

IME I PREZIME: [Name/Surname]	MUZAFER SARAČEVIĆ
AKADEMSKO ZVANJE: [Academic title]	REDOVNI PROFESOR
DATUM, MJESTO I NAZIV INSTITUCIJE STICANJA TITULE:	
FAKULTET: [undergraduate study]	Fakultet za informatiku i računarstvo u Beogradu (Bsc. 240 ESPB) <i>Studijski program: Kriptografija i bezbednost u Cyber prostoru</i> Fakultet informacionih tehnologija Univerziteta u Novom Pazaru (2007) <i>Studijski program: Računarsko inženjerstvo</i>
MAGISTARSKI: [master degree]	Fakultet tehničkih nauka Univerziteta u Kragujevcu (2010) <i>Studijski program: Tehnika i informatika</i>
DOKTORAT: [doctoral degree]	Prirodno-matematički fakultet Univerziteta u Nišu (2013) <i>Naslov disertacije: Metode za rešavanje problema triangulacije poligona i njihova implementacija, https://nardus.mpn.gov.rs/handle/123456789/3956</i>
NAZIV INSTITUCIJE SADAŠNJEG ZAPOSLENJA: [current employment]	Univerziteta u Novom Pazaru, Departman za računarske nauke Univerzitet Vitez u Travniku, Fakultet informacionih tehnologija
UŽA NASTAVNO NAUČNA OBLAST IZBORA: [area of science]	Računarske nauke, redovni profesor
PREDMETI NA KOJIMA JE ANGAŽOVAN: [teaching subjects]	Etički upadi u sistem (master studije, Univerzitet Vitez) Visokotehnoški kriminal (master studije, Univerzitet Vitez) Veštačka inteligencija (master studije, Univerzitet Vitez) Verifikacija i validacija softvera (osnovne studije, Univerzitet Vitez)
SADAŠNJA FUNKCIJA NA UNIVERZITETU: [current positions at University]	Prorektor za nauku, Univerzitet u Novom Pazaru
OBJAVLJENE KNJIGE I SKRIPTE: [Published books, scripts and projects]	<ol style="list-style-type: none"> Saračević M. (2011), Objektno-orijentisano programiranje i modelovanje: JAVA i UML (udzbenik), Izdavački centar Univerziteta u Novom Pazaru, ISBN: 978-86-84389-22-2. Saračević M. (2012), Alati za interaktivnu nastavu matematike i e-učenje (praktikum), Izdavački centar Univerziteta u Novom Pazaru, ISBN: 978-86-84389-28-4. Selimi A., Saračević M. (2021), Architectural Mathematics (in Turkish), International VISION University – Gostivar, North Macedonia, ISBN 978-608-66151-1-6

**OBJAVLJENI NAUČNI I
STRUČNI RADOVI:
[Professional and scientific
papers: Listed in language of
publishing]**

Papers published in scientific journals of international importance (SCI/SCIE)		IF
1.	Saračević M. , Adamovic S., Miskovic V., Macek N., Sarac M. (2019), A novel approach to steganography based on the properties of Catalan numbers and Dyck words, <i>Future Generation Computer Systems, Elsevier</i> , Volume 100, Pages 186-197.	6.125
2.	Saračević M. , Adamovic S., Miskovic V., M.Elhoseny, Macek N., M.M.Selim, K.Shankar (2021), Data Encryption for IoT Applications Based on Catalan Objects and Some Matchings Structures, <i>IEEE Transactions on Reliability</i> , 70(2): 819 – 830.	5.883
3.	Saračević M. , Kumar Sharma S., Ahmad K. (2022), A Novel Block Encryption Method based on Catalan Random Walks, <i>Multimedia Tools and Applications, Springer Nature</i> , volume 81, pages 36667–36684.	2.757
4.	V. Rajasekar, B. Predić, M. Saračević , M. Elhoseny, D. Karabasevic, D. Stanujkic, P. Jayapaul (2022), Enhanced Multimodal Biometric Recognition Approach for Smart Cities Based on an Optimized Fuzzy Genetic Algorithm, <i>NATURE Scientific Reports</i> , 12, Article number: 622, www.nature.com/articles/s41598-021-04652-3	4.996
5.	Adamovic S., Miskovic V., Macek N., Milosavljevic M., Sarac M., Saračević M. , Gnjatovic M. (2020), An Efficient Novel Approach to Iris Recognition Based on Stylometric Features and Machine Learning Techniques, <i>Future Generation Computer Systems, Elsevier</i> , Vol. 107, pp. 144 – 157.	7.187
6.	S. Jukic, M. Saračević , A. Subasi, J. Kevric (2020), Comparison of Ensemble Machine Learning Methods for Automated Classification of Focal and Non-focal Epileptic EEG Signals, <i>Mathematics</i> , 8(9), 1481, pp. 1-16, MDPI, Switzerland. https://www.mdpi.com/2227-7390/8/9/1481	2.258
7.	S.Barzut, M.Milosavljevic, S. Adamovic, M. Saračević , N. Macek, M.Gnjatovic (2021), A Novel Fingerprint Biometric Cryptosystem Based on Convolutional Neural Networks, <i>Mathematics</i> , 9(7), 730. https://www.mdpi.com/2227-7390/9/7/730	2.592
8.	Stanujkic, D.; Karabasevic, D.; Popovic, G.; Stanimirovic, P.S.; Saračević, M. ; Smarandache, F.; Katsikis, V.N.; Ulutas, A. (2021) A New Grey Approach for Using SWARA and PIPRECIA Methods in a Group Decision-Making Environment. <i>Mathematics</i> , 9, 1554.	2.592
9.	Selimovic F., Stanimirovic P., Saračević M. , Krtolica P. (2021), Application of Delaunay triangulation and Catalan objects in steganography, <i>Mathematics</i> , 2021, 9, 1172. https://www.mdpi.com/2227-7390/9/11/1172	2.592
10.	Pavlović N., Šarac M., Adamović S., Saračević M. , Ahmad K., Maček N., Kumar Sharma D. (2022), An Approach to Adding Simple Interface as Security Gateway Architecture for IoT Device, <i>Multimedia Tools and Applications</i> , 81, pages 36931–36946, https://doi.org/10.1007/s11042-021-11389-8	2.757
11.	R. Sarić, J.Kevrić, M. Kadić, N. Hadžiabdić, A. Osmanović, M. Saračević , D. Jokić, V. Rajs (2022), Dental Age Assessment based on CBCT Images using Machine Learning Algorithms, <i>Forensic Science International</i> , Volume 334, Article no. 111245, Elsevier.	2.676
12.	D. Stanujkic, D.Karabasevic, G. Popovic, F. Smarandache, P. Stanimirović, M.Saračević , V. Katsikis (2022), A Single Valued Neutrosophic Extension of the Simple WISP Method , <i>INFORMATICA</i> , Volume 33, Issue 3, pp. 635–651, https://doi.org/10.15388/22-INFOR483	3.429
13.	R. Hassan, S. Pepic, M. Saračević , K. Ahmad, M. Tasic (2021), A Novel Approach to Data Encryption based on Matrix Computations, <i>CMC – Computers, Materials and Continua, Tech Science Press</i> , Vol.66, No.2, pp.1139-1153. https://www.techscience.com/cmc/v66n2/40662	3.860

14.	V. Rajasekar, M. Saračević , D. Karabasevic, D. Stanujkic, Dobardzic E., Sathya K. (2022), Efficient Cancelable Template Generation Based on Signcryption and Bio Hash Function, <i>Axioms</i> 2022, 11(12), 684; https://doi.org/10.3390/axioms11120684	1.824
15.	Elsadai A., Adamović S., Šarac M., Saračević M. , Kumar Sharma S. (2022), New Approach for Fingerprint Recognition Based on Stylometric Features with Blockchain and Cancellable Biometric Aspects, <i>Multimedia Tools and Applications</i> , 81, pages 36715–36733, https://doi.org/10.1007/s11042-021-11581-w	2.577
16.	Saračević M. , Adamovic S., Macek N., Elhoseny M., Sarhan S. (2020), Cryptographic Keys Exchange Model for Smart City Applications, <i>IET Intelligent Transport Systems</i> , Vol. 14, No. 11, pp. 1456-1464. https://digital-library.theiet.org/content/journals/10.1049/iet-its.2019.0855	2.496
17.	Saračević M. , Adamovic S., Bisevac E. (2018), Applications of Catalan numbers and Lattice Path combinatorial problem in cryptography, <i>Acta Polytechnica Hungarica: Journal of Applied Sciences</i> , Vol. 15, No. 7, pp. 91 – 110, publisher: Obuda University, Hungarian Academy of Engineering and IEEE Hungary Section.	1.286
18.	M. Gnjatović, N. Maček, M. Saračević , S. Adamović, D. Joksimović, D. Karabašević (2023). Cognitively Economical Heuristic for Multiple Sequence Alignment under Uncertainties, <i>Axioms</i> 2023, 12(1), 3; https://doi.org/10.3390/axioms12010003	1.824
19.	Stanimirovic P., Krtolica P., Saračević M. , Masovic S. (2014), Decomposition of Catalan Numbers and Convex Polygon Triangulations, <i>International Journal of Computer Mathematics</i> , Vol. 91, No. 6, pp. 1315–1328, Taylor and Francis – UK. Research project of the Serbian Ministry of Science [174033].	0.824
20.	Stanujkić, D.; Karabašević, D.; Popović, G.; Stanimirović, P.S.; Smarandache, F.; Saračević, M. ; Ulutaş, A.; Katsikis, V.N. (2021). An Innovative Grey Approach for Group Multi-Criteria Decision Analysis Based on the Median of Ratings by Using Python. <i>Axioms</i> 10 (2), 124. https://www.mdpi.com/2075-1680/10/2/124	1.824
21.	Stanujkić, D.; Karabašević, D.; Popović, G.; Kazimieras Zavadskas E.; Saračević, M. ; Stanimirović, P.S.; Ulutaş, A.; Katsikis, V.N.; Meidute-Kavaliauskiene L. (2021). Comparative Analysis of the Simple WISP and Some Prominent MCDM Methods: A Python Approach. <i>Axioms</i> 10(4), 347, MDPI Switzerland; https://doi.org/10.3390/axioms10040347	1.824
22.	Predić, B.; Vukić, U.; Saračević, M. ; Karabašević, D.; Stanujkić, D. (2022) The Possibility of Combining and Implementing Deep Neural Network Compression Methods. <i>Axioms</i> 11(5), 229, MDPI Switzerland.	1.824
23.	Karabašević, D.; Ulutaş, A.; Stanujkić, D.; Saračević, M. ; Popović, G. (2022). A New Fuzzy Extension of the Simple WISP Method. <i>Axioms</i> 2022, 11(7), 332; MDPI Switzerland,	1.824
24.	Rajasekar V., Jayapaul P., Krishnamoorthi S., Saračević M. (2021), Secure Remote User Authentication Scheme on Health Care, IoT and Cloud Applications: A Multilayer Systematic Survey, <i>Acta Polytechnica Hungarica: Journal of Applied Sciences</i> , Vol. 18, No. 3, pp. 87-106.	1.711
25.	Selimovic F., Stanimirovic P., Saračević M. , Selimi A., Krtolica P. (2020) Authentication based on the image encryption using Delaunay triangulation and Catalan objects, <i>Acta Polytechnica Hungarica</i> , 17, 6, pp. 207-224.	1.806
26.	Predić B., Manić D., Saracevic M. , Karabašević D., Stanujkić D. (2022), Automatic Image Caption Generation Based On Some Machine Learning Algorithms, <i>Mathematical Problems in Engineering</i> , Article ID 4001460,	1.430

	https://doi.org/10.1155/2022/4001460 , Hindawi.	
27.	V. Rajasekar, M. Saračević , M. Hassaballah, D. Karabasevic, D. Stanujkic, M. Zajmovic, U. Tariq, P. Jayapaul, (2023), Efficient Multimodal Biometric Recognition for Secure Authentication Based on Deep Learning Approach, <i>International Journal on Artificial Intelligence Tools</i> , Volume No. 32, Issue No. 03, Article No. 2340017, World Scientific Publishing.	1.059
28.	Rajasekar V, Jayapaul P., Krishnamoorthi S., Saračević M. , Elhoseny M., Al-Akaidi M. (2021), Enhanced WSN Routing Protocol for Internet of Things to Process Multimedia Big Data, <i>Wireless Personal Communications, Springer</i> , 126, pp. 2081–2100.	2.017
29.	Saračević M. , Adamovic S., Macek N., Selimi A., Pepic S.(2021), Source and Channel Models for Secret-key Agreement Based on Catalan Numbers and the Lattice Path Combinatorial Approach, <i>Journal of Information Science and Engineering</i> , Vol. 37, No. 2, pp. 469-482.	1.142
30.	Sarac M., Adamovic S., Saračević M. (2021), Interactive and Collaborative Experimental Platforms for Teaching Introductory Internet of Things Concepts, <i>International Journal of Engineering Education</i> , 37(4), pp. 1071–1079.	0.971
31.	Saračević M. , Selimi A. (2019), Convex Polygon Triangulation based on Ballot problem and Planted Trivalent Binary Tree, <i>Turkish journal of Electrical Engineering and Computer Sciences</i> , 27(1): 346 – 361, Turkey.	0.682
32.	Saračević M. , Stanimirovic P., Krtolica P., Masovic S. (2014), Construction and Notation of Convex Polygon Triangulation based on ballot problem, <i>ROMJIST – Journal of Information Science and Technology</i> , 17(3): 237–251, IMT Bucharest – National Institute for Research and Development in Microtechnologies. https://www.romjist.ro/content/pdf/03-msaracevic2014.pdf	0.304
33.	Milosevic D., Pepic S., Saračević M. , Tasic M. (2016), Weighted Moore-Penrose generalized matrix inverse: MySQL vs. Cassandra database storage system, <i>Sadhana – Academy Proceedings in Engineering Sciences</i> , Springer, Vol. 41, Issue 8, pp. 837-846.	0.465
34.	Novalic F., Azizovic E., Selimovic F., Saračević M. (2021), The Importance of Implementing a Multimedia Application Created According ADDIE Instructional Design Model in Letter Writing and Reading, <i>Croatian journal of education</i> , Vol. 23(1), pp. 217-253, https://hrcak.srce.hr/256414	0.258
35.	Masovic S, Saračević M. , Stanimirovic P. (2014), Alpha-Numeric notation for one Data Structure in Software Engineering, <i>Acta Polytechnica Hungarica: Journal of Applied Sciences</i> , Vol.11, No.1, pp.193-204. http://acta.uni-obuda.hu/Masovic_Saracevic_Stanimirovic_47.pdf	0.649
36.	Novalic F., Novalic M., Saračević M. , Azizovic E. (2017), The Importance of E-learning for Doing Homework in Teaching Islamic Religious Instructions in Primary Schools, <i>Croatian journal of education</i> , Vol.19, No.1, pp. 267-303. https://hrcak.srce.hr/179503	0.158
37.	Stanimirovic P., Krtolica P., Saračević M. , Masovic S.(2012), Block method for Triangulation Convex Polygon, <i>ROMJIST – Journal of Information Science and Technology</i> , Vol.15, No.4, pp. 344-354.	0.283
38.	Stanimirovic P., Tasic M., Saračević M. , Masovic S. (2012), UML-Based Modeling for the Moore-Penrose inverse computation, <i>Revista Metal. International</i> , ISSN: 1582-2214, Vol. 17, No. 12, pp. 99–106.	0.134
39.	Masovic S., Saračević M. , Kamberovic H., Kudumovic M., (2012), Java technology in the design and implementation of web applications, <i>Technics Technologies Education Management</i> , ISSN: 1840-1503, Vol.7, No.2, pp. 504–512.	0.414

Book Chapters (scientific publishers: Elsevier, Springer, IEEE, Wiley, De Gruyter, Taylor and Francis)	
40.	Saračević M. , Jukic S., Hasanovic A. (2020), A Steganography Method Based on Decomposition of the Catalan Numbers, Elsevier Book: Digital Media Steganography – Principles, Algorithms, Advances, Chapter 8, Pages 145-163, ISBN: 978-0-12-819438-6, ELSEVIER.
41.	Saračević M. , Plojovic S., Busatlic S. (2020), IoT application for smart cities data storage and processing based on triangulation method, Springer Book Series: S.M.A.R.T. Environments (in Book: Internet of Things (IoT): Concept and Applications), Chapter 17, pp. 317-334, ISBN 978-3-030-37467-9, SPRINGER NATURE
42.	Saračević M. , Loncarevic Z., Hasanovic A. (2021), Optimization techniques for intelligent IoT applications in transport processes, IEEE / WILEY Book – Emerging trends and role of Fog, Edge and Pervasive Computing in Intelligent IoT driven applications, chapter 18, pp. 333 – 349, ISBN: 978-111-96-7007-0.
43.	Saračević M. , Selimi A., Pepic S. (2022), Research Anthology on Securing Medical Systems and Records, edited by Information Resources Management Association, ISBN: 9781668463116, IGI Global, pp. 644-661.
44.	Saračević M. , Selimi A., Plojovic S. (2019), Some specific examples of attacks on information systems and smart cities applications, Springer Book Series: Advanced Sciences and Technologies for Security Applications (in Book: Cybersecurity and Secure Information Systems), pp. 205-226, ISBN 978-3-030-16837-7, Springer Nature,
45.	Saračević M. , Elhoseny M., Selimi A., Loncarevic Z. (2021), Possibilities of applying the triangulation method in the biometric identification process, Springer Book Series (in: Biometric Identification Technologies Based on Modern Data Mining Methods), Chapter 1, pp. 1-18, ISBN: 978-3-030-48377-7, SPRINGER NATURE.
46.	Saračević M. , Selimi A. (2021), Data Encryption for IoT Applications based on Two-Parameter Fuss-Catalan Numbers, Internet of Everything: Security and Privacy Paradigm (in Book: Security and Trust Issues in Internet of Things: Blockchain to the rescue), chapter 7, pp.145-163, CRC Press, TAYLOR and FRANCIS, USA. ISBN: 9780367490652.
47.	Saračević M. , Pepic S., Novalic F. (2021), Cryptographic Method Based On Catalan Objects and Enumerative Chess Problem, Book Series: Distributed Denial of Service Attacks – Concepts, mathematical and cryptographic solutions, pp. 51-65, Walter De Gruyter, Germany.
48.	Saračević M. , Selimi A., Pepic S. (2020), Implementation of Encryption and Data Hiding in E-Health Application, In Book “Intelligent Data Processing and Information Security Systems”, Chapter 2, pp. 25-42, ISBN: 978-1-799-81290-6, IGI Global Book, USA.
49.	N. Vukobrat, S. Adamovic, N. Macek, M. Saračević , M. Gnjatovic (2021), Cryptanalysis and Security Evaluation Using Artificial Neural Networks, In Book “Integration of WSNs into Internet of Things: A Security Perspective” (Series: Internet of Everything (IoE): Security and Privacy Paradigm), Chapter 4, pp.65-80, CRC Press, Taylor and Francis, USA.
50.	Rajasekar V., Premalatha J., Saračević M. (2022), Cyber security in 5G and IoT networks, In Book: Secure Communication for 5G and IoT Networks, EAI/Springer Innovations in Communications and Computing, Chapter 3, pp. 29-46, SPRINGER NATURE,
51.	Malik A., Yadav N., Srivastava J., Obaid A., Saračević M. (2022), Blockchain in the pharmaceutical industry for better tracking of drugs with architectures and open challenges, In book “Social, Economic and Technological Implications of Blockchain Technology in Healthcare Applications”, Chapter 14, pp. 275-296, ISBN:

	9781032123196, CRC Press, Taylor & Francis Group, USA.
52.	Kumar A., Bhardwaj A., Bhowmik T., Obaid A., Saračević M. (2022), Interoperability, anonymity and privacy issues in blockchain for healthcare systems, In book “Social, Economic and Technological Implications of Blockchain Technology in Healthcare Applications”, Chapter 13, pp. 253-274, ISBN: 9781032123196, CRC Press, Taylor & Francis Group, USA.
53.	H. Shaari, J. Kevrić, M. Saračević , N. Ahmed (2023), Performance Investigation of Several Convolutional Neural Network Models in Healthcare System, Elsevier book “Blockchain Technology Solutions for the Security of IoT-based Healthcare Systems”, Chapter 5, pp.97-112, ISBN: 978-0-323-99199-5.
54.	M.Šarac, N. Pavlović, S. Adamović, M. Saračević , D. Radovanović (2023), Blockchain implementation for IoT devices: Blockchain of Things, Elsevier book “Blockchain Technology Solutions for the Security of IoT-based Healthcare Systems”, Chapter 8, pp.151-165, ISBN: 978-0-323-99199-5.
55.	N. Vukobrat, N. Maček, S. Adamović, M. Saračević , M. Gnjatović (2023), Implementation of two factor authentication using face and iris biometrics, Elsevier book “Blockchain Technology Solutions for the Security of IoT-based Healthcare Systems”, Chapter 4pp. 77-96, ISBN: 978-0-323-99199-5.
56.	V.Rajasekar, Venu K, V. Sharma, M. Saracevic (2023), Algorithmic strategies for solving complex problems in financial cryptography, Book: Homomorphic encryption for financial cryptography, Springer Nature (accepted)
57.	Jankovic A., Nikolic S., Saračević M. (2018), Book Chapter (in English): Preparing teachers for new professional roles and competences, in: Balkan Educational Research 2018 (International research book), Editor: prof. dr Hikmet Asutay, pp. 6-22, Trakya University – Faculty of Education in Edirne, Turkey, ISBN: 978-975- 374-201-6.
58.	Selimi A., Saračević M. , Rushiti A. (2018), Book Chapter (in Turkish): The role of multimedia in interactive mathematics education – case study Macedonia, in: Balkan Educational Research 2018 (International research book), Editor: prof. dr Hikmet Asutay, pp. 31-41, publisher: Trakya University, Turkey, ISBN: 978-975-374-201-6.
59.	Saračević M. (2017), Book Chapter (in English): WIRIS and Moodle Environment As Global Solution For Mathematics Education – Research About Positive Impact On Teaching And Learning, in: Balkan Educational Research 2017 (International research book), Editor: prof. dr Hikmet Asutay, Trakya University, Turkey, ISBN: 978-975-374-213-9.
Papers in international journals (ESCI, Scopus)	
60.	Rajasekar V., Krishnamoorthi S., Saračević M., et al. (2022), Ensemble Machine Learning Methods to Predict the Balancing Constituents in the Human Body, Computer Science, 23(1), pp. 117-132, https://doi.org/10.7494/csci.2022.23.1.4315 , AGH University of Science and Technology, Poland, Indexed in SCOPUS (Elsevier) and ESCI-Emerging Sources Citation.
61.	Novalić F., Novalić M., Saračević M., Hadzic M., Kalac N. (2022), The Influence of Electronic Education on Students of Islamic Science, International Social Science Journal, Volume 72, Issue 243, pp. 159-174 Wiley, DOI: 10.1111/issj.12300.
62.	Aybeyan S., Saračević M., Useini A. (2020), Impact of Using Digital Tools in High School Mathematics: A Case Study in North Macedonia, Universal Journal of Educational Research, Vol.8, No.8, 3615-3624 , USA.
63.	Aybeyan S., Krrabaj S., Saračević M., Pepic S. (2019), Memoization method for storing of minimum-weight triangulation of a convex polygon, Computer Science – AGH, Vol.20, No.2, pp. 195-211, AGH University of Science and Technology, Poland, Indexed in SCOPUS (Elsevier) and ESCI-WOS.
64.	Saračević M., Aybeyan S., Selimovic F. (2018), Generation of cryptographic keys with algorithm of polygon triangulation and Catalan numbers, Computer Science – AGH,

	Vol.19, No.3, pp. 243-256, AGH University of Science and Technology, Poland, Indexed in SCOPUS (Elsevier) and ESCI.
65.	Saračević M., Selimi A., Mujevic M. (2018), Implementation Example of the Expert system for Decision Support on Android platform based on a specific Dataset, Periodicals of Engineering and Natural Sciences, ISSN: 2303-4521, Vol.6, No.1, pp. 76-83, Indexed in SCOPUS (Elsevier).
66.	Saračević M., Masovic S., Stanimirovic P., Krtolica P., (2018), Method for finding and storing optimal triangulations based on Square Matrix, Applied Sciences – Geometry Balkan Press, Vol.20, pp. 167-180, Indexed in SCOPUS (Elsevier), SJR IF: 0.26.
67.	Rahmanovic A., Saračević M., Mujevic M., Sukic C. (2018), Possibilities of applying video surveillance and other ICT tools and services in the production process, TEM Journal: Association for Information Communication Technology Education and Science, Vol.7, No.1, pp. 128-136, ISSN:2217-8309, Published by: UIKTEN, indexed in Emerging Science Citation Index and SCOPUS.
68.	Saračević M., Stanimirovic P., Masovic S. (2013), Implementation of some algorithms in computer graphics in Java, Technics Technologies Education Management, Vol. 8, No.1, pp. 293–300, publisher: DRUNPP Association – Society for development of teaching and business processes in new net environment in BIH.
69.	Saračević M., Hadzic M., Koricanin E. (2017), Generating Catalan-keys based on dynamic programming and their application in steganography, International Journal of Industrial Engineering and Management (IJIEM), ISSN: 2217-2661, Vol.8, No.4, pp. 219-227, Indexed in SCOPUS (Elsevier).
70.	Sabanovic M., Saračević M., Azizovic E. (2016), Comparative analysis of technologies for data transfer between the server and the client: AMF, JSON and XML, Periodicals of Engineering and Natural Sciences, ISSN: 2303-4521, Vol.4, No.2, DOI: 10.21533/pen.v4i2.57.g76.
71.	Rahmanovic A., Saračević M. (2016), Implementation of project GPS system in the function of telemetric monitoring and control in mining, TEM Journal: Association for Information Communication Technology Education and Science, Vol.5, No.4, pp. 475–479, ISSN:2217-8309, Published by: UIKTEN.
72.	Sabanovic M., Saračević M., Azizovic E. (2017), One software solution for data transfer between client and server with emphasis on saving memory and CPU usage, International Journal of Industrial Engineering and Management (IJIEM), ISSN: 2217-2661, Vol.8, No.1, pp. 1-8, Indexed in SCOPUS (Elsevier), SJR IF: 0.17, Q3.
73.	Saračević M., Kozic M., Selimovic F., Fetaji B. (2013), Improving university teaching using application for mobile devices based on NetBiscuit platform and integration with the LMS, TEM Journal: Association for Information Communication Technology Education and Science, ISSN:2217-8309, Vol. 2, No.1, pp. 87-92.
74.	Sukic C., Saračević M. (2012), UML and JAVA as effective tools for implementing algorithms in computer graphics, TEM Journal: Association for Information Communication Technology Education and Science, ISSN:2217-8309, Published by: UIKTEN, Vol. 1, No.2, 2012, pp.111-117.
Editorship of Special Issue in journal or international book	
75.	Elsevier book “Blockchain Technology Solutions for the Security of IoT-based Healthcare Systems”, Elsevier Book Series: Cognitive Data Science in Sustainable Computing (2021), Editors: Bhushan B., Sharma K., Saračević M. , Boulmakoul A.
76.	Axioms Journal: <i>Special Issue "Multiple-Criteria Decision-Making and Computational Intelligence: Recent Applications"</i> , MDPI (2021-2022). Special Issue Editors: Stanujkić, D.; Karabašević, D.; Popović, G.; Ulutaš, A; Saračević, M. ;
77.	Axioms Journal: <i>SI "Multiple-Criteria Decision-Making and Computational Intelligence: Recent Applications II"</i> , MDPI (2023). Special Issue Editors: Stanujkić, D.; Karabašević, D.; Popović, G.; Ulutaš, A; Saračević, M. ;

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<p>OSTALE FUNKCIJE IZ OBLASTI OBRAZOVANJA: [Other educational functions]</p>	<ul style="list-style-type: none"> • Član je Matičnog odbora za matematiku, kompjuterske nauke i mehaniku pri Ministarstvu nauke, tehnološkog razvoja i inovacija (mandat 2021-2026). • Recenzent je pri Nacionalnom telu za akreditaciju i proveru kvaliteta u visokom obrazovanju za studijske programe u oblasti prirodno-matematičkih nauka. • Od marta 2023. godine, međunarodni je recezent za program transfera tehnologije u Fondu za inovacionu delatnost. • Jedan je od članova savetodavnog odbora u okviru <i>Horizon (EIT's HEI Initiative)</i> projekta <i>Smart4Future</i>. • Na osnovu odluke Ministarstva nauke, mladih, kulture i sporta (BiH), imenovan je za člana ekspertske odbora za davanje stručnog mišljenja i recenziranja studijskog programa iz oblasti informacionih tehnologija. • Počasni član je <i>Neutrosophic Science International Association (NSIA), University of New Mexico, USA</i>. • Od februara 2023. godine, član je <i>Bosansko-Hercegovačko–Američke Akademije Nauka i Umjetnosti (BHAAAS)</i> u svojstvu međunarodnog člana iz oblasti prirodnih nauka. • Član je uređivačkih odbora za više od 15 međunarodnih naučnih časopisa. • Uradio je više od 230 recenzija za prestižne časopise.
<p>OSTALE AKTIVNOSTI: [Other activities]</p>	<ul style="list-style-type: none"> • Usavršavao se iz oblasti zaštite podataka i poseduje sertifikat za upravljanje bezbednošću informacionih sistema. Poseduje licencu predavača <i>Oracle</i> akademije i sertifikate za Java programiranje i baze podataka. Autor je tri akreditovana seminara od strane Zavoda za

unapređivanje obrazovanja i vaspitanja (ZUOV) u okviru Centra za profesionalni razvoj zaposlenih u obrazovanju.

- Objavio je više od 190 radova, od toga oko 100 radova u međunarodnim i nacionalnim časopisima, više od 40 radova je objavljeno u prestižnim međunarodnim časopisima indeksiranim na SCI listi (kategorije M21a/21/22/23). Naučne radove i poglavlja publikovao je u časopisima i u monografijama svetskih izdavača naučne literature (Elsevier, Springer, IEEE, Taylor and Francis, Nature, Wiley, IET, TechScience Press, De Gruyter, MDPI, Hindawi, World Scientific, IGI Global, IOP Science). Autor je dva udžbenika i jedne zbirke zadataka.
- Njegovi radovi su citirani više od 1000 puta.
- Posедуje dugogodišnje pedagoško iskustvo, u visokom obrazovanju duže od 16 godina (počev od saradnika i asistenta, zatim docenta i vanrednog profesora, do redovnog profesora). U periodu od 2011. do 2013. bio je pomoćnik rukovodioca departmana, a od 2013. do kraja 2017. godine bio je rukovodilac Departmana za računarske nauke. Obavljao je funkciju koordinatora za naučno-istraživačku delatnost univerziteta, a od aprila 2021. godine, imenovan je za prorektora za nauku Univerziteta u Novom Pazaru.
- Držao je predavanja po pozivu i kao gostujući profesor na sedam fakulteta u zemlji i inostranstvu. Bio je mentor na više od 80 diplomskih radova, 13 master i 4 doktorske disertacije. Takođe, bio je član u komisijama za odbranu više od 50 diplomskih radova, 20 master i 3 doktorske disertacije. Pored rada u visokom obrazovanju, radio je i kao nastavnik matematike i nastavnik TIO.
- Bio je član Saveta Univerziteta u Novom Pazaru od 2017. godine do 2021. godine. U periodu od 2014. do 2017. godine, u svojstvu rukovodioca Departmana za računarske nauke, bio je član Senata Univerziteta u Novom Pazaru. Pored toga, u svojstvu prorektora za nauku, od 2021. godine do danas je član Senata Univerziteta u Novom Pazaru. Bio je član radne grupe za izradu Strateškog plana naučno-istraživačkog rada Univerziteta u Novom Pazaru za period 2017/18.-2021/22. i 2022/23.-2026/27. godine. Takođe, bio je član Odbora za obezbeđivanje i unapređenje kvaliteta na Univerzitetu u Novom Pazaru.
- Dobitnik je nekoliko priznanja koja se odnose na njegov period studiranja, na pedagoški rad ali i naučno-istraživački rad. Odlikovan je plaketom univerziteta, kao student generacije.
- Po istraživanju nevladine organizacije iSerbia, u okviru ocenjivanja i rangiranja nastavnog osoblja na fakultetima (uzorak: 76 fakulteta u Srbiji, 5169 ispitanika), proglašen je za najboljeg asistenta u Srbiji za 2013/2014. godinu.
- Svetska izdavačka kuća Taylor and Francis iz Velike Britanije, koja broji oko 3000 međunarodnih časopisa i serijskih publikacija, rangirala je njegov autorski rad na kojem se bazira njegova doktorska disertacija u 10 najcitiranijih radova iz oblasti Matematike i Statistike za 2014. godinu.

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