E-learning for Sustainable Education: A Case Study, *1. International Conference on Trends and Challenges in Digital Education*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 8-10 November, 2024, pp. 8-8, ISBN 978-86-6022-704-3
6. Popović Lj., Laban M., Draganić (Vukoslavčević) S., Popov S., Marković M., Medić N.: Advancing Climate Action in Higher Education through Digital Innovations: The 1FUTURE Erasmus+ Project, *1. International Conference on Trends and Challenges in Digital Education*, Novi Sad: Faculty of Technical Sciences, Novi Sad, 8-10 November, 2024, pp. 18-18, ISBN 978-86-6022-704-3
7. Rakić S., Mumcu F., Infagner E., Infagner G., Janika L.: Enhancing EdTech Solutions through Comprehensive Usability Testing: The Role of the Usability Platform Test, *1. International Conference on Trends and Challenges in Digital Education*, Novi Sad, 8-10 November, 2024, ISBN 978-86-6022-704-3
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1. Džolev I., Medić N., Mučenski V.: Conference Proceedings of the 51st International Symposium on Operational Research SYM-OP-IS 2024, *51. SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 1-643, ISBN 978-86-6022-703-6

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Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

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

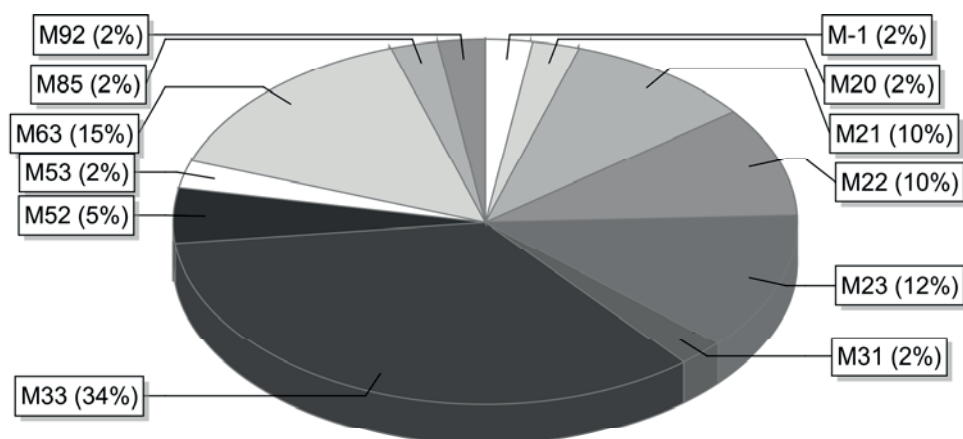
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2. Conić N., Demko-Rihter J.: Modifikacija ugovora o zakupu u skladu sa MSFI16, 4. Računovodstvena znanja kao činilac ekonomskog i društvenog napretka , Kragujevac: Ekonomski fakultet u Kragujevcu, 17 Jun, 2024, pp. 455-464, ISBN 978-86-6091-154-6
3. Gradojević N., Ralević N., Đaković V.: Veštačka inteligencija i mašinsko učenje – trendovi razvoja etičkih primena, 30. Trendovi razvoja TREND , Vrnjačka Banja: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, 7-10 Februar, 2024, pp. 189-192, ISBN 978-86-6022-635-0, UDK: 378-057.1(082)
4. Medić N., Stevanov B., Rakić S., Slavić D., Čulibrk J., Tasić N.: Bibliometric Trends in Operations Management: Industry 5.0 Perspective, 30. Skup "Trendovi razvoja" - TREND , Vrnjačka Banja: Fakultet tehničkih nauka, Univerziteta u Novom Sadu, 7-10 Februar, 2024, pp. 137-140, ISBN 978-86-6022-635-0
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8. Rikalović A., Simeunović N., Radumilo B., Zečević I., Bajić B.: Trends in Academic Performance in the Engineering Management Study Program of the Faculty of Technical Sciences Novi Sad, 30. Trendovi razvoja TREND , Vrnjačka Banja: FTN, 7-10 Februar, 2024, pp. 204-207, ISBN 978-86-6022-635-0
9. Slavić D., Simeunović N., Medić N., Rakić S.: Obrazovanje 5.0: Budući trendovi u visokom obrazovanju, 30. Skup "Trendovi razvoja" - TREND , Vrnjačka Banja: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 7-10 Februar, 2024, pp. 157-160, ISBN 978-86-6022-635-0
10. Spajić (Stanković) J., Komosar A., Kijanović S., Bošković (Vujičić) D., Milić B.: Izučavanje marketinških predmeta u obrazovanju inženjera informacionih tehnologija, 30. Trendovi razvoja TREND , Vrnjačka Banja: Fakultet tehničkih nauka, Novi Sad, 7-10 Februar, 2024, pp. 216-219, ISBN 978-86-6022-635-0

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za mehatroniku, robotiku i automatizaciju

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	4
Rad u međunarodnom časopisu kategorije M22	M22	4
Rad u međunarodnom časopisu kategorije M23	M23	5
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	14
Rad u nacionalnom časopisu kategorije M52	M52	2
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	6
Prototip, nova metoda, softver, standardizovan ili atestiran instrument,	M85	1
Priznat patent u Republici Srbiji	M92	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Mastilović J., Kevrešan Ž., Kukolj D., Kovač R., Ubiparip D., Stankovski S., Ostojić G., Đerić M.: Sensors in postharvest technologies: Evidence from patent portfolio analysis, *Postharvest Biology and Technology*, 2024, Vol. 208, No. 112628, pp. 1-14, ISSN 0925-5214

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

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Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

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2. Lu Z., Luo Y., Penčić M., Oros D., Čavić M., Đukić V., Krasnik R., Mikov A., Orošnjak M.: Development of a Virtual Robot Rehabilitation Training System for Children with Cerebral Palsy: An Observational Study, *Sensors*, 2024, Vol. 24, No. 24, pp. 1-24, ISSN 1424-8220, UDK: DOI: 10.3390/s24248138
3. Mandić J., Sremčev N., Piaux J., Vrhovac V., Kučević D., Stankovski S.: Streamlining Construction Operations: A Holistic Approach with A3 Methodology and Lean Principles, *Buildings*, 2024, Vol. 14, No. 8, ISSN 2075-5309
4. Stojanović G., Popović Ž., Milić L., Simić M.: Potato peels-based electrodes for recording ECG and EMG signals, *Sensing and Bio-Sensing Research*, 2024, Vol. 44, No. 100664, ISSN 2214-1804

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4. Stojanović G., Radovanović M., Kojić S., Milić L., Simić M., Kojić T., Duval R., Vukmirović J., Petrović B.: Temperature Sensors Manufactured from Edible Materials Intended for Oral Cavity Operation, *International Journal of Precision Engineering and Manufacturing-Green Technology*, 2024, No. 11, pp. 221-231, ISSN 2198-0810

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2. Bošković A., Sremački M., Vještica S., Čavić A., Marković N., Borovac B.: Sulphur hexafluoride in modern medium-voltage switchgear: advantages, hazards, and environmental impact, Special edition "15 years of Professor Emeritus UNS", *Journal of the Serbian Chemical Society*, 2024, ISSN 0352-5139
3. Dakić N., Jurošević V., Reljić V., Milenković I., Dudić S., Šulc J.: Augmented Reality System for Instructed and Visualized Pallet Loading, *Acta Polytechnica Hungarica, Journal of Applied Sciences*, 2024, Vol. 21, No. 6, pp. 263-284, ISSN 1785-8860
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Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

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2. Dakić N., Reljić V., Dudić S., Jurošević V., Damnjanović F.: Desktop Application For Pneumatic Didactic Component Recognition , *7. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA*, Istočno Sarajevo: University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, 14-16 November, 2024, pp. 214-221, ISBN 978-99976-085-2-9
3. Dakić N., Reljić V., Racković L., Dudić S., Milenković I., Šulc J., Jurošević V.: Didactic Model of a Beeswax Foundation Sheet Forming Machine, *10. International scientific conference Technics and Informatics in Education – TIE*, Čačak, 20-22 September, 2024, pp. 320-324, ISBN 978-86-7776-276-6
4. Jovanović D., Bačkalić S., Pljakić M., Tarjan L.: Traffic safety management system based on spatial data analysis, *3. IMPROVING ROAD TRAFFIC SAFETY*, Skoplje: REPUBLIC COUNCIL ON ROAD TRAFFIC SAFETY, 30 May, 2024
5. Jovanović M., Čilag A., Vučić M., Babić I., Raković M., Stojaković V., Tepavčević B.: Challenges in Polystyrene Mold Making for Clay Panels Using Robotic Hotwire Carving, *33. IEEE International Conference on Robotics in Alpe-Adria-Danube Region - RAAD*, Cluj-Napoca: Springer Nature Switzerland, 12-14 June, 2024, pp. 495-502, ISBN 978-3-031-59256-0
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7. Milić L., Radovanović M., Simić M., Qureshi S., Micić Đ., Stojanović G.: Development of E-Tattoo Sensors for Monitoring of Plants Hydration Level, *22. Mediterranean Electrotechnical Conference MELECON*, Porto, 25-27 June, 2024
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9. Pavlović R., Mitričević N., Savić S.: UWB Sensor Performance in UGV 'Follow me' Applications with Obstacle Interference, *11. International Scientific Conference on Defensive Technologies - OTEH*, Tara: Vojnotehnički institut, Beograd, 9-11 October, 2024, pp. 301-306, ISBN 978-86-81123-94-2
10. Stankovski S., Ostojić G., Tegeltija S., Stanojević M., Babić M., Zhang X.: Generative AI Applications and Tools in Engineering Education, *23. International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina, 20-22 March, 2024, pp. 1-4
11. Stankovski S., Ostojić G.: DEVELOPMENT OF TASKS FOR TRAINING IN PLC PROGRAMMING USING GENERATIVE ARTIFICIAL INTELLIGENCE, *7. International Scientific Conference "Conference on Mechanical Engineering Technologies and Applications" - COMETA*, Istočno Sarajevo, 14-16 November, 2024, pp. 173-181
12. Šenk I., Tegeltija S., Tarjan L.: Machine Learning in Modern SCADA Systems: Opportunities and Challenges (<https://doi.org/10.1109/INFOTEH60418.2024.10495967>), *23. International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina: IEEE, 20-22 March, 2024, pp. 1-5, ISBN 979-8-3503-2994-0
13. Šulc J., Reljić V., Dakić N., Jurošević V.: Integration of One Pneumatic Solution with a CNC Device for the Realization of the Perforation Process, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: Faculty of Technical Sciences, Department of Production Engineering, 24-26 September, 2024, pp. 59-62, ISBN 978-86-6022-681-7
14. Tegeltija S., Šenk I., Tarjan L., Ostojić G., Stankovski S.: One solution of low-cost LoRa based IoT modular control device, *1. Future-BME Conference*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad (Serbia), 30-31 October, 2024, pp. 699-706, ISBN 978-86-6022-723-4, UDK: (<https://doi.org/10.24867/FUTURE-BME-2024-079>), ISSN 3042-2868

Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

1. Ostojić G., Stankovski S.: IoT Protocols and Cybersecurity Threats, *Journal of Mechatronics, Automation and Identification Technology – JMAIT*, 2024, Vol. 9, No. 1, pp. 1-4, ISSN 2466-3603
2. Stankovski S., Ostojić G., Šiniković G.: Transformation of Learning in Higher Education based on AI-tools,

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Eremić Ž., Mladenović V., Šešlija D., Halas D., Dedić A.: Istraživanje mogućnosti primene GPT u specifičnim inženjerskim analizama, DIT Naučno stručno informativni časopis, 2024, No. 42, pp. 49-58, ISSN 0354-7140

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

1. Ostojić G., Stankovski S.: IMPLEMENTATION OF BLOCKCHAIN TECHNOLOGY IN SUPPLY CHAIN, 51. SYM-OP-IS Simpozijum o operacionim istraživanjima, Tara, 16-19 Septembar, 2024, pp. 210-215
2. Reljić V., Jurošević V., Dudić S., Dakić N., Andrijašević R.: Analiza metode taktnog lanca iz aspekta potrošnje vazduha pod pritiskom i vremena trajanja ciklusa rada, 23. International Symposium INFOTEH-JAHORINA (INFOTEH), Jahorina: Univerzitet u Istočnom Sarajevu, Elektrotehnički fakultet, 20-22 Mart, 2024, pp. 54-59, ISBN 978-99976-996-2-6
3. Reljić V., Šulc J., Novaković M., Jurošević V., Dakić N.: A mechatronic arm as an aid for the development of children's cognitive abilities, 3. COAST International Conference on Advances in Science and Technology, Herceg Novi: Faculty of Management Herceg Novi, 29-1 Maj, 2024, pp. 126-133, ISBN 978-9940-611-08-8
4. Stankovski S., Ostojić G.: Praćenje proizvoda korišćenjem mobilnog računarstva na ivici, 30. YU INFO, Kopaonik, 10-13 Mart, 2024, pp. 208-211
5. Stankovski S., Ostojić G.: STICANJE I PROVERA ZNANJA, VEŠTINA I KOMPETENCIJA KORIŠĆENJEM PLATFORMI I ALATA VEŠTAČKE INTELIGENCIJE, 30. Skup "Trendovi razvoja" - TREND, Vrnjačka Banja, 7-10 Februar, 2024, pp. 236-239
6. Šešlija D., Eremić Ž., Mladenović V.: Istraživanje mogućnosti primene ChatGPT u upravljanju kvalitetom vazduha pod pritiskom, 10. Naučno-stručni skup "Preduzetništvo, inženjerstvo i menadžment", Zrenjanin: Visoka tehnička škola strukovnih studija u Zrenjaninu, 8 Jun, 2024, pp. 93-102, ISBN 978-86-84289-90-4

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

1. Reljić V., Milenković I., Dudić S., Šulc J.: Aplikacije proširene stvarnosti za edukaciju u oblasti pneumatskog upravljanja, 2024

Spisak rezultata M92 - Priznat patent u Republici Srbiji

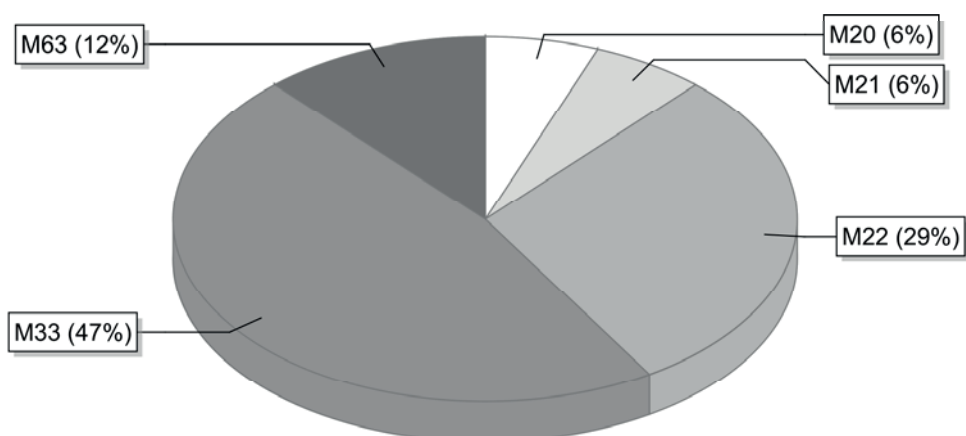
1. Banić M., Stamenković D., Miltenović A., Simonović M., Stankovski S., Ostojić G., Rajić M., Perić M., Tomić M., Pavlović V., Rangelov D., Nikolić V., Rodić A., Šumarac J., Kljajić J.: Sistem i metoda za automatizovanu vizuelnu inspekciju podvozja vozila kao što je voz i primena (П-2022/0869), patent objavljen 29.3.2024, 3/2024, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za informaciono-komunikacione sisteme

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	5
Saopštenje sa međunarodnog skupa štampano u celini	M33	8
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	2



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Vrhovac V., Dakić D., Milisavljević S., Čelić Đ., Stefanović D., Žižakov M.: The Factors Influencing User Satisfaction in Last-Mile Delivery: The Structural Equation Modeling Approach, *Mathematics*, 2024, Vol. 12, No. 12, ISSN 2227-7390

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

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Spisak rezultata M22 - Rad u međunarodnom časopisu kategorije M22

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4. Gutai A., Dukić V., Anderla A., Sladojević S., Arsenović M.: Additive Manufacturing processes: A Systematic Literature Review, *Infotech, Jahorina, 2024*, ISSN konferencija, *23. International Symposium INFOTEH-JAHORINA (INFOTEH)*, Jahorina, 20-22 March, 2024
5. Hrnjak J., Vještica M., Todorović N., Ristić S., Dimitrieski V.: Secura – A Model-Driven Solution for Rapid Security Configuration of Web Applications, *14. International Conference on Information Science and Technology (ICIST)*, Kopaonik: Springer, 10-13 March, 2024, pp. 387-400, ISBN 978-3-031-71418-4
6. Komosar A., Slavić D., Rakić S., Stefanović D.: MAPPING THE INTERSECTION OF CYBERSECURITY AND INDUSTRY 5.0: A BIBLIOMETRIC ANALYSIS, *1. Future-BME Conference*, Novi Sad, 30-31 October, 2024
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Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

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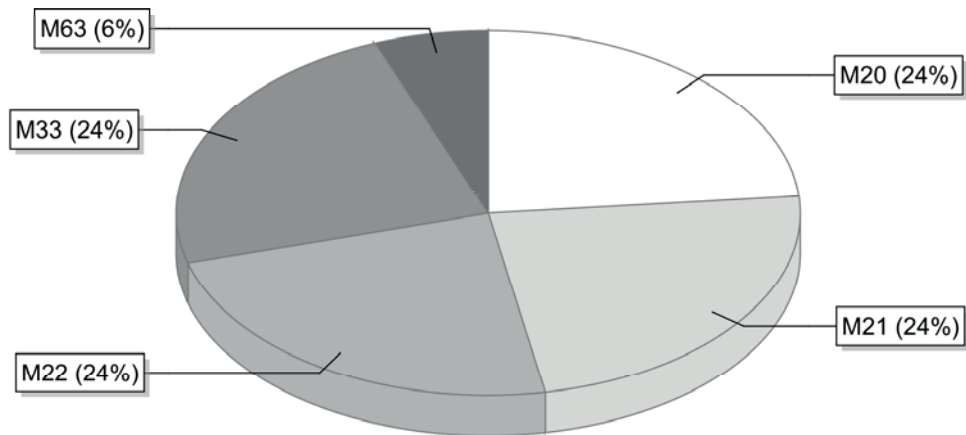
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GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za kvalitet, efektivnost i logistiku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	4
Rad u međunarodnom časopisu kategorije M22	M22	4
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

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2. Stojić N., Delić M., Bojanić T., Jokanović B., Tasić N.: Integrated Model of Risk Management in Business Processes in Industrial Systems , *International Journal of Simulation Modelling*, 2024, Vol. 23, No. 3, ISSN 1726-4529
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2. Medić N., Delić M., Tasić N., Todorović T., Slavić D.: Harnessing the Power of Production: Enhancing the Implementation of Emerging Technologies in Manufacturing Through Organizational Optimization, *51. Symposium on Operational Research*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 559-564, ISBN 978-86-6022-703-6
3. Orošnjak M., Ristić K., Brkljač N.: Digitalization Positively Associates with the Adoption of Sustainability Performance Metrics in Maintenance Practice: Preliminary Study Findings, *1. Future-BME Conference*, Novi Sad: Fakultet tehničkih nauka, 30-31 October, 2024
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Spisak rezultata M63 - Saopštenje sa skupa nacionalnog značaja štampano u celini

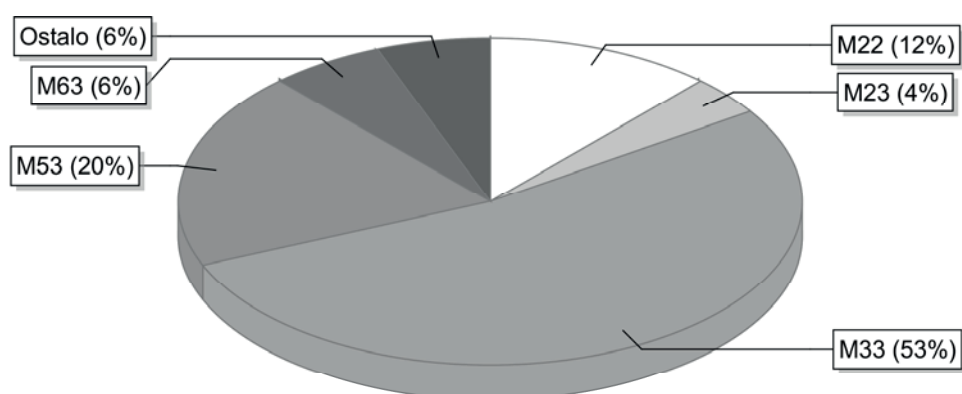
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GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	6
Rad u međunarodnom časopisu kategorije M23	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	27
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u nacionalnom časopisu kategorije M53	M53	10
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	1

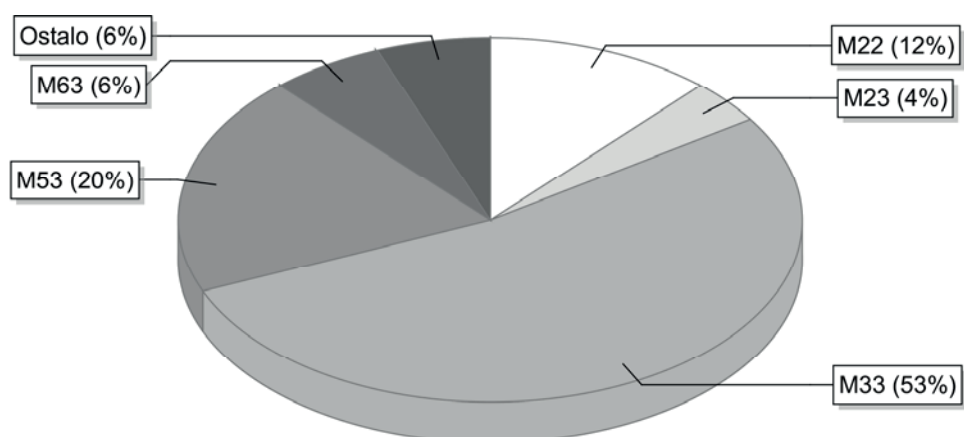


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za grafičko inženjerstvo i dizajn

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Rad u međunarodnom časopisu kategorije M22	M22	6
Rad u međunarodnom časopisu kategorije M23	M23	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	27
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Rad u nacionalnom časopisu kategorije M53	M53	10
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

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2. Gvoić V., Prica M., Turk Sekulić M., Pap S., Paunović O., Kulić Mandić A., Bečelić-Tomin M., Vukelić Đ., Kerkez Đ.: Synergistic effect of Fenton oxidation and adsorption process in treatment of azo printing dye: DSD optimization and reaction mechanism interpretation, *Environmental Technology*, 2024, Vol. 45, No. 9, pp. 1781-1800, ISSN 0959-3330
3. Maletin M., Nikić J., Gvoić V., Pešić Bajić J., Cvejić Ž., Tubić (rođ. Aleksić) A., Agbaba J.: Optimization and Efficiency of Novel Magnetic-Resin-Based Approaches for Enhanced Nickel Removal from Water, *Processes*, 2024, Vol. 12, No. 10, ISSN 2227-9717
4. Maričić Plcajkić K., Kašiković N., Miketić N., Gvoka T., Bošnjaković G.: The Influence of the Textile Substrate Colour on the Speed of Colour Change of Thermochromic Prints, *Tehnički vjesnik - Technical Gazette*, 2024, Vol. 31, No. 6, pp. 2102-2109, ISSN 1330-3651
5. Petrović S., Dedijer S., Kašiković N., Zeljković Ž., Gvoić V., Jurić (Rilovski) I., Stančić M.: Influence of PEDOT:PSS coating on screen-printed textile, *Industria textila*, 2024, Vol. 75, No. 1, pp. 33-42, ISSN 1222-5347
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1. Adamović (Majkić) S., Milošević R., Banjanin B., Dramićanin M., Ilić Mićunović M., Mihailović A.: The particulate matter in the working environment of the digital printing machine detected by stationary and personal methods, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, Graphic Engineering and Design, 14-16 November, 2024, pp. 665-669, ISBN 978-86-6022-698-5
2. Banjanin B., Kerac J., Adamović (Majkić) S., Milošević R.: Game design studies: through the educational prism, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of technical sciences, 14-16 November, 2024, pp. 781-787, ISBN 2620-1429
3. Bošnjaković G., Vladić G., Maričić Plcajkić K., Gvoka T.: IMPROVING PACKAGING ERGONOMICS THROUGH PUFF-ENHANCED SCREEN PRINTS, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN, 14-16 November, 2024, pp. 491-496, ISBN 978-86-6022-699-2
4. Cvetojević S., Dedijer S.: The influence of color on capturing customer attention in online purchases of organic cosmetics case, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 14-16 November, 2024, ISBN 2620-1429
5. Dedijer S., Pál (Apro) M., Milić N., Tomić I., Kašiković N., Pavlović Ž., Jurić (Rilovski) I.: PRELIMINARY STUDY ON POSSIBILITY TO USE AREA-BASED OPEN-SOURCE IMAGE ANALYSIS TOOLS IN ACCESSING SKIN TONE COLOR REPRODUCTION ACCURACY IN INK-JET PRINTING, *12. 12th*

International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad, Novi Sad: University of Novi Sad, Faculty of technical sciences, 14-16 November, 2024, pp. 155-162, ISBN 978-86-6022-699-2

6. Đurđević S., Juretić I., Vukanić L.: DEVELOPMENT OF A MOBILE AUGMENTED REALITY APPLICATION FOR INTERIOR DESIGN USING UNITY ENGINE, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: UNIVERSITY OF NOVI SAD, FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN, 14-16 November, 2024, pp. 199-209, ISBN 2620-1429
7. Golubović G., Dedijer S., Kerac J., Gvoka T.: Influence of stimulus format on virtual character perception, *1. Future-BME Conference*, Novi Sad: University of Novi Sad, Faculty of technical sciences, 30-31 October, 2024, pp. 883-890
8. Golubović G., Đurđević S., Kerac J., Juretić I., Cvetojević S.: Use of AI in mHealth mobile applications: The influence of virtual therapists' visual characteristics on user perception, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of technical sciences, 14-16 November, 2024, pp. 329-340, ISBN 2620-1429
9. Gvoić V., Ristić M., Prica M.: Adsorption process of Cyan printing dye onto activated carbon: optimization and kinetic studies, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad, 14-16 November, 2024, pp. 671-679, ISBN 978-86-6022-699-2
10. Gvoka T., Vladić G., Bošnjaković G., Pál (Apro) M., Maričić Plcajkić K.: IDENTIFICATION OF GAZE PATTERNS IN THE OBSERVATION OF FONT WEIGHT AND ILLUSTRATION SIZE ON THE PACKAGING USING EYE TRACKING ANALYSIS, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN, 14-16 November, 2024, pp. 515-524, ISBN 978-86-6022-699-2
11. Ilić K., Banjanin B., Spasojević S., Adamović (Majkić) S., Dramićanin M.: Effect of Infill Pattern on the Tensile Strength of FDM 3D Printed PLA Material, *15. International Scientific Conference "Flexible Technologies" - MMA*, Novi Sad: FTN, 24-26 September, 2024, pp. 235-238
12. Ilić T., Banjanin B., Pinčjer I.: From sketch to animated 3D model: Theatrical costume design, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of Technical sciences, Department of graphic engineering and design, 14-16 November, 2024, ISBN 978-86-6022-699-2
13. Jurič (Rilovski) I., Tomić I., Pál (Apro) M.: VISUAL DYNAMICS IN DIGITAL CATALOGUES: A COMPREHENSIVE ANALYSIS OF CINEMAGRAPH INTEGRATION THROUGH EYE-TRACKING TECHNOLOGY, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: Fakultet tehničkih nauka, 14-16 November, 2024, pp. 273-279, ISBN 978-86-6022-699-2
14. Kerac J., Golubović G., Milić N., Ilić T.: The Effects of Avatar Design on E-Learning: A Review, *1. DIGICOM International Conference on Design & Digital Communication*, Barcelos: Springer Cham, 10-11 November, 2017, pp. 673-683, ISBN 978-3-031-77565-9
15. Kerac J., Milić N., Golubović G., Ilić T.: EXPLORING THE IMPACT OF STEREOTYPE THREAT AND IDENTIFICATION ON GAMING PERFORMANCE: A PILOT STUDY USING CUSTOM AVATARS, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, faculty of technical sciences, 14-16 November, 2024, pp. 281-290, ISBN 2620-1429
16. Maričić Plcajkić K., Kašiković N., Gvoka T., Bošnjaković G.: The influence of the textile substrate color on the contrast of thermochromic prints, *16. INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE INNOVATIONS IN PUBLISHING, PRINTING AND MULTIMEDIA TECHNOLOGIES*, Kaunas, 24-25 April, 2024
17. Maričić Plcajkić K., Kašiković N., Miketić N.: THE INFLUENCE OF THE MECHANICAL RUB PROCESS ON THE COLOR CHANGE OF THERMOCHROMIC PRINTS ON TEXTILE SAMPLES, *12. 12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of technical sciences, 14-16 November, 2024, pp. 173-181, ISBN 978-86-6022-699-2
18. Mihailović A., Ninkov J., Samardžić Cvijanović S., Adamović (Majkić) S., Lakatoš R., Forkapić S., Nemeš T.: PTE distribution factor as an indicator of urban soil pollution, *14. International Conference Industrial Engineering and Environmental Protection*, Zrenjanin: Technical Faculty "Mihajlo Pupin", Zrenjanin,

19. Mikić N., Pinčeri I., Cvetojević S.: THE INFLUENCE OF SYMBOL ORIENTATION AND BORDER LINE THICKNESS ON SUBJECTS' PREFERENCES FOR ICON DESIGN, 12. *12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN 21000 Novi Sad, Trg Dositeja Obradovića 6, 14-16 November, 2024, pp. 643-647, ISBN 978-86-6022-699-2
20. Mikić N., Pinčeri I., Kerac J., Milić N.: COLORS AND COLOR HARMONIES FOR BETTER VISUAL SEARCH ON THE USER INTERFACE, 9. *Conference on Information and Graphic Arts Technology*, Ljubljana: University of Ljubljana Faculty of Natural Sciences and Engineering Department of Textiles, Graphic Arts and Design, 11-12 April, 2024, pp. 21-28, ISBN 978-961-7189-12-4
21. Milić N., Golubović G., Dedijer S., Pavlović Ž., Janjić T.: AI models for predicting visual attention in digital applications: A comparative pilot analysis with eye tracking results, 12. *12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of technical sciences, 14-16 November, 2024, pp. 431-439, ISBN 2620-1429
22. Milošević R., Adamović (Majkić) S., Komlenić A., Menzildžić D., Dimovski V., Vasilčić P.: THE IMPACT OF RECIPROCITY ON INSTAGRAM PET INFLUENCER POSTING RESPONSE TIMES, 12. *12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad Faculty of Technical Sciences Department of Graphic Engineering and Design 21000 Novi Sad, Trg Dositeja Obradovića 6, 14-16 November, 2024, pp. 317-322, ISBN 978-86-6022-699-2
23. Pinčeri I., Bošnjaković J., Mikić N., Ilić T.: MODELING OF A VIRTUAL PRINTING MACHINE FOR INTERACTIVE E-LEARNING APPLICATIONS, 12. *12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN 21000 Novi Sad, Trg Dositeja Obradovića 6, 14-16 November, 2024, ISBN 978-86-6022-699-2
24. Pinčeri I., Mikić N., Havlović I., Tomić I.: THE IMPACT OF VIRTUAL LIGHT EFFECTS ON OBSERVER EMOTIONS, 9. *Conference on Information and Graphic Arts Technology*, Ljubljana: University of Ljubljana Faculty of Natural Sciences and Engineering Department of Textiles, Graphic Arts and Design, 11-12 April, 2024, pp. 28-34, ISBN 978-961-7189-12-4
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Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

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

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3. Samardžić Cvijanović S., Lakatoš R., Adamović (Majkić) S., Mihailović A.: THE VALUE OF WORKPLACE ENVIRONMENT IN THE HOSPITALITY INDUSTRY: EMPLOYEE PERSPECTIVES, 30. *International Symposium on Analytical and Environmental Problems* , Szeged: University of Szeged, H-6720 Szeged, Dugonics tér 13, Hungary, 7-8 Oktobar, 2024, pp. 197-199, ISBN 978-963-688-009-5

Spisak rezultata M71 - Odbranjena doktorska disertacija

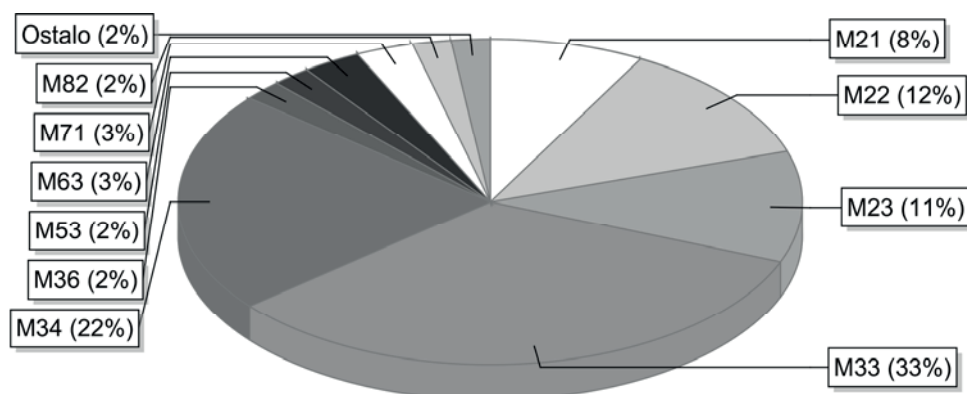
1. Mikić N.: Unapređenje estetske upotrebljivosti upravljačkog sistema grafičkih mašina primenom harmonija boja, Novi Sad, Fakultet tehničkih nauka, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	8
Rad u međunarodnom časopisu kategorije M22	M22	12
Rad u međunarodnom časopisu kategorije M23	M23	11
Saopštenje sa međunarodnog skupa štampano u celini	M33	33
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	22
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Rad u nacionalnom časopisu kategorije M52	M52	1
Rad u nacionalnom časopisu kategorije M53	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Obranjena doktorska disertacija	M71	3
Novo tehničko rešenje primenjeno na nacionalnom nivou	M82	2

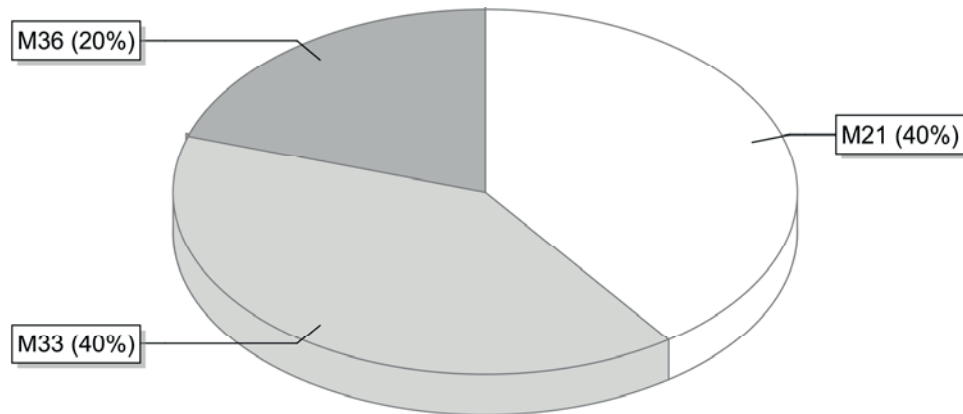


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo biosistema

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	2
Saopštenje sa međunarodnog skupa štampano u celini	M33	2
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

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Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

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Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

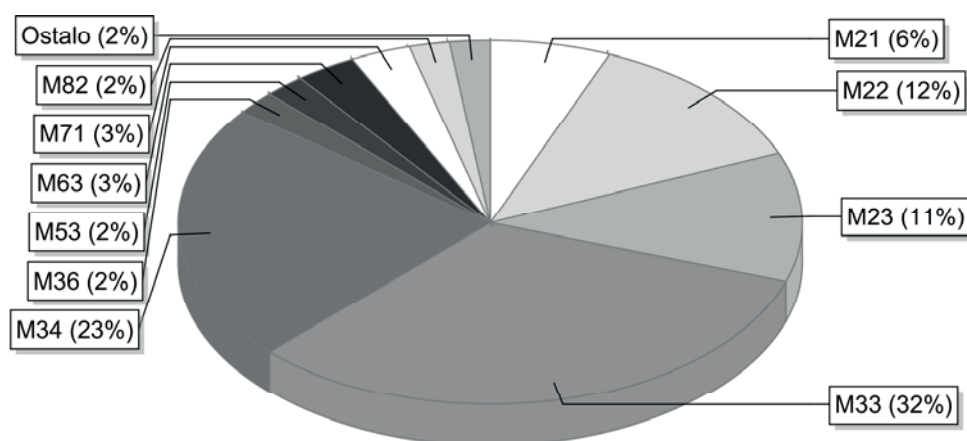
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GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za inženjerstvo zaštite životne sredine

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	1
Rad u vodećem međunarodnom časopisu kategorije M21	M21	6
Rad u međunarodnom časopisu kategorije M22	M22	12
Rad u međunarodnom časopisu kategorije M23	M23	11
Saopštenje sa međunarodnog skupa štampano u celini	M33	31
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	22
Uređivanje zbornika saopštenja međunarodnog naučnog skupa	M36	2
Rad u nacionalnom časopisu kategorije M52	M52	1
Rad u nacionalnom časopisu kategorije M53	M53	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	3
Odbranjena doktorska disertacija	M71	3
Novo tehničko rešenje primenjeno na nacionalnom nivou	M82	2



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

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2. Adamov T., Novaković M., Petrović (Đogo) M.: Evaluating the bioaccumulation of hazardous pollutants from municipal solid waste landfill: A case study on Bisphenol A and phthalates in Serbia, 14. *International Conference Industrial Engineering and Environmental Protection*, Zrenjanin, 3-4 October, 2024, pp. 436-442
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4. Antović J., Mihajlović I., Hgeig A., Elezović N.: Assessment of the quality of the river Ibar using SWQI, 2. *EUROSA*, Vrnjačka Banja: Faculty of Technical Sciences, 15-18 May, 2024, pp. 230-236, ISBN 978-86-6022-676-3
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2. Antović J., Elezović N., Mihajlović I.: Wind energy potential in Serbia, 4. *4th INTERNATIONAL STUDENT CONFERENCE DISC2024*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 5-6 December, 2024, pp. 35-35, ISBN 978-86-6022-715-9
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Spisak rezultata M36 - Uređivanje zbornika saopštenja međunarodnog naučnog skupa

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Spisak rezultata M52 - Rad u nacionalnom časopisu kategorije M52

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Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Naerac J., Obrovski B., Mihajlović I.: Identifikacija i procena izvora zagađenja ocedne vode močvarnih područja, Zbornik radova Fakulteta tehničkih nauka, 2024, No. 39 (1), pp. 84-87, ISSN 0350-428X
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3. Novaković M., Mihajlović I., Živančev (Šenk) N., Adamov T., Petrović (Đogo) M.: Primena analitičkih alata za savremene tehnologije uklanjanja organskih mikropolutanata iz akvatičnih medijuma, *53. OTPADNE VODE, KOMUNALNI ČVRSTI OTPAD I OPASAN OTPAD*, Kragujevac: Udruženje za tehnologiju vode i sanitarno inženjerstvo, 3-5 April, 2024, pp. 40-45, ISBN 978-86-81618-17-2

Spisak rezultata M71 - Odbranjena doktorska disertacija

1. Dmitrašinović S.: Statistička analiza i modelovanje dnevnih, vremenskih i prostornih varijacija nivoa atmosferskih finih čestica u Novom Sadu, Novi Sad, Fakultet tehničkih nauka, 2024, str. 1-210
2. Milovanović D.: Identifikacija specifičnih polutanata i razvoj metodologije prioritizacije u cilju unapređenja mehanizama zaštite površinskih i otpadnih voda, 2024
3. Tošić N.: Razvoj inovativne metode za evaluaciju kvaliteta upravljanja otpadom primenom analize tokova materijala i supstanci, Novi Sad, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2024, str. 1-232

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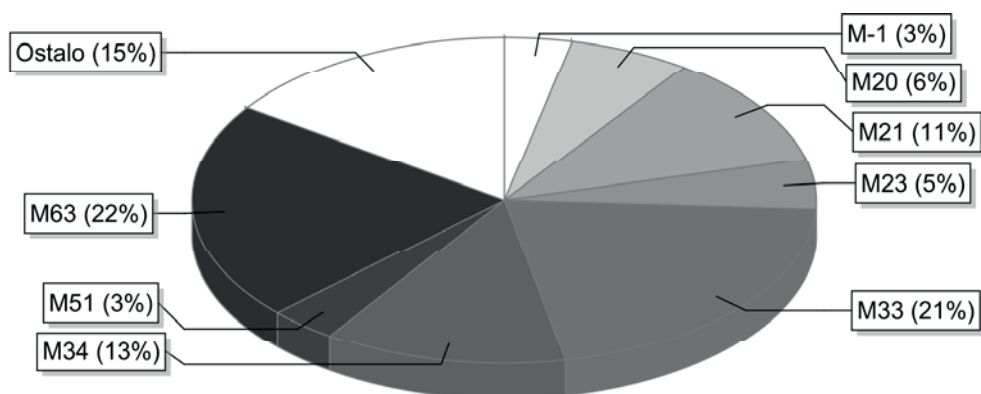
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GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Departman za opšte discipline u tehni

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	5
Uređivanje međunarodnog naučnog časopisa; Uređivanje tematskih monografija	M29a	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	9
Rad u vodećem međunarodnom časopisu kategorije M21	M21	16
Rad u međunarodnom časopisu kategorije M22	M22	4
Rad u međunarodnom časopisu kategorije M23	M23	7
Rad u vodećem nacionalnom časopisu kategorije M24	M24	2
Uređivanje međunarodnog naučnog časopisa	M28	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	30
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	18
Rad u vodećem nacionalnom časopisu kategorije M51	M51	5
Rad u nacionalnom časopisu kategorije M53	M53	3
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	31
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	4
Odbranjena doktorska disertacija	M71	1

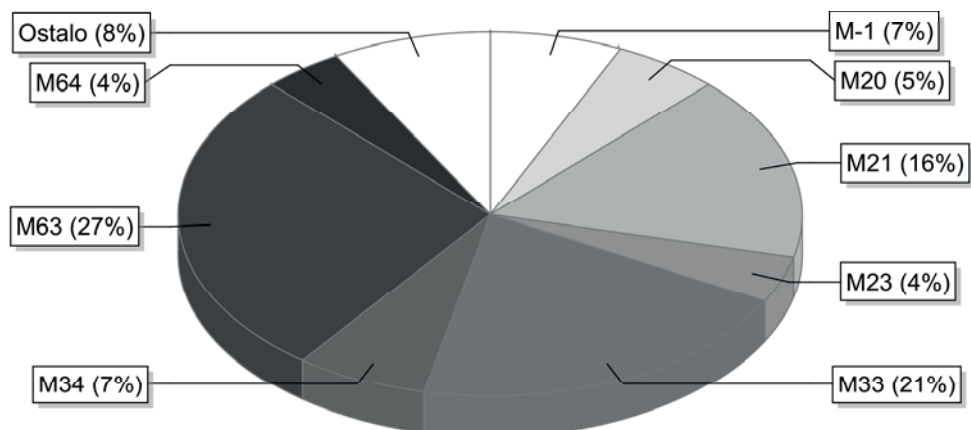


GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za matematiku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a+	M21a+	5
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	4
Rad u vodećem međunarodnom časopisu kategorije M21	M21	12
Rad u međunarodnom časopisu kategorije M22	M22	2
Rad u međunarodnom časopisu kategorije M23	M23	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	15
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	5
Rad u vodećem nacionalnom časopisu kategorije M51	M51	2
Rad u nacionalnom časopisu kategorije M53	M53	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	20
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	3
Odbranjena doktorska disertacija	M71	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21a+ - Rad u vodećem međunarodnom časopisu kategorije M21a+

1. Cvetković D., Vukelić Đ., Doroslovački K.: A New Subclass of H-Matrices with Applications, Article Number 2322, Mathematics, 2024, Vol. 12, No. 15, ISSN 2227-7390
2. Doroslovački K., Gradojević N., Christine Tarnaud A.: A novel market sentiment analysis model for forecasting stock and cryptocurrency returns, IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2024, pp. 1-12, ISSN 2168-2216
3. Došenović (Žikić) T., Rakić D., Ralević N., Carić B.: Note on Intuitionistic Fuzzy Metric-like Spaces with Application in Image Processing, Mathematics, 2024, Vol. 12, No. 15, ISSN 2227-7390
4. Dragić Đ., Mihailović B., Nedović Lj.: The general algebraic solution of dual fuzzy linear systems and fuzzy Stein matrix equations, art no 108997, Fuzzy Sets and Systems, 2024, Vol. 487, ISSN 0165-0114
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3. Ilić V., Ralević N.: Fuzzy circularity: A new fuzzy shape-based descriptor of the object, Journal of Mathematical Imaging and Vision, 2024, ISSN 0924-9907
4. Krklec Jerinkić N., Ostojić (Stojančević T.: AN-SPS: Adaptive Sample Size Nonmonotone Line Search Spectral Projected Subgradient Method for Convex Constrained Optimization Problems, Optimization Methods and Software, 2024, pp. 1-25, ISSN 1055-6788
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Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

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2. Buhmiller S., Medić S., Duraković N., Bajkin J., Lončarević I.: Numerical Methods for Finding the Root of a Polynomial, 15. *ITRO - International Conference on Information Tecnology and Development of Education*, Zrenjanin, 29 November, 2024, pp. 157-162, ISBN 978-86-7672-383-6
3. Čomić L., Ralević N.: Vertex-Degree-Based Topological Indices of Rectangular Blocks of Unit Cells in the Simple Cubic Grid, 22. *International Symposium on Intelligent Systems and Informatics SiSY*, Pula: IEEE, 19-21 September, 2024, pp. 353-356
4. Čomić L., Zrour R., Andres E., Largeteau-Skapin G.: Bijective Digitized 3D Rotation Based on Beam Shears, 3. *International Conference on Discrete Geometry and Mathematical Morphology*, Firenca: Springer LNCS 14605, 15-18 April, 2024, pp. 29-40
5. Došenović (Žikić) T., Ralević N., Aleksandar K., Marija P., Dragić Đ.: APPLICATION OF FUZZY METRIC SPACES IN IMAGE PROCESSING AND FIXED POINT RESULTS, 3. *INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY*, Herceg Novi: Faculty of Management Herceg Novi, 29-1 May, 2024, pp. 198-205, ISBN 978-9940-611-08-8
6. Došenović (Žikić) T., Ralević N., Aleksandar K., Marija P., Dragić Đ.: FIXED POINT THEORY IN FUZZY METRIC SPACES WITH APPLICATION TO IMAGE PROCESSING, 3. *INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY*, Herceg Novi: Faculty of Management Herceg Novi, 29-1 May, 2024, pp. 252-260, ISBN 978-9940-611-08-8
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9. Markovic N., Ralević N., Đaković V.: THE IMPACT OF THE ŽELJEZARA LANDFILL ON THE ENVIRONMENT, 30. *International Symposium on Analytical and Environmental Problems*, Szeged: University of Szeged, 7-8 October, 2024, pp. 181-185, ISBN 978-963-688-009-5
10. Markovic N., Ralević N.: DISTRIBUTION OF PCB CONGENERS IN ENVIRONMENTAL MEDIA, 14. *International Conference Industrial Engineering and Environmental Protection*, Zrenjanin: University of Novi

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12. Milad S., Milićević S., Katić V.: The Best-Fit Wind-speed Probability Distribution Functions for Winds in Libya, *11. International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: IEEE, 3-6 June, 2024, pp. 1-6
13. Milosavljević N., Ralević N., Iričanin B., Čebić D., Ibrišimović I.: DETERMINING THE OPTIMAL NUMBER OF CHARACTERISTIC VECTORS IN MEDICAL DIGITAL IMAGES, *3. INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY*, Herceg Novi: Faculty of Management Herceg Novi, 29-1 May, 2024, pp. 261-267, ISBN 978-9940-611-08-8
14. Ralević N., Blesić A., Iričanin B.: Application of fuzzy integrals based on c-credibility measures in image processing, *6. Intelligent and Fuzzy Systems, Intelligent Industrial Informatics and Efficient Networks*, Canakkale: Springer, 16-18 July, 2024, pp. 275-282, ISBN 978-3-031-67191-3
15. Ralević N., Blesić A., Julijana K., Kaleo B.: CHOQUET-TYPE PSEUDO-INTEGRALS FOR FACE RECOGNITION, *3. INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY*, Herceg Novi: Faculty of Management Herceg Novi, 29-1 May, 2024, pp. 188-197, ISBN 978-9940-611-08-8

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1. Dragić Đ., Mihailović B., Nedović Lj.: The general algebraic solution of dual fuzzy linear systems, *17. International Conference on Fuzzy Set Theory and Applications*, Liptovsky Jan, 28-1 January, 2024, pp. 58-59
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3. Milošević S.: Predstavljanje osnovnih rezultata iz rada Cofinal types and topological groups, *6. Conference of PhD Students in Mathematics CSM*, Segedin, 3-5 July, 2024
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5. Tomić F.: F. Tomić, "Theory and application of the extended Gevrey regularity", *European Congress of Mathematics ECM2024*, 15.07-19.07, Sevilla, Spain., *9. European Congress of Mathematics*, Sevilla, 15-19 July, 2024

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Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Tomić F., Teofanov N., Pilipović S.: Stevan Pilipović, N. Teofanov, F. Tomić, Almost diagonalization of ΨDO 's over various generalized function spaces, *Sarajevo Journal of Mathematics*, 20 (1) (2024), *Sarajevo Journal of Mathematics*, formerly *Radovi Matematički*, 2024

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2. Dedeić J.: Process Calculi Comparisons: A Journey Through Encodings, *9. Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad: e Faculty of Technical Sciences, University of Novi Sad, 31-2 Maj, 2024, pp. 27-32, ISBN 3042-0458
3. Erdeljan J., Ivetić J.: GARCH modeli za procenu volatlnosti vremenskih serija, *9. Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad, 31-2 Maj, 2024, pp. 39-45, ISBN 3042-0466
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6. Mihailović B.: "Equation solving" generalized inverses - what are they? , 9. *Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad, 31-2 Maj, 2024, pp. 68-73
7. Milićević S., Mihailović B., Dragić Đ.: Primena Jakobijevog postupka za rešavanje fazi linearnih sistema, 9. *Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad, 31-2 Maj, 2024, pp. 74-79
8. Nedović Lj., Mihailović B., Dragić Đ.: Bipolar fuzzy linear systems with a unique solution, 9. *Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad, 31-2 Maj, 2024, pp. 80-83
9. Nedović Lj.: Construction of measure-type functions using aggregation functions, 9. *The 9th Conference on Mathematics in Engineering: Theory and Applications*, , Novi Sad, 31-2 Maj, 2024
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13. Prokić A., Prokić S.: Bulatovljeva teorija grafova u Tejlror-minimalnim algebrama, 9. *Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad: Faculty of Technical Sciences , 31-2 Maj, 2024, pp. 114-119, ISBN 3042-0458
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16. Ralević N., Julijana K.: FILTER ZA UKLANJANJE ŠUMA NA DIGITALNOJ SLICI ZASNOVAN NA AGREGACIONIM FUNKCIJAMA, 9. *Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad: Faculty of Technical Sciences, University of Novi Sad,, 31-2 Maj, 2024, pp. 138-143, ISBN 978-86-6022-664-0
17. Šaš M., Vukajlović N., Pejić D., Grbić T.: Analiza potiskivanja šuma primenom integrišućeg analogno-digitalnog konvertora, 11. *International Conference on Electrical, Electronic and Computing Engineering IcETRAN*, Niš: Društvo za ETRAN, 3-6 Jun, 2024, pp. 193-196, ISBN 978-86-6200-002-6
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20. Tošić S.: Orthogonal decomposition of stochastic transport equation, 9. *Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad, 31-2 Maj, 2024

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

1. Ilić V., Ivetić J., Gilezan S., Barišić N.: Shape descriptors for AI-driven classification of breast tumor cell morphology, 2. *Artificial Intelligence Conference*, Beograd, 26-27 Decembar, 2024
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Spisak rezultata M71 - Odbranjena doktorska disertacija

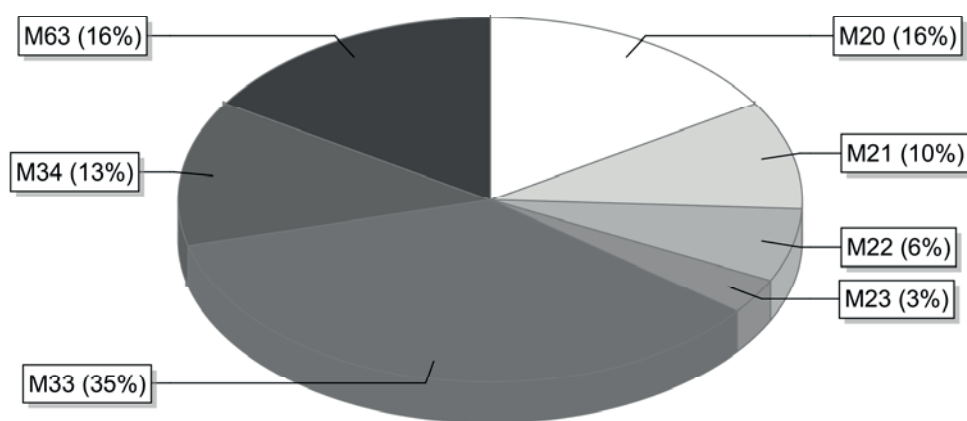
1. Prokić S.: Probabilistic reasoning in computation and simple type theory, Novi Sad, Univerzitet u Novom

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za fiziku

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21a	M21a	5
Rad u vodećem međunarodnom časopisu kategorije M21	M21	3
Rad u međunarodnom časopisu kategorije M22	M22	2
Rad u međunarodnom časopisu kategorije M23	M23	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	11
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	4
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5



PRODUKCIJA - REZULTATI

Spisak rezultata M21a - Rad u vodećem međunarodnom časopisu kategorije M21a

1. Budinski-Petković Lj.: Percolation in random sequential adsorption of lattice animals on a three-dimensional cubic lattice, Chinese Journal of Physics, 2024, ISSN 0577-9073
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3. Rikalo A., Todorović (Žikić) N., Stojković (Jakonić) I., Nikolov J., Vraničar A., Gadžurić S., Papović S., Vraneš M.: Cosmic muon spectrum as a tool for quench correction during nuclear emergency screening of ¹³⁷Cs in water, Radiation Physics and Chemistry, 2024, Vol. 221, No. 111769, ISSN 0969-806X
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2. Buhmiller S., Medić S., Duraković N., Bajkin J., Lončarević I.: Numerical Methods for Finding the Root of a Polynomial, 15. ITRO - International Conference on Information Technology and Development of Education, Zrenjanin, 29 November, 2024, pp. 157-162, ISBN 978-86-7672-383-6
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4. Mihailović A., Ninkov J., Samardžić Cvijanović S., Adamović (Majkić) S., Lakatoš R., Forkapić S., Nemeš T.: PTE distribution factor as an indicator of urban soil pollution, 14. International Conference Industrial Engineering and Environmental Protection, Zrenjanin: Technical Faculty "Mihajlo Pupin", Zrenjanin, University of Novi Sad, 3-4 October, 2024, pp. 335-341, ISBN 978-86-7672-376-8
5. Nemeš T.: AGILNI PRISTUP U NASTAVI FIZIKE: LABORATORIJA ZA MODERNE TEHNOLOGIJE, Zbornik radova 30 Skupa Trendovi razvoja "Nastavnici i saradnici kao centar promana u visokom obrazovanju" 7-10.02.2024. Vrnjačka banja, 2024, ISSN 978-86-6022-632-0, 30. Trendovi razvoja TREND,

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6. Samardžić Cvijanović S., Lakatoš R.: STRATEGIES INDUSTRY: ENGINEERING SOLUTIONS INNOISE CONTROL AND RISK MANAGEMENT, 1. *Future-BME Conference*, Novi Sad: Faculty of Technical Sciences, 30-31 October, 2024, pp. 1027-1033, ISBN 978-86-6022-723-4
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9. Samardžić Cvijanović S.: Effective noise management—the role of regular crane maintenance, 1. *Future-BME Conference*, Novi Sad: Faculty of Technical Sciences, 30-31 October, 2024, pp. 1049-1056, ISBN 978-86-6022-723-4
10. Samardžić Cvijanović S.: Statistical noise analysis at construction sites, 51. *SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, 16-19 September, 2024, pp. 51-58, ISBN 978-86-6022-703-6
11. Stanojević D., Lončarević I., Mučenski V., Terzić M., Velkovski T., Jovanovski B., Mirjanić J.: ASSESSMENT OF GREEN ENERGY EFFICIENCY OF RURAL TOURISM FACILITIES, 51. *SYM-OP-IS Simpozijum o operacionim istraživanjima*, Tara: Faculty of Technical Sciences, Novi Sad, 16-19 September, 2024, pp. 408-413, ISBN 978-86-6022-703-6

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Kužet Ž., Samardžić Cvijanović S., Lakatoš R., Mučenski V.: Enhancing health impact estimation for construction workers: simultaneous noise measurements using noise dosimeter and phonometer, Book of Abstracts, 2024, Vol. 12, pp. 35-35, 12. *International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology (RAD)*, Herceg Novi: RAD Centre, 17-21 June, 2024, pp. 35-35, ISBN 978-86-901150-7-5
2. Samardžić Cvijanović S., Novaković N., Lakatoš R., Mihailović A., Adamović (Majkić) S.: The value of workplace environment in the hospitality industry: employee perspectives, 30. *International Symposium on Analytical and Environmental Problems*, Segedin: University of Szeged, H-6720 Szeged, Dugonics tér 13, Hungary, 7-8 October, 2024, pp. 197-199, ISBN 978-963-688-009-5
3. Samardžić Cvijanović S., Novaković N., Lončarević I., Lakatoš R., Mihailović A.: Perception of physical stressors in a potentially controlled work environment, Book of Abstracts, 2024, Vol. 12, pp. 152-152, 12. *International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology (RAD)*, Herceg Novi: RAD Centre, 17-21 June, 2024, pp. 152-152, ISBN 978-86-901150-7-5
4. Samardžić Cvijanović S., Sitarević A., Grujić D., Lakatoš R., Lončarević I., Mihailović A.: Statistical Analysis of Ambient Factors' Perception on Employee Productivity and Wellbeing, Book of Abstracts, 2024, Vol. 7, 7. *ICSuSaT-2024*, Istanbul, 12-14 July, 2024, ISBN 978-605-71495-1-0

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

1. Budinski-Petković Lj., Lončarević I.: PERCOLATION ON A TRIANGULAR LATTICE UNDER ANISOTROPIC CONDITIONS, 9. *The 9th Conference on Mathematics in Engineering: Theory and Applications*, Novi Sad, 31-2 Maj, 2024, pp. 21-26
2. Gubić I., Lakatoš R.: Gradovi kad padne mrak: bezbednost javnih otvorenih prostora u Novom Sadu i Katmanduu, Zbornik radova Urbana bezbednost i urbani razvoj, 2024, Vol. 3, pp. 307-317, ISSN 978-86-80144-68-9, 2. *Urbana bezbednost i urbani razvoj*, Beograd: Univerzitet u Beogradu, Fakultet bezbednosti i Arhitektonski fakultet, 1 Jul, 2022, pp. 307-317, ISBN 978-86-80144-68-9
3. Lončarević I., Samardžić Cvijanović S., Mihailović A., Lakatoš R.: ZNAČAJ FIZIKE U OBRAZOVANJU INŽENJERA: IZAZOVI U IMPLEMENTIRANJU NOVIH TRENDOVA U NASTAVNI PROCES, Zbornik radova 30 Skupa Trendovi razvoja "Nastavnici i saradnici kao centar promana u visokom obrazovanju" 7-10.02.2024. Vrnjačka banja, 2024, Vol. 30, pp. 123-132, ISSN 978-86-6022-632-0, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 7-10 Februar, 2024, pp. 123-132, ISBN 978-86-6022-635-0
4. Samardžić Cvijanović S., Lakatoš R., Adamović (Majkić) S., Mihailović A.: THE VALUE OF WORKPLACE ENVIRONMENT IN THE HOSPITALITY INDUSTRY: EMPLOYEE PERSPECTIVES, 30. *International Symposium on Analytical and Environmental Problems*, Szeged: University of Szeged, H-6720 Szeged, Dugonics tér 13, Hungary, 7-8 Oktobar, 2024, pp. 197-199, ISBN 978-963-688-009-5

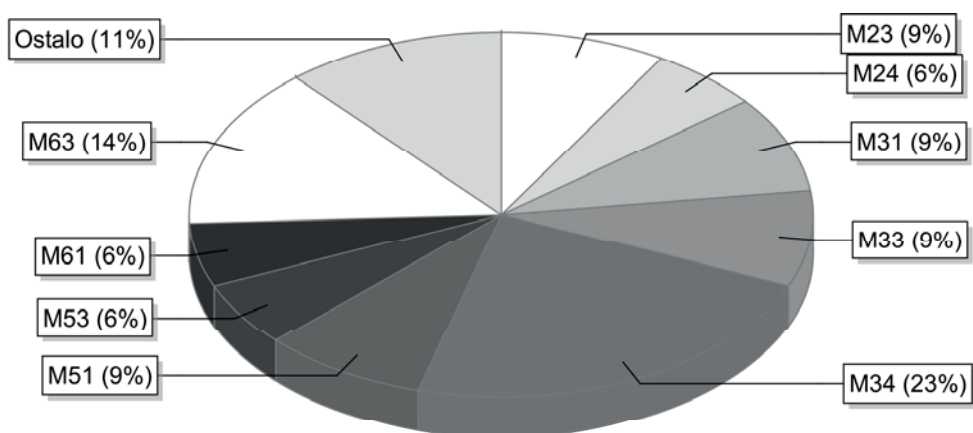
5. Samardžić Cvijanović S., Nemeš T.: Agilni pristup u nastavi fizike: laboratorija za moderne tehnologije, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Faculty of Technical Sciences, 7-10 Februar, 2024

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za društvene nauke

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Uređivanje međunarodnog naučnog časopisa; Uređivanje tematskih monografija	M29a	1
Monografska studija/poglavlje u knjizi M12 ili rad u tematskom zborniku međunarodnog značaja	M14	1
Rad u međunarodnom časopisu kategorije M23	M23	3
Rad u vodećem nacionalnom časopisu kategorije M24	M24	2
Uređivanje međunarodnog naučnog časopisa	M28	1
Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)	M31	3
Saopštenje sa međunarodnog skupa štampano u celini	M33	3
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	8
Rad u vodećem nacionalnom časopisu kategorije M51	M51	3
Rad u nacionalnom časopisu kategorije M53	M53	2
Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini	M61	2
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	5
Saopštenje sa skupa nacionalnog značaja štampano u izvodu	M64	1



PRODUKCIJA - REZULTATI

Spisak rezultata M29a - Uređivanje međunarodnog naučnog časopisa; Uređivanje tematskih monografija

1. Bogdanović V., Bulatović V.: Exploring the intersection of technology and pedagogy: Advancements in English language teaching for the digital age". Focus on ELT Journal, special issue 6(1), edited by Vesna Bogdanović and Vesna V. Bulatović, Istanbul, Yildiz Technical University, 2024

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

1. Šafranjić J., Gojković-Rajić A., Prtljaga J.: Self-regulation of gifted students in L2 learning: Predictive values of variables in the self-regulation construct - the underpinning for a new approach to making didactic strategies more appropriate, Beograd, 2024, str. 125-160, ISBN 978-86-7849-318-8

Spisak rezultata M23 - Rad u međunarodnom časopisu kategorije M23

1. Bogdanović V., Gak D.: Framing the research and engaging the reader in graduate engineering students' abstracts, Chinese Journal of Applied Linguistics, 2024, Vol. 47, No. 2, pp. 238-258
2. Đukić Mijatović M.: Ljubojević Nadežda, Đukić Mijatović Marijana, Pekez Jasmina SOLAR ENERGY AS A DRIVER OF SUSTAINABLE DEVELOPMENT IN AGRICULTURE: POTENTIAL AND LEGAL FRAMEWORK FOR IMPLEMENTATION IN THE REPUBLIC OF SERBIA, Ekonomika poljoprivrede, 2024, Vol. 71, No. 3, pp. 1051-1070, ISSN 0352-3462
3. Šafranjić J., Bulatović V., Gak D.: Motivation Types: A Key Factor in Self-regulated ESP Learning, International Journal of Cognitive Research in Science, Engineering and Education (IJCRSEE), 2024, Vol. 12, No. 2, pp. 317-334, ISSN 2334-847X

Spisak rezultata M24 - Rad u vodećem nacionalnom časopisu kategorije M24

1. Nešić Tomašević A., Batić Očovaj S., Lalić D.: Unlocking Workplace Dynamo: The Impact of Internal Trust and Communication on Igniting Work Engagement, Management: Journal of Sustainable Business and Management Solutions in Emerging Economies, 2024, ISSN 2406-0658
2. Nešić Tomašević A., Grubić-Nešić L., Perić A.: Navigating employment transformations: Insights into changes within service organizations, Hotel and Tourism Management, 2024, Vol. 12, No. 1, ISSN 2620-0279

Spisak rezultata M28 - Uređivanje međunarodnog naučnog časopisa

1. Šafranjić J.: Lektorisanje i prevođenje, Građevinski materijali i konstrukcije, 2024, ISSN 2217-8139

Spisak rezultata M31 - Plenarno ili uvodno predavanje po pozivu sa međunarodnog skupa štampano u celini (neophodno pozivno pismo i program)

1. Đukić Mijatović M.: Đukić Mijatović, M. (2024). Osvrt na implementaciju akcionog plana za ostvarivanje Strategije obrazovanja (SROVRS 2030) u oblasti visokog obrazovanja. U: Dumnić, B. (ur.), XXX Skup trendovi razvoja sa temom "Nastavnici i saradnici kao centar promena u visokom obrazovanju". (str. 1-4). Novi Sad : Fakultet tehničkih nauka., 30. Skup "Trendovi razvoja" - TREND, Vrnjačka Banja: Fakultet tehničkih nauka Novi Sad, 7-10 February, 2024, pp. 1-4
2. Đukić Mijatović M.: Đukić Mijatović, M., Ivanišević, A., Gračanin, D., & Ćirić Lalić, D. The application of ESG instruments as a challenge for the future of sustainable development in corporate governance, In: Ivanišević, A. (ed.), FUTURE-BME Conference: Forging the Future: Pioneering Approaches in Business, Management, and Economic Engineering to Overcome Emerging Global Challenges, Novi Sad: University of Novi Sad, Faculty of Technical Sciences., 1. Future-BME Conference, Novi Sad: University of Novi Sad, Faculty of Technical Sciences., 30-31 October, 2024, pp. 285-293
3. Đukić Mijatović M.: Ivanišević, A., Đukić Mijatović, M., Gračanin, D., & Ćirić Lalić, D. Socio-economic analysis and evaluation of the chosen variant for land reclamation design, In: Ivanišević, A. (ed.), FUTURE-BME 2024 Conference: Forging the Future: Pioneering Approaches in Business, Management, and Economic Engineering to Overcome Emerging Global Challenges. Novi Sad: University of Novi Sad, Faculty of Technical Sciences., 1. Future-BME Conference, Novi Sad: University of Novi Sad, Faculty of Technical Sciences., 30-31 October, 2024, pp. 534-542

Spisak rezultata M33 - Saopštenje sa međunarodnog skupa štampano u celini

1. Jolović I., Jolović N.: Workplace 3.0: Decoding Serbian Millennial Generation's Work Behavior, 1. Future-BME Conference, Novi Sad: Faculty of Technical Sciences, University of Novi Sad, 30-31 October, 2024, pp. 627-635, ISBN 978-86-6022-723-4
2. Pejić S.: Pejić, S. i M. Subotić (2024). ZELENA TRANZICIJA U VISOKOM OBRAZOVANJU – KONCEPTI, STRATEGIJE I KOMPETENCIJE, 30. Skup "Trendovi razvoja" - TREND, Vrnjačka Banja: Fakultet tehničkih nauka, 7-10 February, 2024, ISBN 978-86-6022-635-0

3. Šafran J., Bogdanović V., Bulatović V.: Developing Listening Comprehension in English for Graphic Engineering and Design, 12. *12th International Symposium on Graphic Engineering and Design, Faculty of Technical Sciences, University of Novi Sad*, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 14-16 November, 2024, pp. 765-771

Spisak rezultata M34 - Saopštenje sa međunarodnog skupa štampano u izvodu

1. Bogdanović V., Topalov J., Gak D.: Enhancing Collaboration in English as a Medium of Instruction: Challenges and Solutions for Content Lecturers and ESP Instructors, 1. *Language and Social Sciences in Contact: the Challenges of Interdisciplinarity*, Novi Sad: Filozofski fakultet, 5 October, 2024, ISBN 978-86-6065-868-7
2. Bulatović V., Bogdanović V., Gak D.: Exploring Immersive Learning: A Case Study on genAI Avatars for English Conversation Practice in Higher Education, 6. *VI međunarodna konferencija Jezik struke i nauke: pristupi i strategije*, Beograd: Filozofski fakultet, 26-27 September, 2024
3. Bulatović V., Mirović I.: Exploring the Effectiveness of Asynchronous Forums in Developing Engineering Students' EAP Skills, 17. *Norwegian Forum for English for Academic Purposes 2024*, Oslo, 13-14 June, 2024
4. Jolović I., Jolović N.: Supporting Millennial Workforce's Work-life Balance and Overall Well-being in the Volatile Economy, 1. *Global Economic Trends - Challenges and Opportunities*, Beograd: Belgrade Banking Academy – Faculty of Banking, Insurance and Finance, "Union" University in Belgrade, 2024, pp. 123-126, ISBN 978-86-7852-075-4
5. Jolović N., Jolović I.: The Odyssey of Greening Public Financial Management in the Republic of Serbia, 1. *Global Economic Trends - Challenges and Opportunities*, Beograd: Belgrade Banking Academy – Faculty of Banking, Insurance and Finance, "Union" University in Belgrade, 2024, pp. 75-79, ISBN 978-86-7852-075-4
6. Jovanović V., Zivlak J.: Integrating Kahoot! as a Modern Learning Application into an ESP Course for the Students of Criminal Investigation and Police Studies, 6. *VI međunarodna konferencija Jezik struke i nauke: pristupi i strategije*, Beograd: Društvo za strane jezike i književnosti Srbije, 26-27 September, 2024, pp. 41-41
7. Katić M., Berić A.: Contrastive analysis of translation procedures in the domain of business management: Selected terms of English-Serbian and English-German online dictionaries, VI međunarodna konferencija Jezik struke i nauke: pristupi i strategije, Društvo za strane jezike i književnosti Srbije, Filozofski fakultet Univerziteta u Beogradu, 26 – 27. septembar 2024., 2024, pp. 43-43, 6. *VI međunarodna konferencija Jezik struke i nauke: pristupi i strategije*, Beograd, 26-27 September, 2024, pp. 43-43
8. Zivlak J., Jovanović V., Kardoš Stojanović A.: Engineering students' attitudes toward the use of ChatGPT in learning English for specific purposes and its usability, 6. *VI međunarodna konferencija Jezik struke i nauke: pristupi i strategije*, Beograd: Društvo za strane jezike i književnosti Srbije, 26-27 September, 2024, pp. 109-109

Spisak rezultata M51 - Rad u vodećem nacionalnom časopisu kategorije M51

1. Bulatović V., Bogdanović V., Gak D.: The Use of Hypertext in Academic Blogs Written in Italian and English – A Case Study, Godišnjak Filozofskog fakulteta u Novom Sadu, 2024, pp. 130-148, ISSN 0374-0730, UDK: 004:55:811.131.1
2. Kardoš Stojanović A., Milić M., Marković L.: Fitness Terms in English and their Adaptation into Serbian, Filolog - časopis za jezik, književnost i kulturu, 2024, Vol. 15, No. 30, pp. 184-200, ISSN 2233-1158, UDK: 811.111:811.163.41
3. Marković M., Nešić Tomašević A., Gardašević J.: UPRAVLJANJE RAZVOJEM ZAPOSLENIH – IMPERATIV INDUSTRIJE 5.0, Ekonomija-teorije i prakse, 2024, Vol. 17, No. 3, pp. 17-32, ISSN 2217-5458

Spisak rezultata M53 - Rad u nacionalnom časopisu kategorije M53

1. Berić Đukić V., Berić A.: Pozajmljenice u novinskim člancima Ilije Ognjanovića Abukazema, Interkulturalnost. Časopis za podsticanje i afirmaciju interkulturalne komunikacije, 2024, No. 28, pp. 69-83, ISSN 2217-4893
2. Bulatović V., Mirović I., Kaurin (Milošević) T.: Analyzing grammarly software for corrective feedback: Teacher's perspective on affordances, limitations and implementation, Focus on ELT Journal (FELT), 2024, Vol. 6, No. 1, pp. 74-86, ISSN 2687-5381

Spisak rezultata M61 - Plenarno ili uvodno predavanje po pozivu sa skupa nacionalnog značaja štampano u celini

1. Đukić Mijatović M.: Đukić Mijatović, M., & Babić, N. (2024). Pravno-ekonomski aspekti transformacije Poreske uprave Republike Srbije sa ciljem stabilnosti javnih finansija U: Počuča, M. (ur.), Odgovori pravne nauke na izazove savremenog društva: zbornik radova sa XXI međunarodnog naučnog skupa "Pravnički

Dani – Prof. dr Slavko Carić", (str. 55–69). Novi Sad, Srbija : Univerzitet Privredna akademija, Pravni fakultet za privredu i pravosuđe., 21. *Pravnički dani prof.dr Slavko Carić*, Novi Sad: Univerzitet Privredna akademija, Pravni fakultet za privredu i pravosuđe. , 4-5 Oktobar, 2024, pp. 55-69

2. Ljubojev N., Dukić Mijatović M.: Pravni položaj društva sa ograničenom odgovornošću - komparativni pregled, 20. *Međunarodna naučna konferencija "Izazovi i otvorena pitanja uslužnog prava"*, Kragujevac, 31-1 Maj, 2024, pp. 565-580

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

1. Berić A., Mirović I., Bulatović V.: Kompetencije nastavnika stranog jezika struke u okviru promena u visokoškolskom obrazovanju, Zbornik radova 30 Skupa Trendovi razvoja "Nastavnici i saradnici kao centar promana u visokom obrazovanju" 7-10.02.2024. Vrnjačka banja, 2024, pp. 161-164, ISSN 978-86-6022-632-0, 30. *Skup "Trendovi razvoja" - TREND*, Vrnjačka Banja, 7-10 Februar, 2024, pp. 161-164, ISBN 978-86-6022-635-0
2. Kardoš Stojanović A., Šafran J., Zivlak J.: Koliko ChatGPT poznaje pravila o upotrebi anglicizama u srpskom jeziku: mogućnosti i ograničenja njegove primene u nastavi engleskog jezika za inženjere, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Fakultet tehničkih nauka, 7-10 Februar, 2024, pp. 141-144, ISBN 978-86-6022-635-0
3. Katić M., Berić A.: Selektirani termini iz englesko-srpskog i englesko-nemačkog rečnika u oblasti zaštite životne sredine: analiza prevodnih postupaka sa izvornog na ciljni jezik, Zbornik radova 30 Skupa Trendovi razvoja "Nastavnici i saradnici kao centar promana u visokom obrazovanju" 7-10.02.2024. Vrnjačka banja, 2024, pp. 266-269, ISSN 978-86-6022-632-0, 30. *Trendovi razvoja TREND*, Vrnjačka Banja, 7-10 Februar, 2024, pp. 266-269, ISBN 978-86-6022-635-0
4. Šafran J., Zivlak J., Kardoš Stojanović A.: Učenje engleskog jezika struke primenom ChatGPT modela veštačke inteligencije, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Fakultet tehničkih nauka u Novom Sadu, 7-10 Februar, 2024, pp. 270-274, ISBN 978-86-6022-632-0
5. Zivlak J., Šafran J., Kardoš Stojanović A.: Stavovi studenata inženjerstva o korišćenju novih tehnologija od strane nastavnika u nastavi engleskog jezika, 30. *Trendovi razvoja TREND*, Vrnjačka Banja: Fakultet tehničkih nauka Univerziteta u Novom Sadu, 7-10 Februar, 2024, pp. 153-156, ISBN 978-86-6022-635-0

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

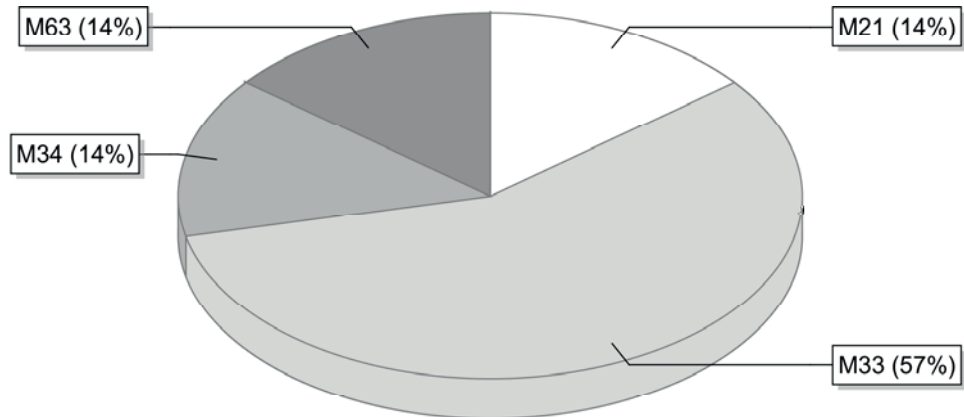
1. Zivlak J.: Volontersko držanje psihoterapije: Karakteristike rada i motivi za rad volontera, 14. *Kongres psihoterapeuta Srbije*, Beograd: Savez društava psihoterapeuta Srbije, 17-20 Oktobar, 2024, pp. 256-257, ISBN 978-86-6423-105-3

GODIŠNJI IZVEŠTAJ O NAUČNOISTRAŽIVAČKOJ DELATNOSTI

Katedra za animaciju u inženjerstvu

Zbirni pregled naučno istraživačkih rezultata u 2024. godini.

Rezultat	Oznaka, prema oznakama resornog Ministarstva za nauku	Broj
Rad u vodećem međunarodnom časopisu kategorije M21	M21	1
Saopštenje sa međunarodnog skupa štampano u celini	M33	4
Saopštenje sa međunarodnog skupa štampano u izvodu	M34	1
Saopštenje sa skupa nacionalnog značaja štampano u celini	M63	1



PRODUKCIJA - REZULTATI

Spisak rezultata M21 - Rad u vodećem međunarodnom časopisu kategorije M21

1. Banjac B., Malešević B., Mićunović M., Mihailović B., Savatović M.: The best possible constants approach for Wilker-Cusa-Huygens inequalities via stratification, *AADM, Applicable analysis and discrete mathematics*, 2024, Vol. 18, No. 1, pp. 244-288

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истраживача
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M21a, M21, M22, M23
тј. часописима са ISI листе
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