

В) ГРУПАЦИЈА ТЕХНИЧКО-ТЕХНОЛОШКИХ НАУКА

С А Ж Е Т А К
РЕФЕРАТА КОМИСИЈЕ О ПРИЈАВЉЕНИМ КАНДИДАТИМА
ЗА ИЗБОР У ЗВАЊЕ

I - О КОНКУРСУ

Назив факултета:	Саобраћајни факултет
Ужа научна, односно уметничка област:	Операциона истраживања у поштанском и телекомуникационом саобраћају
Број кандидата који се бирају:	1 (један)
Број пријављених кандидата:	1 (један)
Имена пријављених кандидата:	1. Проф. др Владимир Симић, дипл. инж. саобраћаја

II - О КАНДИДАТИМА**1) - Основни биографски подаци**

- Име, средње име и презиме:	Владимир, Драган, Симић
- Датум и место рођења:	16.09.1983. године, Београд, Република Србија
- Установа где је запослен:	Универзитет у Београду - Саобраћајни факултет
- Звање/радно место:	Ванредни професор
- Научна, односно уметничка област	Саобраћајно инжењерство

2) - Стручна биографија, дипломе и звања

<u>Основне студије:</u>	
- Назив установе:	Универзитет у Београду - Саобраћајни факултет
- Место и година завршетка:	Београд, 2008. године
<u>Мастер:</u>	
- Назив установе:	/
- Место и година завршетка:	/
- Ужа научна, односно уметничка област:	/
<u>Магистеријум:</u>	
- Назив установе:	/
- Место и година завршетка:	/
- Ужа научна, односно уметничка област:	/
<u>Докторат:</u>	
- Назив установе:	Универзитет у Београду - Саобраћајни факултет
- Место и година одбране:	Београд, 2014. године
- Наслов дисертације:	Моделирање и управљање системима за рециклажу возила
- Ужа научна, односно уметничка област:	Операциона истраживања, Руковање материјалом и еко логистика
<u>Досадашњи избори у наставна и научна звања:</u>	
- сарадник у настави, Универзитет у Београду – Саобраћајни факултет (одлука број 126/5 од 10.03.2008. године).	
- сарадник у настави, Универзитет у Београду – Саобраћајни факултет (одлука број 268/2 од 01.04.2009. године).	
- асистент, Универзитет у Београду – Саобраћајни факултет (одлука број 238/5 од 12.05.2010. године).	

- **асистент**, Универзитет у Београду – Саобраћајни факултет (одлука број 231/4 од 12.06.2013. године).
- **доцент**, Универзитет у Београду – Саобраћајни факултет (одлука број 455/6 од 19.10.2015. године).
- **ванредни професор**, Универзитет у Београду – Саобраћајни факултет (одлука број 639/9 од 01.12.2020. године).

3) Испуњени услови за избор у звање РЕДОВНОГ ПРОФЕСОРА

ОБАВЕЗНИ УСЛОВИ:

	<i>(заокружити испуњен услов за звање у које се бира)</i>	оцена / број година радног искуства
1	Приступно предавање из области за коју се бира, позитивно оцењено од стране високошколске установе	Није применљиво
2	Позитивна оцена педагошког рада у студентским анкетама током целокупног претходног изборног периода	Средња оцена 4,68
3	Искуство у педагошком раду са студентима	18 година 2008-2025
	<i>(заокружити испуњен услов за звање у које се бира)</i>	Број менторства / учешћа у комисији и др.
4	Резултати у развоју научнонаставног подмлатка	Од избора у звање ванредног професора: ментор једног мастер рада, члан комисије за избор једног доцента и тренутно ментор једном кандидату на докторским студијама.
5	Учешће у комисији за одбрану три завршна рада на академским специјалистичким, мастер или докторским студијама	9 завршних радова (2 од избора у звање ванредног професора), 4 дипломска рада, 11 мастер радова (5 од избора у звање ванредног професора), 4 докторске дисертације (3 од избора у звање ванредног професора).

	<i>(заокружити испуњен услов за звање у које се бира)</i>	Број радова, саопштења, цитата и др	Навести часописе, скупове, књиге и друго
6	Објављен један рад из категорије M21, M22 или M23 из научне области за коју се бира		Није применљиво
7	Саопштена два рада на научном или стручном скупу (катеорије M31-M34 и M61-M64).		Није применљиво
8	Објављена два рада из категорије M21, M22 или M23 од првог избора у звање доцента из научне области за коју се бира		Није применљиво
9	Саопштена три рада на међународним или домаћим научним скуповима (катеорије M31-M34 и M61-		Није применљиво

	M64) од избора у претходно звање из научне области за коју се бира.		
10	Оригинално стручно остварење или руковођење или учешће у пројекту	Четири учешћа у елаборатима, студијама и пројектима	Од избора у звање ванредног професора, учествовао је у изради 1 пројекта, 2 студије и 1 елабората.
11	Одобрен и објављен уџбеник за ужу област за коју се бира, монографија, практикум или збирка задатака (са ISBN бројем)		Није применљиво
12	Објављен један рад из категорије M21, M22 или M23 у периоду од последњег избора из научне области за коју се бира. (за поновни избор ванр. проф)		Није применљиво
13	Саопштена три рада на међународним или домаћим научним скуповима (категорије M31-M34 и M61-M64) у периоду од последњег избора из научне области за коју се бира. (за поновни избор ванр. проф)		Није применљиво
14	Објављена два рада из категорије M21, M22 или M23 од првог избора у звање ванредног професора из научне области за коју се бира.	213 радова из категорије M20: 110 - M21a 60 - M21 35 - M22 8 - M23	Референце из библиографије радова из категорије M20, дате су на крају табеле, од 14.1 до 14.213.
15	Цитираност од 10 хетероцитата	2797 хетероцитата (према Web of Science)	Web of Science: 3277 хетероцитата, <i>h</i> -индекс=34. Scopus: 4165 цитата, <i>h</i> -индекс=37. Google Scholar: 5698 цитата, <i>h</i> -индекс=43.
16	Саопштено пет радова на међународним или домаћим скуповима (категорије M31-M34 и M61-M64) од којих један мора да буде пленарно предавање или предавање по позиву на међународном или домаћем научном скупу од избора у претходно звање из научне области за коју се бира	Девет радова из категорија M30 и M60: 5 - M33 4 - M61	Референце из библиографије радова из категорија M30 и M60 дате су на крају табеле, од 16.1 до 16.9.
17	Књига из релевантне области, одобрен уџбеник за ужу област за коју се бира, поглавље у одобреном уџбенику за ужу област за коју се бира или превод иностраног уџбеника одобреног за ужу област за коју се бира, објављени у периоду од избора у наставничко звање	1 основни уџбеник	Симић, В. (2025). <i>Управљање залихама у комуникационим системима</i> , Основни уџбеник, Универзитет у Београду – Саобраћајни факултет, Београд, 2025. ISBN 978-86-7395-496-7.
18	Број радова као услов за менторство у вођењу докт. дисерт. – (стандард 9 Правилника о стандардима...)	223 рада из категорије M20 у последњих 10 година: 113 - M21a 63 - M21 37 - M22 10 - M23	Референце из библиографије на крају табеле, од 14.1 до 14.213 и од 18.1 до 18.10.

Додатак уз тачку 14: БИБЛИОГРАФИЈА РАДОВА ИЗ КАТЕГОРИЈЕ M20 ПОСЛЕ ИЗБОРА У ЗВАЊЕ ВАНРЕДНОГ ПРОФЕСОРА

Радови објављени у часописима изузетних вредности (M21a)

- 14.1. Simić, V., Soušek, R., Jovčić, S. (2020). Picture fuzzy MCDM approach for risk assessment of railway infrastructure. *Mathematics*, 8(12), 2259. ISSN 2227-7390 (IF 2019=1,747; Physical, Chemical & Earth Sciences 28/325; **M21a**) <https://doi.org/10.3390/math8122259>.
- 14.2. Karagöz, S., Deveci, M., Simic, V., Aydin, N. (2021). Interval type-2 Fuzzy ARAS method for recycling facility location problems. *Applied Soft Computing*, 102, 107107. ISSN 1568-4946 (IF 2021=8,263; Computer Science, Interdisciplinary Applications 11/113; **M21a**) <https://doi.org/10.1016/j.asoc.2021.107107>.
- 14.3. Simic, V., Karagoz, S., Deveci, M., Aydin, N. (2021). Picture fuzzy extension of the CODAS method for multi-criteria vehicle shredding facility location. *Expert Systems with Applications*, 175, 114644. ISSN 0957-4174 (IF 2021=8,665; Operations Research & Management Science 8/87; **M21a**) <https://doi.org/10.1016/j.eswa.2021.114644>.
- 14.4. Deveci, M., Simic, V., Torkayesh, A. E. (2021). Remanufacturing facility location for automotive Lithium-ion batteries: An integrated neutrosophic decision-making model. *Journal of Cleaner Production*, 317, 128438. ISSN 0925-5273 (IF 2021=11,072; Environmental Sciences 24/279; **M21a**) <https://doi.org/10.1016/j.jclepro.2021.128438>.
- 14.5. Deveci, M., Simic, V., Karagoz, S., & Antucheviciene, J. (2022). An interval type-2 fuzzy sets based Delphi approach to evaluate site selection indicators of sustainable vehicle shredding facilities. *Applied Soft Computing*, 118, 108465. ISSN 1568-4946 (IF 2021=8,263; Computer Science, Interdisciplinary Applications 11/113; **M21a**) <https://doi.org/10.1016/j.asoc.2022.108465>.
- 14.6. Torkayesh, A. E., Simic, V. (2022). Stratified hybrid decision model with constrained attributes: Recycling facility location for urban healthcare plastic waste. *Sustainable Cities and Society*, 77, 103543. ISSN 2210-6707 (IF 2021=10,696; Construction & Building Technology 2/68; **M21a**) <https://doi.org/10.1016/j.scs.2021.103543>.
- 14.7. Simić, V., Ivanović, I., Đorić, V., & Torkayesh, A. E. (2022). Adapting Urban Transport Planning to the COVID-19 Pandemic: An Integrated Fermatean Fuzzy Model. *Sustainable Cities and Society*, 79, 103669. ISSN 2210-6707 (IF 2021=10,696; Construction & Building Technology 2/68; **M21a**) <https://doi.org/10.1016/j.scs.2022.103669>.
- 14.8. Pamucar, D., Simic, V., Lazarević, D., Dobrodolac, M., Deveci, M. (2022). Prioritization of sustainable mobility sharing systems using integrated fuzzy DIBR and fuzzy-rough EDAS model. *Sustainable Cities and Society*, 82, 103910. ISSN 2210-6707 (IF 2021=10,696; Construction & Building Technology 2/68; **M21a**) <https://doi.org/10.1016/j.scs.2022.103910>.
- 14.9. Pamucar, D., Torkayesh, A. E., Deveci, M., Simic, V. (2022). Recovery Center Selection for End-of-life Automotive Lithium-ion Batteries Using an Integrated Fuzzy WASPAS Approach. *Expert Systems with Applications*, 206, 117827. ISSN 0957-4174 (IF 2021=8,665; Operations Research & Management Science 8/87; **M21a**) <https://doi.org/10.1016/j.eswa.2022.117827>.
- 14.10. Ala, A., Simic, V., Pamucar, D., Tirkolae, E. B. (2022). Appointment scheduling problem under fairness policy in healthcare services: fuzzy ant lion optimizer. *Expert Systems with Applications*, 207, 117949. ISSN 0957-4174 (IF 2021=8,665; Operations Research & Management Science 8/87; **M21a**) <https://doi.org/10.1016/j.eswa.2022.117949>.
- 14.11. Saha, A., Simic, V., Senapati, T., Dabic-Miletic, S., Ala, A. (2023). A dual hesitant fuzzy sets-based methodology for advantage prioritization of zero-emission last-mile delivery solutions for sustainable city logistics. *IEEE Transactions on Fuzzy Systems*, 31(2), 407-420. ISSN 1063-6706 (IF 2021=12,253; Computer Science, Artificial Intelligence 11/145; **M21a**) <https://doi.org/10.1109/TFUZZ.2022.3164053>.
- 14.12. Ala, A., Simic, V., Pamucar, D., Deveci, M. (2023). Simulation-based Analysis of Appointment Scheduling Systems in Healthcare Services: A Critical Review. *Archives of Computational Methods in Engineering*, 30, 1961-1978. ISSN 0038-0121 (IF 2021=8,171; Mathematics, Interdisciplinary Applications 2/108; **M21a**) <https://doi.org/10.1007/s11831-022-09855-z>.
- 14.13. Ala, A., Simic, V., Pamucar, D., Chiranjibe, J. (2023). A Novel Neutrosophic-Based Multi-Objective Grey Wolf Optimizer for Ensuring the Security and Resilience of Sustainable Energy: A Case Study of Belgium. *Sustainable Cities and Society*, 96, 104709. ISSN 2210-6707 (IF 2021=10,696; Construction & Building Technology 2/68; **M21a**) <https://doi.org/10.1016/j.scs.2023.104709>.
- 14.14. Venkatachalam, K., Trojovský, P., Bacanin, N., Pamucar, D., & Simic, V. (2023). DWFH: An improved data-driven Deep Weather forecasting Hybrid Model using Transductive Long Short Term Memory (T-LSTM). *Expert Systems with Applications*, 213(C), 119270. ISSN 0957-4174 (IF 2021=8,665; Operations Research & Management Science 8/87; **M21a**) <https://doi.org/10.1016/j.eswa.2022.119270>.
- 14.15. Deliktaş, D., Karagoz, S., Simic, V., Aydin, N. (2023). A stochastic Fermatean fuzzy-based multi-choice conic goal programming approach for sustainable supply chain management in end-of-life buildings. *Journal of Cleaner Production*, 382, 135305. ISSN 0959-6526 (IF 2021=11,251; Environmental Sciences 24/279; **M21a**) <https://doi.org/10.1016/j.jclepro.2022.135305>.
- 14.16. Senapati, T., Simic, V., Saha, A., Dobrodolac, M., Rong, Y., Tirkolae, E.B. (2023). Intuitionistic Fuzzy Power Aczel-Alsina Model for Prioritization of Sustainable Transportation Sharing Practices. *Engineering Applications*

- of Artificial Intelligence, 119, 105716. ISSN 0952-1976 (IF 2021=7,802; Engineering, Multidisciplinary 5/92; **M21a**) <https://doi.org/10.1016/j.engappai.2022.105716>.
- 14.17. Das, R., Sahoo, L., Samanta, S., **Simic, V.**, Senapati, T. (2022). Identifying the Shortest Path of a Semidirected Graph and Its Application. *Mathematics*, 10(24), 4807. ISSN 2227-7390 (IF 2021=2,592; Physical, Chemical & Earth Sciences 21/333; **M21a**) <https://doi.org/10.3390/math10244807>.
 - 14.18. **Simic, V.**, Milovanović, B., Pantelić, S., Pamučar, D., Tirkolaee, E.B. (2023). Sustainable Route Selection of Petroleum Transportation Using a Type-2 Neutrosophic Number Based ITARA-EDAS Model. *Information Sciences*, 622, 732-754. ISSN 0020-0255 (IF 2021=8,233; Computer Science, Information Systems 16/164; **M21a**) <https://doi.org/10.1016/j.ins.2022.11.105>.
 - 14.19. Pamučar, D., Puška, A., **Simić, V.**, Stojanović, I., Deveci, M. (2023). Selection of Healthcare Waste Management Treatment Using Fuzzy Rough Numbers and Aczel–Alsina Function. *Engineering Applications of Artificial Intelligence*, 121, 106025. ISSN 0952-1976 (IF 2021=7,802; Engineering, Multidisciplinary 5/92; **M21a**) <https://doi.org/10.1016/j.engappai.2023.106025>.
 - 14.20. Ala, A., Mahmoudi, A., Mirjalili, S., **Simic, V.**, Pamucar, D. (2023). Evaluating the Performance of Various Algorithms for Wind Energy Optimization: A Hybrid Decision-Making Model. *Expert Systems with Applications*, 221, 119731. ISSN 0957-4174 (IF 2021=8,665; Operations Research & Management Science 8/87; **M21a**) <https://doi.org/10.1016/j.eswa.2023.119731>.
 - 14.21. Gokasar, I., **Simic, V.**, Deveci, M., Senapati, T. (2023). Alternative Prioritization of Freeway Incident Management Using Autonomous Vehicles in Mixed Traffic Using a Type-2 Neutrosophic Number Based Decision Support System. *Engineering Applications of Artificial Intelligence*, 123(A), 106183. ISSN 0952-1976 (IF 2021=7,802; Engineering, Multidisciplinary 5/92; **M21a**) <https://doi.org/10.1016/j.engappai.2023.106183>.
 - 14.22. Amirteimoori, A., Tirkolaee, E.B., **Simic, V.**, Gerhard-Wilhelm W. (2023). A parallel heuristic for hybrid job shop scheduling problem considering conflict-free AGV routing. *Swarm and Evolutionary Computation*, 79, 101312. ISSN 2210-6502 (IF 2021=10,267; Computer Science, Artificial Intelligence 14/146; **M21a**) <https://doi.org/10.1016/j.swevo.2023.101312>.
 - 14.23. **Simic, V.**, Dabić-Miletić, S., Tirkolaee, E.B., Stević, Ž., Ala, A., Amirteimoori, A. (2023). Neutrosophic LOPCOW-ARAS Model for Prioritizing Industry 4.0-based Material Handling Technologies in Smart and Sustainable Warehouse Management Systems. *Applied Soft Computing*, 143, 110400. ISSN 1568-4946 (IF 2021=8,263; Computer Science, Interdisciplinary Applications 11/113; **M21a**) <https://doi.org/10.1016/j.asoc.2023.110400>.
 - 14.24. **Simic, V.**, Dabić-Miletić, S., Tirkolaee, E.B., Stević, Ž., Deveci, M., Senapati, T. (2023). Neutrosophic CEBOM-MACONT Model for Sustainable Management of End-of-Life Tires. *Applied Soft Computing*, 143, 110399. ISSN 1568-4946 (IF 2021=8,263; Computer Science, Interdisciplinary Applications 11/113; **M21a**) <https://doi.org/10.1016/j.asoc.2023.110399>.
 - 14.25. Mzili, T., Mzili, I., Riffi, M.E., Pamucar, D., **Simic, V.**, Kurdi, M. (2023). A Novel Discrete Rat Swarm Optimization Algorithm for the Quadratic Assignment Problem. *Facta Universitatis: Series Mechanical Engineering*, 21(3), 529-552. ISSN 0354-2025 (IF 2022=7,9; Engineering, Mechanical 6/135; **M21a**) <https://doi.org/10.22190/FUME230602024M>.
 - 14.26. Khakbaz, A., Mensi, W., Tirkolaee E.B., Hammoudeh, S., **Simic, V.** (2023). The combined effects of interest and inflation rates on inventory systems: A comparative analysis across countries. *International Journal of Production Economics*, 266, 109035. ISSN 0925-5273 (IF 2022=12; Operations Research & Management Science 2/86; **M21a**) <https://doi.org/10.1016/j.ijpe.2023.109035>.
 - 14.27. Mzili, T., Mzili, I., Riffi, M.E., Pamucar, D., **Simic, V.**, Abualigah, L. (2024). Hybrid Genetic and Penguin Search Optimization Algorithm (GA-PSEO) for Efficient Flow Shop Scheduling Solutions. *Facta Universitatis: Series Mechanical Engineering*, 22(1), 77-100. ISSN 0354-2025 (IF 2023=10,1; Engineering, Mechanical 3/180; **M21a**) <https://doi.org/10.22190/FUME230615028M>.
 - 14.28. Kara, K., Yalçın, G. C., Acar, A. Z., **Simic, V.**, Konya, S., Pamucar, D. (2024). The MEREC-AROMAN Method for Determining Sustainable Competitiveness Levels: A Case Study for Turkey. *Socio-Economic Planning Sciences*, 91, 101762. ISSN 0038-0121 (IF 2023=6,2; Economics 32/597; **M21a**) <https://doi.org/10.1016/j.seps.2023.101762>.
 - 14.29. Pamucar, D., **Simic, V.**, Görçün, Ö.F., Küçükönder, H. (2024). Selection of the best Big Data platform using COBRAC-ARTASI methodology with adaptive standardized intervals. *Expert Systems with Applications*, 239, 122312. ISSN 0957-4174 (IF 2023=7,5; Operations Research & Management Science 6/106; **M21a**) <https://doi.org/10.1016/j.eswa.2023.122312>.
 - 14.30. Aytekin, A., Korucuk, S., Bedirhanoglu, S.B., **Simic, V.** (2024). Selecting the Ideal Sustainable Green Strategy for Logistics Companies Using a T-spherical Fuzzy-based Methodology. *Engineering Applications of Artificial Intelligence*, 127(B), 107347. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107347>.
 - 14.31. Pamucar, D., Lazarević, D., Dobrodolac, M., **Simic, V.**, Görçün, Ö.F. (2024). Prioritization of crowdsourcing models for last-mile delivery using fuzzy Sugeno–Weber framework. *Engineering Applications of Artificial Intelligence*, 128, 107414. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107414>.

- 14.32. Ala, A., Goli, A., Mirjalili, S., **Simic, V.** (2024). A fuzzy multi-objective optimization model for sustainable healthcare supply chain network design. *Applied Soft Computing*, 150, 111012. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2023.111012>.
- 14.33. Kara, K., Yalçın, G. C., **Simic, V.**, Önden, I., Edinsel, S., Bacanin, N. (2024). A Single-valued Neutrosophic-based Methodology for Selecting Warehouse Management Software in Sustainable Logistics Systems. *Engineering Applications of Artificial Intelligence*, 129, 107626. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107626>.
- 14.34. Jana, C., **Simic, V.**, Pal, M., Sarkar, B., Pamucar, D. (2024). Hybrid multi-criteria decision-making method with a bipolar fuzzy approach and its applications to economic condition analysis. *Engineering Applications of Artificial Intelligence*, 132, 107837. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107837>.
- 14.35. Bošković, S., Jovčić, S., **Simic, V.**, Švadlenka, L., Dobrodolac, M., Bacanin, N. (2024). A New Criteria Importance Assessment (CIMAS) Method in Multi-Criteria Group Decision-Making: Criteria Evaluation for Supplier Selection. *Facta Universitatis-Series Mechanical Engineering*. ISSN 0354-2025 (IF 2023=10,1; Engineering, Mechanical 3/180; **M21a**) <https://doi.org/10.22190/FUME230730050B>.
- 14.36. Elomiya, A., Křupka, J., Jovčić, S., **Simic, V.** (2024). Enhanced Prediction of Parking Occupancy through Fusion of Adaptive Neuro-Fuzzy Inference System and Deep Learning Models. *Engineering Applications of Artificial Intelligence*, 129, 107670. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107670>.
- 14.37. Kara, K., Yalçın, G. C., **Simic, V.**, Polat, M., Pamucar, D. (2024). An integrated neutrosophic Schweizer-Sklar-based model for evaluating economic activities in organized industrial zones. *Engineering Applications of Artificial Intelligence*, 130, 107722. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107722>.
- 14.38. Modak, N.K., Senapati, T., **Simic, V.**, Pamucar, D., Saha, A., Cárdenas-Barrón, L.E. (2024). Managing a Sustainable Dual-channel Supply Chain for Fresh Agricultural Products using Blockchain Technology. *Expert Systems with Applications*, 244, 122929. ISSN 0957-4174 (IF 2023=7,5; Operations Research & Management Science 6/106; **M21a**) <https://doi.org/10.1016/j.eswa.2023.122929>.
- 14.39. Kara, K., Yalçın, G. C., **Simic, V.**, Gürol, P., Pamucar, D. (2024). Vehicle Routing Software Selection for Last Mile Delivery Companies using Fermatean Fuzzy-based Model. *Engineering Applications of Artificial Intelligence*, 131, 107813. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2023.107813>.
- 14.40. Mishra, A.R., Rani, P., Pamucar, D., **Simic, V.** (2024). Evaluation and Prioritization of Sustainable Enterprise Resource Planning in SMEs Using q-Rung Orthopair Fuzzy Rough Set-Based Decision Support Model. *IEEE Transactions on Fuzzy Systems*, 32(5), 3260-3273. ISSN 1063-6706 (IF 2023=10,7; Computer Science, Artificial Intelligence 9/197; **M21a**) <https://doi.org/10.1109/TFUZZ.2024.3374799>.
- 14.41. Ala, A., **Simic, V.**, Pamucar, D., Bacanin, N. (2024). Enhancing patient information performance in internet of things-based smart healthcare system: Hybrid artificial intelligence and optimization approaches. *Engineering Applications of Artificial Intelligence*, 131, 107889. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.107889>.
- 14.42. Farid, H.M.A., Dabic-Miletic, S., Riaz, M., **Simic, V.**, Pamucar, D. (2024). Prioritization of sustainable approaches for smart waste management of automotive fuel cells of road freight vehicles using the q-rung orthopair fuzzy CRITIC-EDAS method. *Information Sciences*, 661, 120162. ISSN 0020-0255 (IF 2022=8,1; Computer Science, Information Systems 13/158; **M21a**) <https://doi.org/10.1016/j.ins.2024.120162>.
- 14.43. Kara, K., Yalçın, G. C., **Simic, V.**, Baysal, Z., Pamucar, D. (2024). The alternative ranking using two-step logarithmic normalization method for benchmarking the supply chain performance of countries. *Socio-Economic Planning Sciences*, 92, 101822. ISSN 0038-0121 (IF 2023=6,2; Economics 32/597; **M21a**) <https://doi.org/10.1016/j.seps.2024.101822>.
- 14.44. Ala, A., **Simic, V.**, Bacanin, N., Tirkolaee E.B. (2024). Blood Supply Chain Network Design with Lateral Freight: A Robust Possibilistic Optimization Model. *Engineering Applications of Artificial Intelligence*, 133(A), 108053. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108053>.
- 14.45. Kara, K., Yalçın, G. C., Çetinkaya, A., **Simic, V.**, Pamucar, D. (2024). A Single-valued Neutrosophic CIMAS-CRITIC-RBNAR Decision Support Model for the Financial Performance Analysis: A Study of Technology Companies. *Socio-Economic Planning Sciences*, 92, 101851. ISSN 0038-0121 (IF 2023=6,2; Economics 32/597; **M21a**) <https://doi.org/10.1016/j.seps.2024.101851>.
- 14.46. Kang, D., Sandra, M., Narayanamoorthy, S., Suvitha, K., Pamucar, D., **Simic, V.** (2024). An enhanced decision making model for industrial robotic selection using three factors: Positive, abstained, and negative grades of membership. *Applied Soft Computing*, 150, 111012. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111447>.
- 14.47. Jan, N., Gwak, J., Deveci, M., **Simic, V.**, Antucheviciene, J. (2024). Mathematical Analysis of Big Data Analytics under Bipolar Complex Fuzzy Soft Information. *Applied Soft Computing*, 157, 111481. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111481>.

- 14.48. Tirkolaee, E.B., **Simic, V.**, Ghobakhloo, M., Foroughi, B., Asadi, S., Iranmanesh, M. (2024). Integrated design of a sustainable waste management system with co-modal transportation network: A robust bi-level decision support system. *Journal of Cleaner Production*, 449, 141760. ISSN 0959-6526 (IF 2023=**9,7**; Environmental Sciences 24/358; **M21a**) <https://doi.org/10.1016/j.jclepro.2024.141760>.
- 14.49. Amirteimoori, A., Tirkolaee, E.B., Amirteimoori, A., Khakbaz, A., **Simic, V.** (2024). A novel parallel heuristic method to design a sustainable medical waste management system. *Journal of Cleaner Production*, 452, 141897. ISSN 0959-6526 (IF 2023=**9,7**; Environmental Sciences 24/358; **M21a**) <https://doi.org/10.1016/j.jclepro.2024.141897>.
- 14.50. Aytakin, A., Bozkurt, E., Orakçı, E., Uysal, M., **Simic, V.**, Korucuk, S., Pamucar, D. (2024). A Bipolar Neutrosophic Combined Compromise Solution-based Hybrid Model for Identifying Blockchain Application Barriers and Benchmarking Consensus Algorithms. *Engineering Applications of Artificial Intelligence*, 133(D), 108343. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108343>.
- 14.51. Bacanin, N., Perisic, M., Jovanovic, G., Damaševičius, R., Stanisic, S., **Simic, V.**, Zivkovic, M., Stojic, A. (2024). The explainable potential of coupling hybridized metaheuristics, XGBoost, and SHAP in revealing toluene behavior in the atmosphere. *Science of the Total Environment*, 929, 172195. ISSN 0048-9697 (IF 2023=**8,2**; Environmental Sciences 31/358; **M21a**) <https://doi.org/10.1016/j.scitotenv.2024.172195>.
- 14.52. Elomiya, A., Křupka, J., Jovčić, S., **Simic, V.**, Švadlenka, L., Pamucar, D. (2024). A hybrid suitability mapping model integrating GIS, machine learning, and multi-criteria decision analytics for optimizing service quality of electric vehicle charging stations. *Sustainable Cities and Society*, 106, 105397. ISSN 2210-6707 (IF 2023=**10,5**; Construction & Building Technology 3/91; **M21a**) <https://doi.org/10.1016/j.scs.2024.105397>.
- 14.53. Önden, A., Kara, K., Önden, İ., Yalçın, G.C., **Simic, V.**, Pamucar, D. (2024). Exploring the Adoption of the Metaverse and Chat Generative Pre-trained Transformer: A Single-valued Neutrosophic Dombi Bonferroni-based Method for the Selection of Software Development Strategies. *Engineering Applications of Artificial Intelligence*, 133(D), 108378. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108378>.
- 14.54. Jovanovic, L., Bacanin, N., **Simic, V.**, Pamucar, D., Zivkovic, M. (2024). Audio analysis speeding detection techniques based on metaheuristic-optimized machine learning models. *Engineering Applications of Artificial Intelligence*, 133(E), 108463. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108463>.
- 14.55. Mishra, A.R., Rani, P., Pamucar, D., Alrasheedi, A.F., **Simic, V.** (2024). An integrated picture fuzzy standard deviation and pivot pairwise assessment method for assessing the drivers of digital transformation in higher education institutions. *Engineering Applications of Artificial Intelligence*, 133(F), 108508. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108508>.
- 14.56. Zeb, A., Ahmad, W., Asif, M., **Simic, V.**, Senapati, T., Hou, M. (2024). Optimizing Decision-making in Electric Power System Selection: A Generalized Approach Based on Hamacher Aggregation Operators for q-rung Orthopair Fuzzy Soft Sets. *Applied Energy*, 367, 123405. ISSN 2376-5992 (IF 2023=**10,1**; Engineering, Chemical 11/170; **M21a**) <https://doi.org/10.1016/j.apenergy.2024.123405>.
- 14.57. Kara, K., Yalçın, G.C., Akagün Ergin, E., **Simic, V.**, Pamucar, D. (2024). A Neutrosophic WENSLO-ARLON Model for Measuring Sustainable Brand Equity Performance. *Socio-Economic Planning Sciences*, 94, 101918. ISSN 0038-0121 (IF 2023=**6,2**; Economics 32/597; **M21a**) <https://doi.org/10.1016/j.seps.2024.101918>.
- 14.58. Kara, K., Yalçın, G.C., **Simic, V.**, Erbay, M., Pamucar, D. (2024). A Type-2 Neutrosophic Entropy-based Group Decision Analytics Model for Sustainable Aquaculture Engineering. *Engineering Applications of Artificial Intelligence*, 134, 108615. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108615>.
- 14.59. Görçün, Ö.F., Mishra, A.R., Aytakin, A., **Simic, V.**, Korucuk, S. (2024). Evaluation of Industry 4.0 Strategies for Digital Transformation in the Automotive Manufacturing Industry using an Integrated Fuzzy Decision-making Model. *Journal of Manufacturing Systems*, 74, 922-948. ISSN 0278-6125 (IF 2023=**12,2**; Operations Research & Management Science 1/106; **M21a**) <https://doi.org/10.1016/j.jmsy.2024.05.005>.
- 14.60. Abbasi, S.N., Ashraf, S., Akram, M., Jana, C., **Simic, V.**, Pamucar, D. (2024). A Pythagorean fuzzy $\tilde{Z}$ -number-based neutrality aggregation model for AI-enabled energy efficiency management. *Applied Soft Computing*, 161, 111753. ISSN 1568-4946 (IF 2023=**7,2**; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111753>.
- 14.61. Suvitha, K., Narayanamoorthy, S., Sandra, M., Pamucar, D., **Simic, V.**, Kang, D. (2024). Evaluation of Extracting Biomass Energy using a Strategic Decision Support System. *Applied Soft Computing*, 161, 111766. ISSN 1568-4946 (IF 2023=**7,2**; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111766>.
- 14.62. Saha, A., Görçün, Ö.F., Pamucar, D., Arya, L., **Simic, V.** (2024). Evaluation of shared micro-mobility systems for sustainable cities by using a consensus-based Fermatean fuzzy multiple objective optimization and full multiplicative form. *Engineering Applications of Artificial Intelligence*, 134, 108662. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108662>.
- 14.63. Kara, K., Yalçın, G.C., **Simic, V.**, Yıldırım, A.T., Pamucar, D., Siarry, P. (2024). A Spherical Fuzzy-based DIBR II-AROMAN Model for Sustainability Performance Benchmarking of Wind Energy Power Plants. *Expert Systems*

- with Applications, 253, 124300. ISSN 0957-4174 (IF 2023=7,5; Operations Research & Management Science 6/106; **M21a**) <https://doi.org/10.1016/j.eswa.2024.124300>.
- 14.64. Kara, K., Yalçın, G.C., **Simic, V.**, Korkuç, Ç., Çiçek, İ., Afacan, E., Pamucar, D. (2024). An Interval-valued Spherical Fuzzy CIMAS-WISP Group Decision-analytic Model for Blockchain Platform Selection in Digital Projects. *Applied Soft Computing*, 162, 111810. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111810>.
 - 14.65. Zeb, A., Ahmad, W., Asif, M., Senapati, T., **Simic, V.**, Hou, M. (2024). A decision analytics approach for sustainable urbanization using q-rung orthopair fuzzy soft set-based Aczel–Alsina aggregation operators. *Socio-Economic Planning Sciences*, 95, 101949. ISSN 0038-0121 (IF 2023=6,2; Economics 32/597; **M21a**) <https://doi.org/10.1016/j.seps.2024.101949>.
 - 14.66. Kang, D., Suvitha, K., Sandra, M., Pamucar, D., **Simic, V.**, Samayan Narayanamoorthy, S. (2024). Picture-Hesitant Fuzzy-based Dual-Normalized Multiple Aggregations for Material Selection in a Lift-based Converter. *Facta Universitatis-Series Mechanical Engineering*. ISSN 0354-2025 (IF 2023=10,1; Engineering, Mechanical 3/180; **M21a**) <https://doi.org/10.22190/FUME240213030K>.
 - 14.67. Farid, H.M.A., Riaz, M., Kausar, R., **Simic, V.** (2024). Assessment of Environment-conscious Propulsion Technologies for Road Freight Distribution based on T-spherical Fuzzy Schweizer-Sklar Power Operators. *Information Sciences*, 676, 120819. ISSN 0020-0255 (IF 2022=8,1; Computer Science, Information Systems 13/158; **M21a**) <https://doi.org/10.1016/j.ins.2024.120819>.
 - 14.68. Saqib, M., Ashraf, S., Farid, H.M.A., **Simic, V.**, Kousar, M., Tirkolae, E.B. (2024). Benchmarking of Industrial Wastewater Treatment Processes using a Complex Probabilistic Hesitant Fuzzy Soft Schweizer-Sklar Prioritized-based Framework. *Applied Soft Computing*, 162, 111780. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111780>.
 - 14.69. Kara, K., Yalçın, G.C., Kaygısız, E.G., **Simic, V.**, Örnek, A.Ş., Pamucar, D. (2024). A Picture Fuzzy CIMAS-ARTASI Model for Website Performance Analysis in Human Resource Management. *Applied Soft Computing*, 162, 111826. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111826>.
 - 14.70. Rong, Y., Yu, L., Liu, Y., **Simic, V.**, Pamucar, D., Garg, H. (2024). A novel failure mode and effect analysis model based on extended interval-valued q-rung orthopair fuzzy approach for risk analysis. *Engineering Applications of Artificial Intelligence*, 136(A), 108892. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108892>.
 - 14.71. Palanikumar, M., Jana, C., Hezam, I., Foul, A., **Simic, V.**, Pamucar, D. (2024). Multiple Attribute Decision-Making Model for Artificially Intelligent Last-Mile Delivery Robots Selection in Neutrosophic Square Root Environment. *Engineering Applications of Artificial Intelligence*, 136(A), 108878. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.108878>.
 - 14.72. Thilagasree, C.S., Jayakumar, T., Suvitha, K., Sandra, M., Pamucar, D., **Simic, V.**, Jeon, J. (2024). Analysis of municipal solid waste as a source of energy production using fuzzy decision system. *Applied Soft Computing*, 163, 111917. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111917>.
 - 14.73. Bošković, S., Švadlenka, L., Jovčić, S., **Simic, V.**, Dobrodolac, M., Elomiya, A. (2024). Sustainable Propulsion Technology Selection in Penultimate Mile Delivery using the FullEX-AROMAN Method. *Socio-Economic Planning Sciences*, 95, 102013. ISSN 0038-0121 (IF 2023=6,2; Economics 32/597; **M21a**) <https://doi.org/10.1016/j.seps.2024.102013>.
 - 14.74. Al-Gerafi, M.A.M., Goswami, S.S., Sahoo, S.K., Kumar, R., **Simic, V.**, Nebojsa Bacanin, N., Naveed, Q.N.H., Lasisi, A. (2024). Promoting Inclusivity in Education amid the Post-COVID-19 Challenges: An Interval-valued Fuzzy Model for Pedagogy Method Selection. *The International Journal of Management Education*, 22(3), 101018. ISSN 0038-0121 (IF 2023=6; Education & Educational Research 8/756; **M21a**) <https://doi.org/10.1016/j.ijme.2024.101018>.
 - 14.75. Kumar, R., Althaqafi, E., Patro, S.G.K., **Simic, V.**, Babbar, A., Pamucar, D., Singh, S.K., Verma, A. (2024). Machine and Deep Learning Methods for Concrete Strength Prediction: A Bibliometric and Content Analysis Review of Research Trends and Future Directions. *Applied Soft Computing*, 164, 111956. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.111956>.
 - 14.76. Hussain, A., Ullah, K., Pamucar, D., **Simic, V.** (2024). Intuitionistic Fuzzy Sugeno-Weber Decision Framework for Sustainable Digital Security Assessment. *Engineering Applications of Artificial Intelligence*, 137(A), 109085. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109085>.
 - 14.77. Rong, Y., Yu, L., Liu, Y., **Simic, V.**, Pamucar, D. (2024). A pharmaceutical cold-chain logistics service quality model using a q-rung orthopair fuzzy framework with distance measure. *Engineering Applications of Artificial Intelligence*, 136(B), 109019. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109019>.
 - 14.78. Chyad, M., Bahaa, B., Zaidan, A.A., Pilehkouhi, H., Aalaa, R., Qahtan, S., Alsattar, H.A., Pamucar, D., **Simic, V.** (2024). Exploring Adversarial Deep Learning for Fusion in Multi-Color Channel Skin Detection Applications. *Information Fusion*, 114, 102632. ISSN 1566-2535 (IF 2023=14,7; Computer Science, Artificial Intelligence 4/197; **M21a**) <https://doi.org/10.1016/j.inffus.2024.102632>.

- 14.79. Zhang, Z., Yao, W., Li, F., Yu, J., **Simic, V.**, Yin, X. (2024). A Graph Neural Network-based Teammate Recommendation Model for Knowledge-intensive Crowdsourcing. *Engineering Applications of Artificial Intelligence*, 137(A), 109151. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109151>.
- 14.80. Albahri, O., Alamoodi, A., Pamucar, D., **Simic, V.**, Chen, J., Mahmoud, M.A., Albahri, A., Shara, I.M. (2024). Selection of smartphone-based mobile applications for obesity management using an interval neutrosophic vague decision-making framework. *Engineering Applications of Artificial Intelligence*, 137(B), 109191. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109191>.
- 14.81. Talal, M., Tan, M.L.P., Pamucar, D., Delen, D., Pedrycz, W., Simic, V. (2024). Evaluation and Benchmarking of Research-Based Microgrid Systems using FWZIC-VIKOR Approach for Sustainable Energy Management. *Applied Soft Computing*, 164, 111956. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.112132>.
- 14.82. Pamucar, D., **Simic, V.**, Dabic-Miletic, S., Aws Alaa Zaidan, A.A., Nataša Petrović, N., Narayanamoorthy, S. (2024). Sustainable Management of Polyethylene Terephthalate Waste Flow using a Fuzzy Frank Weighted Assessment Model. *Engineering Applications of Artificial Intelligence*, 138(A), 109254. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109254>.
- 14.83. Ashraf, S., Iqbal, W., Hameed, M.S., **Simic, V.**, Bacanin, N. (2024). An Enhanced CRADIS Decision Model for Optimizing Radioactive Waste Reduction through Transmutations based on Disc Spherical Fuzzy Information. *Applied Soft Computing*, 167(A), 112289. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.112289>.
- 14.84. Moslem, S., Campisi, T., Ahmad Al-Rashid, M.A., **Simic, V.**, Esztergár-Kiss, D., Pilla, F. (2024). Greening Urban Mobility: Assessing Environmental and Functional Characteristics of Bicycle Infrastructure in the Post-Pandemic Era. *Habitat International*, 153, 103200. ISSN 0197-3975 (IF 2023=6,5; Urban Studies 4/77; **M21a**) <https://doi.org/10.1016/j.habitatint.2024.103200>.
- 14.85. Kara, K., Yalçın, G.C., Gürol, P., **Simic, V.**, Pamucar, D. (2024). Enhancing Decision Support System for Finished Vehicle Logistics Service Provider Selection through a Single-valued Neutrosophic Dombi Bonferroni-based Model. *Engineering Applications of Artificial Intelligence*, 138(B), 109441. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 12/180; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109441>.
- 14.86. Tarafdar, A., Kanika, Shaikh, A., Majumder, P., Pamucar, D., **Simic, V.**, Bera, U.K. (2024). Prediction of eco sustainability component using fuzzy Z numbers based ratio analysis and interval type 3 fuzzy logic system. *Journal of Cleaner Production*, 481, 144125. ISSN 0959-6526 (IF 2023=9,8; Environmental Sciences 24/358; **M21a**) <https://doi.org/10.1016/j.jclepro.2024.144125>.
- 14.87. Elomiya, A., Krupka, J., **Simic, V.**, Švadlenka, L., Průša, P., Jovčić, S. (2024). An advanced spatial decision model for strategic placement of off-site hydrogen refueling stations in urban areas. *eTransportation*, 22, 100375. ISSN 2590-1168 (IF 2023=15; Transportation Science & Technology 1/72; **M21a**) <https://doi.org/10.1016/j.etrans.2024.100375>.
- 14.88. Mahmoodirad, A., Pamucar, D., Niroomand, S., **Simic, V.** (2025). Data envelopment analysis based performance evaluation of hospitals – Implementation of novel picture fuzzy BCC model. *Expert Systems with Applications*, 263, 125775. ISSN 0957-4174 (IF 2023=7,5; Operations Research & Management Science 6/106; **M21a**) <https://doi.org/10.1016/j.eswa.2024.125775>.
- 14.89. Sandra, M., Narayanamoorthy, S., Suviha, K., Pamucar, D., **Simic, V.**, Kang, D. (2025). An insightful multicriteria model for the selection of drilling technique for heat extraction from geothermal reservoirs using a fuzzy-rough approach. *Information Sciences*, 686, 121353. ISSN 0020-0255 (IF 2022=8,1; Computer Science, Information Systems 13/158; **M21a**) <https://doi.org/10.1016/j.ins.2024.121353>.
- 14.90. Talal, M., Gerfan, S., Qays, R., Pamucar, D., Delen, D., Pedrycz, W., Alamleh, A., Alamoodi, A., Zaidan, B.B., **Simic, V.** (2025). A Comprehensive Systematic Review on Machine Learning Application in the 5G-RAN Architecture: Issues, Challenges, and Future Directions. *Journal of Network and Computer Applications*, 233, 104041. ISSN 1084-8045 (IF 2023=7,7; Computer Science, Software Engineering 6/131; **M21a**) <https://doi.org/10.1016/j.jnca.2024.104041>.
- 14.91. Jovanovic, A., Jovanovic, L., Zivkovic, M., Bacanin, N., **Simic, V.**, Pamucar, D., Antonijevic, M. (2025). Particle swarm optimization tuned multi-headed long short-term memory networks approach for fuel prices forecasting. *Journal of Network and Computer Applications*, 233, 104048. ISSN 1084-8045 (IF 2023=7,7; Computer Science, Software Engineering 6/132; **M21a**) <https://doi.org/10.1016/j.jnca.2024.104048>.
- 14.92. Ashraf, S., Naeem, M., Iqbal, W., Farid, H.M.A., Shakeel, H.M., **Simic, V.**, Tirkolaee, E.B. (2025). Selection of Internet of Things-enabled sustainable real-time monitoring strategies for manufacturing processes using a disc spherical fuzzy Schweizer–Sklar aggregation model. *Engineering Applications of Artificial Intelligence*, 139(B), 109607. ISSN 0952-1976 (IF 2023=7,5; Engineering, Multidisciplinary 5/181; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109607>.
- 14.93. Pragathi, S., Narayanamoorthy, S., Dhivya, S., Saraswathy, R., **Simic, V.**, Pamucar, D., Kang, D. (2025). A systematic clinical healthcare model for assessing post-pandemic recovery in heart diagnosis. *Applied Soft Computing*, 168, 112407. ISSN 1568-4946 (IF 2023=7,2; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2024.112407>.
- 14.94. Rani, P., Mishra, A.R., Alshamrani, A.M., Alrasheedi, A.F., Atanasković, P., **Simic, V.** (2025). Intuitionistic Fuzzy Distance Measure-based Approach for Adopting the Blockchain Technology in the Logistics Industry. *Facta*

- Universitatis-Series Mechanical Engineering*. ISSN 0354-2025 (IF 2023=**10,1**; Engineering, Mechanical 3/183; **M21a**) <https://doi.org/10.22190/FUME240820051R>.
- 14.95. Mishra, A.R., Rani, P., Alshamrani, A.M., Alrasheedi, A.F., **Simic, V.** (2025). Sustainable benchmarking of e-scooter micromobility systems: A hybrid q-rung orthopair fuzzy score function and distance measure-based ranking approach. *Engineering Applications of Artificial Intelligence*, 143, 109934. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 5/181; **M21a**) <https://doi.org/10.1016/j.engappai.2024.109934>.
 - 14.96. Saif, Z., Ashraf, S., Hameed, M.S., Kousar, M., **Simic, V.**, Aydin, N. (2025). AI-driven predictive maintenance using an enhanced TOPSIS approach for complex fuzzy information with Z-numbers. *Applied Soft Computing*, 171, 112759. ISSN 1568-4946 (IF 2023=**7,2**; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2025.112759>.
 - 14.97. Farid, H.M.A., Riaz, M., Siarry, P., **Simic, V.** (2025). Enhanced Decision-Making for Urban Climate Change Transportation Policies using q-Rung Orthopair Fuzzy Rough Fairly Information Aggregation. *Information Sciences*, 702, 121900. ISSN 0020-0255 (IF 2022=**8,1**; Computer Science, Information Systems 13/158; **M21a**) <https://doi.org/10.1016/j.ins.2025.121900>.
 - 14.98. Yalçın, G.C., Kara, K., Edinsel, S., Kaygısız, E.G., **Simic, V.**, Pamucar, D. (2025). Authentication system selection for performance appraisal in human resource management using an intuitionistic fuzzy CIMAS-ARLON model. *Applied Soft Computing*, 171, 112786. ISSN 1568-4946 (IF 2023=**7,2**; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2025.112786>.
 - 14.99. Vahabzadeh, S., Haghshenas, S.S., Ghouschi, S.J., Guido, G., **Simic, V.**, Marinkovic, D. (2025). A NEW FRAMEWORK FOR RISK ASSESSMENT OF ROAD TRANSPORTATION OF HAZARDOUS SUBSTANCES. *Facta Universitatis-Series Mechanical Engineering*. ISSN 0354-2025 (IF 2023=**10,1**; Engineering, Mechanical 3/183; **M21a**) <https://doi.org/10.22190/FUME240801007V>.
 - 14.100. Anitha, T., Aanjankumar, S., Dhanaraj, R.K., Pamucar, D., **Simic, V.** (2025). A deep Bi-CapsNet for analysing ECG signals to classify cardiac arrhythmia. *Computers in Biology and Medicine*, 189, 109924. ISSN 0010-4825 (IF 2023=**7,0**; Mathematical & Computational Biology 2/66; **M21a**) <https://doi.org/10.1016/j.compbimed.2025.109924>.
 - 14.101. Pamučar, D., Dobrodolac, M., **Simic, V.**, Lazarević, D., Görçün, Ö.F. (2025). An interval rough improved ordinal priority approach-based decision support system to redesign postal and logistics networks. *Technology in Society*, 81, 102845. ISSN 0160-791X (IF 2023=**10,1**; Social Sciences, Interdisciplinary **2/267**; **M21a**) <https://doi.org/10.1016/j.techsoc.2025.102845>.
 - 14.102. Babaçoğlu, S., Yalçın, G.C., Kara, K., Turen, U., **Simic, V.**, Polat, M., Pamucar, D. (2025). Promoting benchmarking and best practices in education: An interval-valued spherical fuzzy model for assessing sustainable digital transformation maturity. *Technology in Society*, 81, 102850. ISSN 0160-791X (IF 2023=**10,1**; Social Sciences, Interdisciplinary **2/267**; **M21a**) <https://doi.org/10.1016/j.techsoc.2025.102850>.
 - 14.103. Aytekin, A., Küçük, H.Ö., Aytekin, M., **Simic, V.**, Pamucar, D. (2025). Evaluation of international market entry strategies for mineral oil companies using a neutrosophic SWARA-CRADIS methodology. *Applied Soft Computing*, 174, 112976. ISSN 1568-4946 (IF 2023=**7,2**; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2025.112976>.
 - 14.104. Daga, S., Yadav, K., Singh, D., Pamucar, D., **Simic, V.** (2025). Unveiling Greenwashing: Analyzing the interaction of factors discouraging ESG Greenwashing through TISM and MICMAC. *Journal of Environmental Management*, 380, 124850. ISSN 0301-4797 (IF 2023=**8**; Environmental Sciences 35/358; **M21a**) <https://doi.org/10.1016/j.jenvman.2025.124850>.
 - 14.105. Tasic, A., Jovanovic, L., Bacanin, N., Zivkovic, M., **Simic, V.**, Popovic, M., Antonijevic, M. (2025). Towards sustainable societies: Convolutional neural networks optimized by modified crayfish optimization algorithm aided by AdaBoost and XGBoost for waste classification tasks. *Applied Soft Computing*, 175, 113086. ISSN 1568-4946 (IF 2023=**7,2**; Computer Science, Interdisciplinary Applications 15/169; **M21a**) <https://doi.org/10.1016/j.asoc.2025.113086>.
 - 14.106. Görçün, Ö.F., Pamucar, D., Dinçer, H., Yüksel, S., İyigün, I., **Simic, V.** (2025). Strategic tour operator selection in the tourism sector using a quantum picture fuzzy rough set-based multi-criteria decision-making approach. *Engineering Applications of Artificial Intelligence*, 153, 110793. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 5/181; **M21a**) <https://doi.org/10.1016/j.engappai.2025.110793>.
 - 14.107. Razavian, B., Tirkolaei, E.B., **Simic, V.**, Ali, S.S., Görçün, Ö.F. (2025). Blockchain-enabled healthcare supply chain management: Identification and analysis of barriers and solutions based on improved zero-sum hesitant fuzzy game theory. *Engineering Applications of Artificial Intelligence*, 154, 110991. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 5/181; **M21a**) <https://doi.org/10.1016/j.engappai.2025.110991>.
 - 14.108. Görçün, Ö.F., Özçalıcı, M., Gürlü, H.E., Pamucar, D., **Simic, V.** (2025). Promoting sustainable urban mobility: An integrated fuzzy decision-making model for assessing autonomous bus alternatives. *Engineering Applications of Artificial Intelligence*, 156(A), 111034. ISSN 0952-1976 (IF 2023=**7,5**; Engineering, Multidisciplinary 5/181; **M21a**) <https://doi.org/10.1016/j.engappai.2025.111034>.
 - 14.109. Farid, H.M.A., Dabic-Miletic, S., Jameel, T., **Simic, V.**, Riaz, M., Pamucar, D. (2025). Promoting Sustainable Logistics in the Electronics Industry: Circular Intuitionistic Fuzzy Framework for Evaluating Smart Robotics Technologies. *Expert Systems with Applications*, 287, 128031. ISSN 0957-4174 (IF 2023=**7,5**; Operations Research & Management Science 6/106; **M21a**) <https://doi.org/10.1016/j.eswa.2025.128031>.

- 14.110. Haghshenas, S.S., Seraji, M.H.M., Haghshenas, S.S., Guido, G., Astarita, V., **Simic, V.**, Marinkovic, D. (2025). ENHANCING SUPPORT VECTOR MACHINE PERFORMANCE IN FORECASTING THE NUMBER OF VEHICLES INVOLVED IN TRAFFIC CRASHES VIA METAHEURISTIC OPTIMIZATION ALGORITHMS. *Facta Universitatis-Series Mechanical Engineering*. ISSN 0354-2025 (IF 2023=**10,1**; Engineering, Mechanical 3/183; **M21a**) <https://doi.org/10.22190/FUME241128018H>.
- Радови објављени у врхунским међународним часописима (M21)**
- 14.111. Švadlenka, L., **Simić, V.**, Dobrodolac, M., Lazarević, D., & Todorović, G. (2020). Picture Fuzzy Decision-Making Approach for Sustainable Last-Mile Delivery. *IEEE Access*, 8, 209393-209414. ISSN 2169-3536 (IF 2019=**3,745**; Computer Science, Information Systems 35/156; **M21**) <https://doi.org/10.1109/ACCESS.2020.3039010>.
- 14.112. **Simic, V.**, Gokasar, I., Deveci, M., & Karakurt, A. (2022). An integrated CRITIC and MABAC based type-2 neutrosophic model for public transportation pricing system selection. *Socio-Economic Planning Sciences*, 80, 101157. ISSN 2210-6707 (IF 2020=**4,923**; Economics 60/380; **M21**) <https://doi.org/10.1016/j.seps.2021.101157>.
- 14.113. Deveci, M., Pamucar, D., Gokasar, I., Delen, D., Wu, Q., **Simic, V.** (2022). An analytics approach to decision alternative prioritization for zero-emission zone logistics. *Journal of Business Research*, 146, 554-570. ISSN 0148-2963 (IF 2021=**10,969**; Business 17/155; **M21**) <https://doi.org/10.1016/j.jbusres.2022.03.059>.
- 14.114. **Simic, V.**, Ebadi Torkayesh, A., Ijadi Maghsoodi, A. (2023). Locating a disinfection facility for hazardous healthcare waste in the COVID-19 era: a novel approach based on Fermatean fuzzy ITARA-MARCOS and random forest recursive feature elimination algorithm. *Annals of Operations Research*, 328, 1105-1150. ISSN 1932-6203 (IF 2021=**4,820**; Operations Research & Management Science 22/87; **M21**) <https://doi.org/10.1007/s10479-022-04822-0>.
- 14.115. **Simic, V.**, Gokasar, I., Deveci, M., Isik, M. (2023). Fermatean fuzzy group decision-making based CODAS approach for taxation of public transit investments. *IEEE Transactions on Engineering Management*, 70, 12, 4233-4248. ISSN 0018-9391 (IF 2021=**8,702**; Engineering, Industrial 9/50; **M21**) <https://doi.org/10.1109/TEM.2021.3109038>.
- 14.116. Bouraima, M.B., Qiu, Y., Stević, Ž., **Simic, V.** (2023). Assessment of alternative railway systems for sustainable transportation using an integrated IRN SWARA and IRN CoCoSo model. *Socio-Economic Planning Sciences*, 86, 101475. ISSN 0038-0121 (IF 2021=**4,641**; Operations Research & Management Science 24/87; **M21**) <https://doi.org/10.1016/j.seps.2022.101475>.
- 14.117. Paul, T.K., Jana, C., Pal, M., **Simic, V.** (2023). Sustainable Carbon-dioxide Storage Assessment in Geological Media using Modified Pythagorean Fuzzy VIKOR and DEMATEL Approach. *International Journal of Hydrogen Energy*, 48(25), 9474-9497. ISSN 0360-3199 (IF 2021=**7,139**; Chemistry, Physical 43/165; **M21**) <https://doi.org/10.1016/j.ijhydene.2022.12.024>.
- 14.118. Ali, H.M., Sitinjak, C., Said, M.H.M., Hasim, J.Z., Ismail, R., **Simic, V.** (2023). Model predicting social acceptance behavior to implement ELV policy: Exploring the role of knowledge toward ELV policy on social acceptance in Malaysia. *Frontiers in Public Health*, 10, 1093732. ISSN 2296-2565 (IF 2021=**6,461**; Public, Environmental & Occupational Health 39/302; **M21**) <https://doi.org/10.3389/fpubh.2022.1093732>.
- 14.119. Bouraima, M.B., Nyamatari A.T., Stević, Ž., **Simic, V.**, Qiu Y. (2023). An integrated fuzzy MCDM model for prioritizing strategies for successful implementation and operation of the bus rapid transit system. *Annals of Operations Research*. ISSN 0254-5330 (IF 2021=**4,820**; Operations Research & Management Science 22/87; **M21**) <https://doi.org/10.1007/s10479-023-05183-y>.
- 14.120. Saha, A., **Simic, V.**, Dabic-Miletic, S., Senapati, T., Yager, R.R., Deveci, M. (2023). Evaluation of Propulsion Technologies for Sustainable Road Freight Distribution Using a Dual Probabilistic Linguistic Group Decision-Making Approach. *IEEE Transactions on Engineering Management*, 71, 7227-7241. ISSN 0018-9391 (IF 2021=**8,702**; Engineering, Industrial 9/50; **M21**) <https://doi.org/10.1109/TEM.2023.3253300>.
- 14.121. Sitinjak, C., **Simic, V.**, Ismail, R., Bacanin, N., Musselwhite, C. (2023). Barriers to Effective Implementation of End-of-Life Vehicle Management in Indonesia. *Environmental Science and Pollution Research*, 30, 87286-57299. ISSN 1432-7643 (IF 2022=**5,8**; Environmental Sciences 67/274; **M21**) <https://doi.org/10.1007/s11356-023-28554-1>.
- 14.122. Zivkovic, T., Nikolic, B., **Simic, V.**, Pamucar, D., Bacanin, N. (2023). Software defects prediction by metaheuristics tuned extreme gradient boosting and analysis based on Shapley Additive Explanations. *Applied Soft Computing*, 146, 110659. ISSN 1568-4946 (IF 2022=**8,7**; Computer Science, Artificial Intelligence 21/145; **M21**) <https://doi.org/10.1016/j.asoc.2023.110659>.
- 14.123. Jana, C., Dobrodolac, M., **Simic, V.**, Pal, M., Sarkar, B., Stevic, Z. (2023). Evaluation of Sustainable Strategies for Urban Parcel Delivery: Linguistic q-Rung Orthopair Fuzzy Choquet Integral Approach. *Engineering Applications of Artificial Intelligence*, 126(C), 106811. ISSN 0952-1976 (IF 2022=**8**; Computer Science, Artificial Intelligence 25/145; **M21**) <https://doi.org/10.1016/j.engappai.2023.106811>.
- 14.124. Riaz, M., Farid, H.M.A., Razzaq, A., **Simic, V.** (2023). A new approach to sustainable logistic processes with q-rung orthopair fuzzy soft information aggregation. *PeerJ Computer Science*, 9, e1527. ISSN 2376-5992 (IF 2022=**3,8**; Computer Science, Theory & Methods 29/111; **M21**) <https://doi.org/10.7717/peerj-cs.1527>.
- 14.125. Tirkolaei, E.B., Torkayesh, A.E., Tavana, M., Goli, A., **Simic, V.**, Ding, W. (2023). An Integrated Decision Support Framework for Resilient Vaccine Supply Chain Network Design. *Engineering Applications of Artificial Intelligence*, 126(B), 106945. ISSN 0952-1976 (IF 2022=**8**; Computer Science, Artificial Intelligence 25/145; **M21**) <https://doi.org/10.1016/j.engappai.2023.106945>.

- 14.126. Venkatachalam K., Al-onazi, B.B., **Simic, V.**, Tirkolaee E.B., Chiranjibe, J. (2023). DeepFND: An ensemble-based Deep learning approach for the optimization and improvement of Fake News Detection in digital platform. *PeerJ Computer Science*, 9, e1666. ISSN 2376-5992 (IF 2022=**3,8**; Computer Science, Theory & Methods 29/111; **M21**) <https://doi.org/10.7717/peerj-cs.1666>.
- 14.127. Jafarzadeh-Ghoushchi, S., Asghari, M., Mardani, A., **Simic, V.**, Tirkolaee E.B. (2023). Designing an efficient humanitarian supply chain network during an emergency: A scenario-based multi-objective model. *Socio-Economic Planning Sciences*, 90, 101716. ISSN 0038-0121 (IF 2022=**6,1**; Operations Research & Management Science 16/86; **M21**) <https://doi.org/10.1016/j.seps.2023.101716>.
- 14.128. Shukla, P.K., Alqahtani, A., Dwivedi, A., Alqahtani, N., Shukla, P.K., Alsulami, A.A., Pamucar, D., **Simic, V.** (2023). Attaining an IoMT-based health monitoring and prediction: a hybrid hierarchical deep learning model and metaheuristic algorithm. *Neural Computing & Applications*. ISSN 0941-0643 (IF 2023=**4,5**; Computer Science, Artificial Intelligence 52/197; **M21**). <https://doi.org/10.1007/s00521-023-09293-3>.
- 14.129. Yalçın, G. C., Kara, K., Toygar, A., **Simic, V.**, Pamucar, D., Köleoğlu, N. (2023). An intuitionistic fuzzy-based model for performance evaluation of EcoPorts. *Engineering Applications of Artificial Intelligence*, 126(D), 107192. ISSN 0952-1976 (IF 2022=**8**; Computer Science, Artificial Intelligence 25/145; **M21**) <https://doi.org/10.1016/j.engappai.2023.107192>.
- 14.130. Paul, T.K., Jana, C., Pal, M., **Simic, V.** (2023). Multi-attribute Group Decision Making Method Based on Pythagorean Fuzzy Einstein Interactive Power Averaging Approach for Sustainable Cement Industry. *Applied Soft Computing*, 148, 110898. ISSN 1568-4946 (IF 2022=**8,7**; Computer Science, Artificial Intelligence 21/145; **M21**) <https://doi.org/10.1016/j.asoc.2023.110898>.
- 14.131. Todorovic, M., Stanisic, N., Zivkovic, M., Bacanin, N., **Simic, V.**, Tirkolaee, E. B. (2023). Improving audit opinion prediction accuracy using metaheuristics-tuned XGBoost algorithm with interpretable results through SHAP value analysis. *Applied Soft Computing*, 149, 110955. ISSN 1568-4946 (IF 2022=**8,7**; Computer Science, Artificial Intelligence 21/145; **M21**) <https://doi.org/10.1016/j.asoc.2023.110955>.
- 14.132. **Simic, V.**, Ahmad, W., Dikshit, S., Bin-Mohsin, B., Sadim, M., Anjum, M. (2023). Optimizing Material Selection with Fermatean Fuzzy Hybrid Aggregation Operators. *Axioms*, 12(10), 984. ISSN 2075-1680 (IF 2022=**2,0**; Mathematics, Applied 68/268; **M21**) <https://doi.org/10.3390/axioms12100984>.
- 14.133. Pishahang, M., Jovcic, S., Zolfani, H.S., **Simic, V.**, Görçün, Ö.F. (2023). MCDM-Based Wildfire Risk Assessment: A Case Study on the State of Arizona. *Fire*, 6(12), 449. ISSN 2571-6255 (IF 2023=**3**; Forestry 11/89; **M21**) <https://doi.org/10.3390/fire6120449>.
- 14.134. **Simic, V.**, Gokasar, I., Deveci, M., Švadlenka, L. (2024). Mitigating Climate Change Effects of Urban Transportation Using a Type-2 Neutrosophic MEREC-MARCOS Model. *IEEE Transactions on Engineering Management*, 71, 3233-3249. ISSN 0018-9391 (IF 2023=**4,6**; Engineering, Industrial 16/69; **M21**) <https://doi.org/10.1109/TEM.2022.3207375>.
- 14.135. Rong, Y., Yu, L., Liu, Y., **Simic, V.**, Garg, H. (2024). The FMEA model based on LOPCOW-ARAS methods with interval-valued Fermatean fuzzy information for risk assessment of R&D projects in industrial robot offline programming systems. *Computational & Applied Mathematics*, 43, 25. ISSN 1807-0302 (IF 2023=**2,5**; Mathematics, Applied 35/331; **M21**). <https://doi.org/10.1007/s40314-023-02532-2>.
- 14.136. Bacanin, N., **Simic, V.**, Zivkovic, M., Alrasheedi, M., Petrovic, A. (2024). Cloud computing load prediction by decomposition reinforced attention long short-term memory network optimized by modified particle swarm optimization algorithm. *Annals of Operations Research*. ISSN 0254-5330 (IF 2023=**4,4**; Operations Research & Management Science 23/106; **M21**) <https://doi.org/10.1007/s10479-023-05745-0>.
- 14.137. Sitingjak, C., **Simic, V.**, Pamucar, D. (2024). Psychological Factors Shaping Public Acceptance of the Adoption of Autonomous Vehicles in Indonesia. *Journal of Transport & Health*, 34, 101726. ISSN 0941-0643 (IF 2022=**3,2**; Public, Environmental & Occupational Health 104/403; **M21**) <https://doi.org/10.1016/j.jth.2023.101726>.
- 14.138. Farid, H.M.A., Riaz, M., **Simic, V.**, Peng, X. (2024). q-Rung orthopair fuzzy dynamic aggregation operators with time sequence preference for dynamic decision-making. *PeerJ Computer Science*, 10, e1742. ISSN 2376-5992 (IF 2023=**3,5**; Computer Science, Theory & Methods 31/143; **M21**) <https://doi.org/10.7717/peerj-cs.1742>.
- 14.139. Dev, N., Kumar, R., Saha, R.K., Babbar, A., **Simic, V.**, Kumar, R., Bacanin, N. (2024). Performance Evaluation Methodology for Gas Turbine Power Plants using Graph Theory and Combinatorics. *International Journal of Hydrogen Energy*, 57, 1286-1301, ISSN 0360-3199 (IF 2022=**8,1**; Electrochemistry 6/45; **M21**) <https://doi.org/10.1016/j.ijhydene.2024.01.064>.
- 14.140. Sitingjak, C., **Simic, V.**, Ismail, R., Musselwhite, C., Bacanin, N. (2024). Psychometric Components of the Social Acceptance toward End-of-life Vehicles Policy: A Case Study of Indonesia. *Transport Policy*, 148, 206-218, ISSN 0967-070X (IF 2022=**6,3**; Transportation 6/57; **M21**) <https://doi.org/10.1016/j.tranpol.2024.01.019>.
- 14.141. Cuk, A., Bezdan, T., Jovanovic, L., Antonijevic, M., Stankovic, M., **Simic, V.**, Zivkovic, M., Bacanin, N. (2024). Tuning Attention Based Long-short Term Memory Neural Networks for Parkinson's Disease Detection Using Modified Metaheuristics. *Scientific Reports*, 14, 4309. ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 25/134; **M21**) <https://doi.org/10.1038/s41598-024-54680-y>.
- 14.142. Puška, A., Štilić, A., Pamucar, D., **Simic, V.**, Petrović, N. (2024). Optimal selection of healthcare waste treatment devices using fuzzy-rough approach. *Environmental Science and Pollution Research*. ISSN 0944-1344 (IF 2022=**4,3**; Environmental Sciences 67/275; **M21**) <https://doi.org/10.1007/s11356-024-32630-5>.

- 14.143. Sepehri, A., Tirkolaee E.B., **Simic, V.**, Ali, S.S. (2024). Designing a reliable-sustainable supply chain network: Adaptive m-objective ε -constraint method. *Annals of Operations Research*. ISSN 0254-5330 (IF 2023=**4,4**; Operations Research & Management Science 23/106; **M21**) <https://doi.org/10.1007/s10479-024-05961-2>.
- 14.144. Jovanovic, L., Damaševičius, R., Matic, R., Kabiljo, M., **Simic, V.**, Kunjadic, G., Antonijevic, M., Zivkovic, M., Bacanin, B. (2024). Detecting Parkinson's disease from shoe-mounted accelerometer sensors using convolutional neural networks optimized with modified metaheuristics. *PeerJ Computer Science*, 10, e2031. ISSN 2376-5992 (IF 2023=**3,5**; Computer Science, Theory & Methods 31/143; **M21**) <https://doi.org/10.7717/peerj-cs.2031>.
- 14.145. Jovanovic, L., Zivkovic, M., Bacanin, N., Dobrojevic, M., **Simic, V.**, Sadasivuni, K.K., Tirkolaee E.B. (2024). Evaluating the performance of metaheuristic-tuned weight agnostic neural networks for crop yield prediction. *Neural Computing & Applications*, 36, 14727-14756. ISSN 0941-0643 (IF 2023=**4,5**; Computer Science, Artificial Intelligence 52/197; **M21**). <https://doi.org/10.1007/s00521-023-09293-3>.
- 14.146. Korucuk, S., Aytekin, A., Görçün, Ö., **Simic, V.**, Görçün, Ö.F. (2024). Warehouse Site Selection for Humanitarian Relief Organizations using an Interval-valued Fermatean Fuzzy LOPCOW-RAFSI Model. *Computers & Industrial Engineering*, 192, 110160. ISSN 0360-8352 (IF 2023=**6,7**; Computer Science, Interdisciplinary Applications 20/169; **M21**) <https://doi.org/10.1016/j.cie.2024.110160>.
- 14.147. Siab, A., Ali Khan, M.S., Jan, M.A., **Simic, V.**, Bacanin, N., Senapati, T. (2024). Aczel Alsina t-norm and t-conorm-based aggregation operators under linguistic interval-valued intuitionistic fuzzy setting with application. *PeerJ Computer Science*, 10, e1979. ISSN 0306-2619 (IF 2023=**3,5**; Computer Science, Theory & Methods 31/143; **M21**) <https://doi.org/10.7717/peerj-cs.1979>.
- 14.148. Modak, N.M., Sinha, S., Senapati, T., **Simic, V.**, Pamucar, D. (2024). Game theoretical analysis in two-echelon sustainable supply chains to manage and coordinate strategic decisions. *Computers & Industrial Engineering*, 192, 110204. ISSN 0360-8352 (IF 2023=**6,7**; Computer Science, Interdisciplinary Applications 20/169; **M21**) <https://doi.org/10.1016/j.cie.2024.110204>.
- 14.149. Devi, N.S.K., Narayanamoorthy, S., Parthasarathy, T.N., Thilagasree, C.S., **Simic, V.**, Dinger, H., Yüksel, S., Pamucar, D. (2024). An Integrated Bipolar Picture Fuzzy Decision Driven System to Scrutinize Food Waste Treatment Technology through Assorted Factor Analysis. *CMES-Computer Modeling in Engineering & Sciences*, 140(3), 2665-2687. ISSN 1526-1492 (IF 2023=**2,2**; Mathematics, Interdisciplinary Applications 39/135; **M21**) <https://doi.org/10.32604/cmes.2024.050954>.
- 14.150. Gao, K., Liu, T., Rong, Y., **Simic, V.**, Garg, H., Senapati, T. (2024). A Novel BWM-Entropy-COPRAS Group Decision Framework with Spherical Fuzzy Information for Digital Supply Chain Partner Selection. *Complex & Intelligent Systems*, 10, 6983-7008. ISSN 2199-4536 (IF 2023=**5**; Computer Science, Artificial Intelligence 45/197; **M21**) <https://doi.org/10.1007/s40747-024-01500-5>.
- 14.151. Gligoric, Z., Görçün, Ö.F., Gligoric, M., Pamucar, D., **Simic, V.**, Küçükönder, H. (2024). Evaluating the Deep Learning software tools for large-scale enterprises using a novel TODIFFA-MCDM framework. *Journal of King Saud University-Computer and Information Sciences*, 36(5), 102079. ISSN 0038-0121 (IF 2023=**5,2**; Computer Science, Information Systems 40/249; **M21**) <https://doi.org/10.1016/j.jksuci.2024.102079>.
- 14.152. Saha, A., Dabic-Miletic, S., Senapati, T., **Simic, V.**, Pamucar, P., Ala, A., Arya, L. (2024). Fermatean Fuzzy Dombi Generalized Maclaurin Symmetric Mean Operators for Prioritizing Bulk Material Handling Technologies. *Cognitive Computation*, 16, 3096-3121. ISSN 1866-9956 (IF 2023=**4,3**; Neurosciences 76/310; **M21**) <https://doi.org/10.1007/s12559-024-10323-y>.
- 14.153. Radomirovic, B., Bacanin, N., Jovanovic, L., **Simic, V.**, Njegus, A., Pamucar, D., Köppen, M., Zivkovic, M. (2024). Optimizing Long-short Term Memory Neural Networks for Electroencephalogram Anomaly Detection using Variable Neighborhood Search with Dynamic Strategy Change. *Complex & Intelligent Systems*. ISSN 2199-4536 (IF 2023=**5**; Computer Science, Artificial Intelligence 45/197; **M21**) <https://doi.org/10.1007/s40747-024-01592-z>.
- 14.154. Palanikumar, M., Kausar, N., Pamucar, D., **Simic, V.**, Tesgera Tolasa, F. (2024). Various distance between generalized Diophantine fuzzy sets using multiple criteria decision making and their real life applications. *Scientific Reports*, 14, 20073. ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 25/134; **M21**) <https://doi.org/10.1038/s41598-024-70020-6>.
- 14.155. Salehi Amiri, A., Babaei, A., **Simic, V.**, Tirkolaee, E.B. (2024). A variant-informed decision support system for tackling COVID-19: A transfer learning and multi-attribute decision-making approach. *PeerJ Computer Science*, 10, e2321. ISSN 0306-2619 (IF 2023=**3,5**; Computer Science, Theory & Methods 26/109; **M21**) <https://doi.org/10.7717/peerj-cs.2321>.
- 14.156. Dakic, P., Zivkovic, M., Jovanovic, L., Bacanin, N., Antonijevic, M., Kaljevic, J., **Simic V.** (2024). Intrusion Detection using Metaheuristic Optimization within IoT/IIoT Systems and Software of Autonomous Vehicles. *Scientific Reports*, 14, 22884. ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 25/134; **M21**) <https://doi.org/10.1038/s41598-024-73932-5>.
- 14.157. Salb, M., Jovanovic, L., Elsadai, A., Bacanin, N., **Simic, V.**, Pamucar, D., Zivkovic, M. (2024). Cloud Spot Instance Price Forecasting Multi-Headed Models Tuned Using Modified PSO. *Journal of King Saud University - Science*, 36(11), 103473. ISSN 1018-3647 (IF 2023=**3,7**; Multidisciplinary Sciences 26/134; **M21**) <https://doi.org/10.1016/j.jksus.2024.103473>.
- 14.158. Biswas, S., Pamucar, D., **Simic, V.** (2024). Technology adaptation in sugarcane supply chain based on a novel p, q Quasirung Orthopair Fuzzy decision making framework. *Scientific Reports*, 14, 26486. ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 21/72; **M21**) <https://doi.org/10.1038/s41598-024-75528-5>.

- 14.159. Mladenovic, Dj., Antonijevic, M., Jovanovic, L., **Simic, V.**, Zivkovic, M., Bacanin, N., Zivkovic, T., Perisic, J. (2024). Sentiment Classification for Insider Threat Identification using Metaheuristic Optimized Machine Learning Classifiers. *Scientific Reports*, 14(1), 25731 ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 21/72; **M21**) <https://doi.org/10.1038/s41598-024-77240-w>.
- 14.160. Kannan, J., Jayakumar, V., Kausar, N., Pamucar, D., **Simic, V.** (2024). Enhancing decision-making with linear diophantine multi-fuzzy set: application of novel information measures in medical and engineering fields. *Scientific Reports*, 14, 28537. ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 21/72; **M21**) <https://doi.org/10.1038/s41598-024-79725-0>.
- 14.161. Kandasamy, V., **Simic, V.**, Bacanin, N., Pamucar, D. (2025). Optimized Deep Learning Networks for Accurate Identification of Cancer Cells in Bone Marrow. *Neural Networks*, 181, 106822. ISSN 0893-6080 (IF 2023=**6**; Neurosciences 32/310; **M21**) <https://doi.org/10.1016/j.neunet.2024.106822>.
- 14.162. Vimala, J., Surya, AN., Kausar, N., Pamucar, D., **Simic, V.**, Salman, M.A. (2025). Extended PROMETHEE method with (p,q)-rung linear Diophantine fuzzy sets for robot selection problem. *Scientific Reports*, 15, 5290. ISSN 2045-2322 (IF 2023=**3,8**; Multidisciplinary Sciences 21/72; **M21**) <https://doi.org/10.1038/s41598-025-89512-0>.
- 14.163. Yalçın, G.C., Kara, K., Işık, G., **Simic, V.**, Pamucar, D. (2025). Development of a Decision Support System for Performance Measurement of Social Movements. *Cognitive Computation*, 17, 46. ISSN 1866-9956 (IF 2023=**4,3**; Neurosciences 76/310; **M21**) <https://doi.org/10.1007/s12559-024-10385-y>.
- 14.164. Shen, H., **Simic, V.**, Li, S., Pamucar, D. (2025). Polynomial time algorithms to find Pareto optimal schedules of bicriteria lot scheduling problems with splittable jobs on a single parallel-batch machine. *Journal of Computational and Applied Mathematics*, 459, 116380. ISSN 0377-0427 (IF 2023=**2,1**; Mathematics, Applied 53/332; **M21**) <https://doi.org/10.1016/j.cam.2024.116380>.
- 14.165. Chaudhury, S., Saha, A.K., Bhowmik, D., **Simic, V.** (2025). A Pythagorean fuzzy Einstein weighted averaging operator-based MCDM model for the selection of sustainable urban drainage system. *Environment, Development and Sustainability*. ISSN 1387-585X (IF 2023=**4,7**; Environmental Sciences 74/275; **M21**) <https://doi.org/10.1007/s10668-024-05496-3>.
- 14.166. Villoth, J.P., Zivkovic, M., Zivkovic, T., Abdel-salam, M., Hammad, M., Jovanovic, L., **Simic, V.**, Bacanin, N. (2025). Two-tier deep and machine learning approach optimized by adaptive multi-population firefly algorithm for software defects prediction. *Neurocomputing*, 630, 129695. ISSN 0925-2312 (IF 2023=**5,5**; Computer Science, Artificial Intelligence 42/197; **M21**) <https://doi.org/10.1016/j.neucom.2025.129695>.
- 14.167. Zulqarnain, R.N., Siddique, I., Askar, S., Alshamrani, A.M., Pamucar, P., **Simic, V.** (2025). An extended TOPSIS technique based on correlation coefficient for interval-valued q-rung orthopair fuzzy hypersoft set in multi-attribute group decision-making. *Complex & Intelligent Systems*, 11, 262. ISSN 2199-4536 (IF 2023=**5**; Computer Science, Artificial Intelligence 45/197; **M21**) <https://doi.org/10.1007/s40747-025-01838-4>.
- 14.168. Qahtan, S., Mourad, N., Alsattar, H.A., Zaidan, A.A., Zaidan, B.B., Pamucar, D., **Simic, V.**, Ding, W., Yatim, K. (2025). Three-way Decision Approach Based on Utility and Dynamic Localization Transformational Procedures within a Circular q-Rung Orthopair Fuzzy Set for Ranking and Grading Large Language Models. *Cognitive Computation*, 17, 77. ISSN 1866-9956 (IF 2023=**4,3**; Neurosciences 76/310; **M21**) <https://doi.org/10.1007/s12559-025-10432-2>.
- 14.169. Rani, P., Mishra, A.R., Pamucar, D., Alshamrani, A.M., Alrasheedi, A.F., **Simic, V.** (2025). Decision-Making-Based Solar Panel Selection: Sugeno-Weber Operators and Fermatean Fuzzy Distance Measure with AROMAN Methodology. *Cognitive Computation*, 17, 102. ISSN 1866-9956 (IF 2023=**4,3**; Neurosciences 76/310; **M21**) <https://doi.org/10.1007/s12559-025-10456-8>.
- 14.170. Shahab, S., Alazman, I., Dutta, A.K., Anjum, M., **Simic, V.**, Stević, Ž., Alqahtani, N.A. (2025). Promoting Tailored Hotel Recommendations based on Traveller Preferences: A Circular Intuitionistic Fuzzy Decision Support Model. *CMES-Computer Modeling in Engineering & Sciences*. ISSN 1526-1492 (IF 2023=**2,2**; Mathematics, Interdisciplinary Applications 39/135; **M21**) <https://doi.org/10.32604/cmcs.2025.064553>.

Радови објављени у истакнутим међународним часописима (M22)

- 14.171. Jovčić, S., **Simić, V.**, Průša, P., Dobrodolac, M. (2020). Picture fuzzy ARAS method for freight distribution concept selection. *Symmetry*, 12(7), 1062. ISSN 2073-8994 (IF 2019=**2,645**; Multidisciplinary Sciences 29/71; **M22**) <https://doi.org/10.3390/sym12071062>.
- 14.172. **Simić, V.**, Lazarević, D., Dobrodolac, M. (2021). Picture fuzzy WASPAS method for selecting last-mile delivery mode: a case study of Belgrade. *European Transport Research Review*, 13(1), 1-22. ISSN 1867-0717 (IF 2021=**3,817**; Transportation Science & Technology 19/40; **M22**) <https://doi.org/10.1186/s12544-021-00501-6>.
- 14.173. Dabic-Miletic, S., **Simic, V.**, Karagoz, S. (2021). End-of-life tire management: A critical review. *Environmental Science and Pollution Research*, 28, 68053-68070. ISSN 0944-1344 (IF 2021=**5,190**; Environmental Sciences 87/279; **M22**) <https://doi.org/10.1007/s11356-021-16263-6>.
- 14.174. Todorović, G., Puskarić, H., Klochkov, Y., **Simić, V.**, Lazić, Z., Đorđević, A. (2022). Creating Quality-Based Smart Sustainable Public Parking Enterprises: A Methodology to Reframe Organizations into Smart Organizations. *Sustainability*, 14(11), 6641. ISSN 2071-1050 (IF 2021=**3,889**; Environmental Studies 57/127; **M22**) <https://doi.org/10.3390/su14116641>.
- 14.175. Senapati, T., Mesiar, R., **Simic, V.**, Iampan, A., Chinram, R., Ali, R. (2022). Analysis of Interval-Valued Intuitionistic Fuzzy Aczel–Alsina Geometric Aggregation Operators and Their Application to Multiple Attribute

- Decision-Making. *Axioms*, 11(6), 258. ISSN 2075-1680 (IF 2021=**1,824**; Mathematics, Applied 95/267; **M22**) <https://doi.org/10.3390/axioms11060258>.
- 14.176. Novotná, M., Švadlenka, L., Jovčić, S., **Simić, V.** (2022). Micro-hub location selection for sustainable last-mile delivery. *PloS One*, 17(7), e0270926. ISSN 1932-6203 (IF 2021=**3,752**; Multidisciplinary Sciences 29/73; **M22**) <https://doi.org/10.1371/journal.pone.0270926>.
 - 14.177. Sen, S., Sahoo, L., Tiwary, K., **Simic, V.**, Senapati, T. (2023). Wireless Sensor Network Lifetime Extension via K-Medoids and MCDM Techniques in Uncertain Environment. *Applied Sciences*, 13(5), 3196. ISSN 2076-3417 (IF 2021=**2,838**; Engineering, Multidisciplinary 39/92; **M22**) <https://doi.org/10.3390/app13053196>.
 - 14.178. Ali, H.M., **Simic, V.**, Sitinjak, C., Hassim, J.Z., Said, M.H.M., Khalid, R.M., Kaka, G.E., Ismail R. (2023). Exploring Public Perceptions and Disposal Procedures in the Development of a Comprehensive End-of-Life Vehicle Regulation in Malaysia: A Pilot Study. *Sustainability*, 15(6), 4786. ISSN 2071-1050 (IF 2021=**3,889**; Environmental Sciences 133/279; **M22**) <https://doi.org/10.3390/su15064786>.
 - 14.179. Ghasemi, P., Goodarzian, F., **Simic, V.**, Tirkolaee, E.B. (2023). A DEA-Based Simulation-Optimization Approach to Design a Resilience Plasma Supply Chain Network: A Case Study of the COVID-19 Outbreak. *International Journal of Systems Science: Operations & Logistics*, 10(1), 2224105. ISSN 2330-2674 (IF 2022=**4,2**; Operations Research & Management Science 28/86; **M22**) <https://doi.org/10.1080/23302674.2023.2224105>.
 - 14.180. Sitinjak, C., Tahir, Z., Toriman, M.E., Lyndon, N., **Simic, V.**, Musselwhite, C., Simanullang, W.F., Hamzah., F.M. (2023). Assessing Public Acceptance of Autonomous Vehicles for Smart and Sustainable Public Transportation in Urban Areas: A Case Study of Jakarta, Indonesia. *Sustainability*, 15(9), 7445. ISSN 2071-1050 (IF 2021=**3,889**; Environmental Sciences 133/279; **M22**) <https://doi.org/10.3390/su15097445>.
 - 14.181. Bošković, S., Švadlenka, L., Jovčić, S., Dobrodolac, M., **Simić, V.**, Bacanin, N. (2023). An Alternative Ranking Order Method Accounting for Two-Step Normalization (AROMAN) – A Case Study of the Electric Vehicle Selection Problem. *IEEE Access*, 11, 39496-39507. ISSN 2169-3536 (IF 2021=**3,476**; Computer Science, Information Systems 79/164; **M22**) <https://doi.org/10.1109/ACCESS.2023.3265818>.
 - 14.182. Kausar, R., Riaz, M., **Simic, V.**, Akmal, K., & Farooq, M.U. (2023). Enhancing Solid Waste Management Sustainability with Cubic m-Polar Fuzzy Cosine Similarity. *Soft Computing*. ISSN 1432-7643 (IF 2022=**4,1**; Computer Science, Artificial Intelligence 66/145; **M22**) <https://doi.org/10.1007/s00500-023-08801-w>.
 - 14.183. Petrovic, A., Damaševičius, R., Jovanovic, L., Toskovic, A., **Simic, V.**, Bacanin, N., Zivkovic, M., Spalević, P. (2023). Marine Vessel Classification and Multivariate Trajectories Forecasting Using Metaheuristics-Optimized eXtreme Gradient Boosting and Recurrent Neural Networks. *Applied Sciences*, 13(16), 9181. ISSN 2076-3417 (IF 2022=**2,7**; Engineering, Multidisciplinary 42/91; **M22**) <https://doi.org/10.3390/app13169181>.
 - 14.184. Predić, B., Jovanovic, L., **Simic, V.**, Bacanin, N., Zivkovic, M., Spalevic, P., Budimirovic, N., Dobrojevic, M. (2023). Cloud-load forecasting via decomposition-aided attention recurrent neural network tuned by modified particle swarm optimization. *Complex & Intelligent Systems*, 10, 2249-2269. ISSN 2199-4536 (IF 2023=**5,8**; Computer Science, Artificial Intelligence 44/145; **M22**) <https://doi.org/10.1007/s40747-023-01265-3>.
 - 14.185. Majumder, P., Bhowmik, P., Das, A., Senapati, T., **Simic, V.**, Pamucar, D. (2023). An Intuitionistic Fuzzy Based Hybrid Decision-Making Approach to Determine the Priority Value of Indicators and its Application to Solar Energy Feasibility Analysis. *Optik*, 295, 171492. ISSN 0030-4026 (IF 2023=**3,1**; Optics 41/100; **M22**) <https://doi.org/10.1016/j.ijleo.2023.171492>.
 - 14.186. Jovanovic, L., Bacanin, N., **Simic, V.**, Mani, J.P., Zivkovic, M., Sarac, M. (2024). Optimizing machine learning for space weather forecasting and event classification using modified metaheuristics. *Soft Computing*. ISSN 1432-7643 (IF 2022=**3,1**; Computer Science, Artificial Intelligence 86/197; **M22**) <https://doi.org/10.1007/s00500-023-09496-9>.
 - 14.187. Bošković, S., Švadlenka, L., Jovčić, S., Dobrodolac, M., **Simić, V.**, Bacanin, N. (2024). A New FullEX Decision-Making Technique for Criteria Importance Assessment: An Application to the Sustainable Last-Mile Delivery Courier Selection. *IEEE Access*, 11, 137426-137436. ISSN 2169-3536 (IF 2023=**3,4**; Computer Science, Information Systems 87/249; **M22**) <https://doi.org/10.1109/ACCESS.2023.3339580>.
 - 14.188. Parthasarathy, T.N., Narayanamoorthy, S., Suganthi, K.D.N., Pamucar, D., **Simic, V.**, Kang, D. (2024). An Idiosyncratic Interval Valued Picture q-Rung Orthopair Fuzzy Decision-Making Model for Electric Vehicle Battery Charging Technology Selection. *International Journal of Fuzzy Systems*. ISSN 1562-2479 (IF 2023=**3,6**; Computer Science, Artificial Intelligence 72/197; **M22**) <https://doi.org/10.1007/s40815-024-01683-6>.
 - 14.189. Hu, L., Yu., Q., Jana, C., **Simic, V.**, Bin-Mohsin, B. (2024). An Intuitionistic Fuzzy SWARA-AROMAN Decision-Making Framework for Sports Event Management. *IEEE Access*, 12, 57711-57726. ISSN 2169-3536 (IF 2023=**3,4**; Computer Science, Information Systems 87/249; **M22**) <https://doi.org/10.1109/ACCESS.2024.3377099>.
 - 14.190. Anjum, M., **Simic, V.**, Alrasheedi, M., Shahab, S. (2024). T-Spherical Fuzzy-CRITIC-WASPAS Model for the Evaluation of Cooperative Intelligent Transportation System Scenarios. *IEEE Access*, 12, 61137-6115. ISSN 2169-3536 (IF 2023=**3,4**; Computer Science, Information Systems 87/249; **M22**) <https://doi.org/10.1109/ACCESS.2024.3392019>.
 - 14.191. Pragathi, S., Narayanamoorthy, S., Dhivya, S., Saraswathy, R., Pamucar, D., **Simic, V.**, Kang, D. (2024). A Complex Fuzzy Decision Model for Analysing the Post-Pandemic Immuno-sustainability. *Acta Tropica*, 256, 107261. ISSN 0001-706X (IF 2023=**2,1**; Tropical Medicine 12/28; **M22**) <https://doi.org/10.1016/j.actatropica.2024.107261>.
 - 14.192. Kumar, R., Saha, R., **Simic, V.**, Dev, N., Kumar, R., Banga, H.K., Bacanin, N., Singh, S. (2024). Rooftop Solar Potential in Micro, Small, and Medium Size Enterprises: An Insight into Renewable Energy Tapping by Decision-

- Making Approach. *Solar Energy*, 276, 112692. ISSN 0038-092X (IF 2023=6; Energy & Fuels 54/170; **M22**) <https://doi.org/10.1016/j.solener.2024.112692>.
- 14.193. Sitinjak, C., **Simic, V.**, Tirkolaee, E.B., Bacanin, N., Simanullang, W.F., Fajar, R. (2024). Uncovering Pathways towards Sustainable Transportation: Investigating Factors Influencing Societal Acceptance of End-of-Life Vehicle Management in Indonesia. *Waste Management & Research*, 43(5), 709-725. ISSN 0734-242X (IF 2023=3,7; Environmental Sciences 134/358; **M22**) <https://doi.org/10.1177/0734242X241273761>.
 - 14.194. Radic, G., Jovanovic, L., Bacanin, N., Stankovic, M., **Simic, V.**, Antonijevic, M., Zivkovic, M. (2024). Identifying and understanding student dropouts using metaheuristic optimized classifiers and explainable artificial intelligence techniques. *IEEE Access*, 12, 122377-122400. ISSN 2169-3536 (IF 2023=3,4; Computer Science, Information Systems 73/157; **M22**) <https://doi.org/10.1109/ACCESS.2024.3446653>.
 - 14.195. Anjum, M., **Simic, V.**, Min, H., Kraiem, N. (2024). Transformative Pathways to Metaverse Integration in Intelligent Transportation Systems using Pythagorean Fuzzy CRITIC-AROMAN method. *IEEE Access*, 12, 119383-119404. ISSN 2169-3536 (IF 2023=3,4; Computer Science, Information Systems 73/157; **M22**) <https://doi.org/10.1109/ACCESS.2024.3449417>.
 - 14.196. Kou, G., Dinçer, H., Pamucar, D., Yüksel, S., **Simic, V.** (2024). Analyzing blockchain-based waste management investments in smart cities using quantum picture fuzzy rough modelling. *International Journal of Environmental Science and Technology*. ISSN 1735-1472 (IF 2023=3; Environmental Sciences 129/275; **M22**) <https://doi.org/10.1007/s13762-024-06032-6>.
 - 14.197. Sandra, M., Narayanamoorthy, S., Suvitha, K., Pamucar, D., **Simic, S.**, Kang, D. (2024). A trace to median index based fuzzy decision making technique for weed management in agricultural systems. *IEEE Access*, 12, 165185-165202. ISSN 2169-3536 (IF 2023=3,4; Computer Science, Information Systems 87/250; **M22**) <https://doi.org/10.1109/ACCESS.2024.3493605>.
 - 14.198. Kausar, R., Malaika, M., Riaz, M., **Simic, V.**, Pamucar, D. (2025). An Intuitionistic Fuzzy Credibility Model for Exploring Document Ranking through Similarity Measures in Information Retrieval Systems. *International Journal of Fuzzy Systems*. ISSN 1562-2479 (IF 2023=3,6; Computer Science, Artificial Intelligence 72/197; **M22**) <https://doi.org/10.1007/s40815-024-01968-w>.
 - 14.199. Attari, M.Y.N., Ala, A., **Simic, V.**, Pamucar, P., Aydin, N. (2025). A gravitational meta-heuristic algorithm for solving resource-constrained project scheduling problems. *Sadhana-Academy Proceedings in Engineering Sciences*, 50, 104. ISSN 0256-2499 (IF 2023=1,4; Engineering, Multidisciplinary 80/181; **M22**) <https://doi.org/10.1007/s12046-025-02745-7>.
 - 14.200. Markovic, F., Jovanovic, L., Spalevic, P., Kaljevic, J., Zivkovic, M., **Simic, V.**, Shaker, H., Bacanin, N. (2025). Parkinsons Detection from Gait Time Series Classification Using Modified Metaheuristic Optimized Long Short Term Memory. *Neural Processing Letters*, 57, 14. ISSN 1370-4621 (IF 2023=2,6; Computer Science, Artificial Intelligence 104/197; **M22**) <https://doi.org/10.1007/s11063-025-11735-z>.
 - 14.201. Parthasarathy, T.N., Narayanamoorthy, S., Aarthi, K., Pamucar, D., **Simic, V.**, Kang, D. (2025). A Fuzzy-Based Normalized Unified Objective Attribute Relative Weight Assessment (NARA) Decision-Making Approach for Navigating Green Aviation Fuel Selection. *International Journal of Fuzzy Systems*. ISSN 1562-2479 (IF 2023=3,6; Computer Science, Artificial Intelligence 72/197; **M22**) <https://doi.org/10.1007/s40815-025-02015-y>.
 - 14.202. Parthasarathy, T.N., Thilagasree, C.S., Jayakumar, T., **Simic, V.**, Pamucar, D. (2025). Stratified enhanced interval-valued q-rung orthopair picture bipolar fuzzy decision-making approach for municipal solid waste disposal technique selection. *International Journal of Environmental Science and Technology*. ISSN 1735-1472 (IF 2023=3; Environmental Sciences 169/358; **M22**) <https://doi.org/10.1007/s13762-025-06442-0>.
 - 14.203. Singh, G., Biswas, S., Ezugwu, A.E.S., **Simic, V.**, Bera, U.K., Saleem, K., Abualigah, L. (2025). Enhanced Global Optimization Using a Novel Hybrid Sine Cosine-Gazelle Algorithm with Brownian Motion and Lévy Flight Mechanisms. *International Journal of Computational Intelligence Systems*, 18, 108. ISSN 1875-6891 (IF 2023=2,5; Computer Science, Artificial Intelligence 106/197; **M22**) <https://doi.org/10.1007/s44196-025-00823-6>.
 - 14.204. Aydin, N., Samanlioglu, F., Sert, Y.B., Yu, H., **Simic, V.** (2025). Performance Evaluation of Operators in the Telecommunication Industry. *International Journal of Fuzzy Systems*. ISSN 1562-2479 (IF 2023=3,6; Computer Science, Artificial Intelligence 72/197; **M22**) <https://doi.org/10.1007/s40815-025-02044-7>.
 - 14.205. Kljajic, M., Mizdrakovic, V., Jovanovic, L., Bacanin, N., **Simic, V.**, Pamucar, D., Zivkovic, M. (2025). Gasoline and Crude Oil Price Prediction using Multi-headed Variational Neighbour Search-tuned Recurrent Neural Networks. *Computational Economics*. ISSN 0927-7099 (IF 2023=1,9; Economics 224/600; **M22**) <https://doi.org/10.1007/s10614-025-10967-4>.

Радови објављени у међународним часописима (M23)

- 14.206. Karagoz, S., Aydin, N., **Simic, V.** (2022). A Novel Stochastic Optimization Model for Reverse Logistics Network Design of End-of-Life Vehicles: A Case Study of Istanbul. *Environmental Modeling & Assessment*, 27, 599-619. ISSN 1420-2026 (IF 2021=2,016; Environmental Sciences 226/279; **M23**) <https://doi.org/10.1007/s10666-022-09834-5>.
- 14.207. Senapati, T., Mishra, A.R., Saha, A., **Simic, V.**, Rani, P., Ali, R. (2022). Construction of interval-valued Pythagorean fuzzy Aczel-Alsina aggregation operators for decision making: A case study in emerging IT software company selection. *Sadhana. Academy Proceedings in Engineering Sciences*, 47, 255. ISSN 0256-2499 (IF 2021=1,214; Engineering, Multidisciplinary 75/92; **M23**) <https://doi.org/10.1007/s12046-022-02002-1>.

- 14.208. Gao, K., Liu, T., Yue, D., **Simic, V.**, Rong, Y., Garg, H. (2023). An Integrated Spherical Fuzzy Multi-Criterion Group Decision Making Approach and its Application in Digital Marketing Technology Assessment. *International Journal of Computational Intelligence Systems*, 16, 125. ISSN 1875-6891 (IF 2022=**2,9**; Computer Science, Artificial Intelligence 89/145; **M23**) <https://doi.org/10.1007/s44196-023-00298-3>.
- 14.209. Kang, D., Lakshmanaraj, R., Narayanamoorthy, S., Devi, N.S.K., Kalaiselvan, S., Saraswathy, R., Pamučar, D., **Simic, V.** (2024). Fuzzy Multi-Criteria Decision Support System for the Best Anti-Aging Treatment Selection Process through Normal Wiggly Hesitant Fuzzy Sets. *CMC-Computers, Materials & Continua*, 80(3), 4947-4972. ISSN 1546-2218 (IF 2023=**2**; Computer Science, Information Systems 151/249; **M23**) <https://doi.org/10.32604/cmc.2024.055260>.
- 14.210. Kousar, S., Shaheen, S., Kausar, N., Pamucar, D., **Simic, V.**, Salman, M.A., (2024). On the Construction of Congruences over Generalized Fuzzy G -acts. *International Journal of Computational Intelligence Systems*, 17, 242. ISSN 1875-6891 (IF 2023=**2,5**; Computer Science, Artificial Intelligence 97/144; **M23**) <https://doi.org/10.1007/s44196-024-00645-y>.
- 14.211. Görçün, Ö.F., **Simic, V.**, Kundu, P., Özbek, A., Küçükönder, H. (2024). Electric Vehicle Selection for Industrial Users using an Interval-valued Intuitionistic Fuzzy COPRAS-based Model. *Environment, Development and Sustainability*. ISSN 1387-585X (IF 2023=**4,7**; Green & Sustainable Science & Technology 39/91; **M23**) <https://doi.org/10.1007/s10668-024-05562-w>.
- 14.212. Li, S., Wei, J., Liang, Y., Shen, H., **Simic, V.**, Pamucar, D. (2025). A Pareto optimal scheduling algorithm for two agents with compatible non-disjoint jobs on an unlimited serial-batch processor. *Central European Journal of Operations Research*. ISSN 1435-246X (IF 2023=**1,4**; Operations Research & Management Science 74/106; **M23**) <https://doi.org/10.1007/s10100-024-00954-9>.
- 14.213. Jayakumar, V., Pethaperumal, M., Kausar, K., Pamucar, D., **Simic, V.**, Salman, M.A. (2025). Lattice-Based Decision Models for Green Urban Development: Insights from L_q^* q -Rung Orthopair Multi-Fuzzy Soft Set. *International Journal of Computational Intelligence Systems*, 18, 46. ISSN 1875-6891 (IF 2023=**2,5**; Computer Science, Artificial Intelligence 97/144; **M23**) <https://doi.org/10.1007/s44196-025-00755-1>.

Додатак уз тачку 16: БИБЛИОГРАФИЈА РАДОВА ИЗ КАТЕГОРИЈА М30 И М60 ПОСЛЕ ИЗБОРА У ЗВАЊЕ ВАНРЕДНОГ ПРОФЕСОРА

Саопштења са међународних скупова штампана у целини (М33)

- 16.1. Dabic-Miletic, S., **Simic, V.** (2021). The Role of Blockchain Technology in Disaster Relief Global Supply Chains. *Proceedings of 6th International Conference Regional Development and Crossborder Cooperation*, Pirot, Serbia, pp. 265-275. ISBN 978-86-900497-4-5.
- 16.2. Haghshenas, S.S., Guido, G., Haghshenas, S.S., Astarita, V., **Simic, V.** (2024). Evaluating Determinants of Sustainable Urban Transportation Development using the FAHP Method: A Case Study of Calabria Region, Southern Italy. *AIIT 4th International Conference, Greening the Way Forward: Sustainable Transport Infrastructure and Systems*, September 19-20, Rome, Italy.
- 16.3. Bjelić, N., **Simic, V.**, Božić, M. (2024). Challenges in Increasing the Sustainability of Intralogistics Activities in the Food Supply Chain. *Proceedings of 8th International Conference Regional Development and Crossborder Cooperation*, December 6, Pirot, Serbia.
- 16.4. Knežević, N., Dabic-Miletic, S., **Simic, V.** (2024). Sustainable Intralogistics Activities in the Automotive Industry Supply Chain Warehouse. *Proceedings of 8th International Conference Regional Development and Crossborder Cooperation*, December 6, Pirot, Serbia.
- 16.5. Tahmouresi, A., Jovanovic, L., Malisic, S., **Simic, V.**, Zivkovic, T., Zivkovic, M., Gavrilovic, J., Bacanin, N. (2025). Forecasting energy production at solar substations using gated recurrent units networks optimized by modified metaheuristics. *3rd Congress on Control, Robotics, and Mechatronics (CRM2025)*, February 1-2, SR University, Warangal, India. Part of the Springer Book Series "Smart Innovation, Systems, and Technologies", ISSN 2190-3018.

Предавања по позиву са скупа националног значаја штампана у целини (М61)

- 16.6. **Simić, V.**, Čupić, A., Dimitrijević, B. (2020). SE-CoCoSo pristup za rešavanje problema izbora tehničkog sistema za automatsku preradu poštanskih paketa. *Zbornik radova XXXVIII simpozijuma o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju – PosTel 2020*, Beograd, Srbija, decembar 1-2, str. 41-52. <https://doi.org/10.37528/FTTE/9788673954318/POSTEL.2020.005>.
- 16.7. Dimitrijević, B., **Simić, V.** (2021). Ključni faktori izbora lokacije paketomata. *Zbornik radova XXXIX simpozijuma o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju – PosTel 2021*, Beograd, Srbija, 30. novembar i 1. decembar, str. 33-42. <https://doi.org/10.37528/FTTE/9788673954455/POSTEL.2021.004>.
- 16.8. Dimitrijević, B., Ratković, B., **Simić, V.** (2022). Analiza rizika poremećaja u funkcionisanju uslužnih mreža. *Zbornik radova XXXX simpozijuma o novim tehnologijama u poštanskom i telekomunikacionom saobraćaju – PosTel 2022*, Beograd, Srbija, novembar 29-30, str. 63-70. <https://doi.org/10.37528/FTTE/9788673954165/POSTEL.2022.007>.
- 16.9. Stević, Ž., Huskanović, E., Lukić, K., **Simić, V.** (2024). Izbor lokacija za instalaciju paketomata primjenom FUCOM-MARCOS modela. *Proceedings of the PosTel 2024 (The Forty Second Symposium on Novel Technologies in Postal and Telecommunication Traffic)*, Belgrade, Serbia, novembar 26-27, str. 93-102. ISBN 987-86-7395-489-9. <https://doi.org/10.37528/FTTE/9788673954899/POSTEL.2024.10>.

Додатак уз тачку 18: БИБЛИОГРАФИЈА РАДОВА ИЗ КАТЕГОРИЈЕ М20 ПРЕ ИЗБОРА У ЗВАЊЕ ВАНРЕДНОГ ПРОФЕСОРА (а у последњих 10 година)

Радови објављени у врхунским међународним часописима (М21)

- 18.1. **Simić, V.** (2016). A multi-stage interval-stochastic programming model for planning end-of-life vehicles allocation. *Journal of Cleaner Production*, 115, 366–381. ISSN 0959-6526 (IF 2016=5,715; Environmental Sciences 17/229; **M21a**) <https://doi.org/10.1016/j.jclepro.2015.11.102>.
- 18.2. Mamat, T.N.A.R., Mat Saman, M.Z., Sharif, S., **Simić, V.** (2016). Key success factors in establishing end-of-life vehicle management system: a primer for Malaysia. *Journal of Cleaner Production*, 135, 1289–1297. ISSN 0959-6526 (IF 2016=5,715; Environmental Sciences 17/229; **M21a**) <https://doi.org/10.1016/j.jclepro.2016.06.183>.
- 18.3. **Simić, V.**, Dabić-Ostojić, S. (2017). Interval-parameter chance-constrained programming model for uncertainty-based decision making in tire retreading industry. *Journal of Cleaner Production*, 167, 1490–1498. ISSN 0959-6526 (IF 2017=5,651; Environmental Sciences 21/242; **M21a**) <https://doi.org/10.1016/j.jclepro.2016.10.122>.

Радови објављени у врхунским међународним часописима (М21)

- 18.4. **Simić, V.** (2016). Interval-parameter chance-constraint programming model for end-of-life vehicles management under rigorous environmental regulations. *Waste Management*, 52, 180–192. ISSN 0956-053X (IF 2016=4,030; Engineering, Environmental 12/49; **M21**) <https://doi.org/10.1016/j.wasman.2016.03.044>.
- 18.5. **Simić, V.** (2016). End-of-life vehicles allocation management under multiple uncertainties: An interval-parameter two-stage stochastic full-infinite programming approach. *Resources, Conservation and Recycling*, 114, 1–17. ISSN 0921-3449 (IF 2016=3,313; Environmental Sciences 60/229; **M21**) <https://doi.org/10.1016/j.resconrec.2016.06.019>.
- 18.6. **Simić, V.**, Dabić-Ostojić, S., Bojović, N. (2017). Interval-parameter semi-infinite programming model for used tire management and planning under uncertainty. *Computers & Industrial Engineering*, 113, 487–501. ISSN 0360-8352 (IF 2017=3,195; Computer Science, Interdisciplinary Applications 22/105; **M21**) <https://doi.org/10.1016/j.cie.2017.09.013>.

Радови објављени у истакнутим међународним часописима (М22)

- 18.7. Raja Mamat, T.N.A., Mat Saman, M.Z., Sharif, S., **Simić, V.**, Abd Wahab, D. (2018). Development of a performance evaluation tool for end-of-life vehicles management system implementation using analytic hierarchy process. *Waste Management & Research*, 36(12), 1210–1222. ISSN 0734-242X (IF 2018=2,015; Environmental Sciences 135/251; **M22**) <https://doi.org/10.1177/0734242X18790361>.
- 18.8. Karagoz, S., Deveci, M., **Simić, V.**, Aydin, N., Bolukbas, U. (2020). A novel intuitionistic fuzzy MCDM based CODAS approach for locating an authorized dismantling centre: A case study of Istanbul. *Waste Management & Research*, 38(6), 660–672. ISSN 0734-242X (IF 2019=2,771; Engineering, Environmental 27/53; **M22**) <https://doi.org/10.1177/0734242X19899729>.

Радови објављени у међународним часописима (М23)

- 18.9. **Simić, V.** (2019). Interval-parameter conditional value-at-risk two-stage stochastic programming model for management of end-of-life vehicles. *Environmental Modeling and Assessment*, 24(5), 547–567. ISSN 1420-2026 (IF 2019=1,634; Environmental Sciences 195/265; **M23**) <https://doi.org/10.1007/s10666-018-9648-9>.
- 18.10. Karagoz, S., Aydin, N., **Simić, V.** (2020). End-of-life vehicle management: a comprehensive review. *Journal of Material Cycles and Waste Management*, 22, 416–442. ISSN 1438-4957 (IF 2019=1,974; Environmental Sciences 162/265; **M23**) <https://doi.org/10.1007/s10163-019-00945-y>.

БИБЛИОГРАФИЈА РАДОВА ИЗ КАТЕГОРИЈЕ М51 ПОСЛЕ ИЗБОРА У ЗВАЊЕ ВАНРЕДНОГ ПРОФЕСОРА

1. Dimitrijević, B., Ratković, B., **Simić, V.** (2023). Risk Analysis of Service Networks Disruption. *International Journal for Traffic and Transport Engineering*, 13(1), 17–27. ISSN: 2217-544x. [https://doi.org/10.7708/ijtte2023.13\(1\).02](https://doi.org/10.7708/ijtte2023.13(1).02).
2. Dhala, P.R., Choudhury, B.B., Sahoo, S.K., Pamucar, D., **Simic, V.** (2025). A Multi-Criteria Decision-Making Approach for Wheelchair Selection Using Intuitionistic Fuzzy TOPSIS. *Vojnotehnički glasnik / Military Technical Courier*. ISSN: 0042-8469 (прихваћен за објављивање 25.03.2015. године).

ИЗБОРНИ УСЛОВИ:

(изабрати 2 од 3 услова)	Заокружити ближе одреднице (најмање по једна из 2 изабрана услова)
1. Стручно-професионални допринос	1. Председник или члан уређивачког одбора научног часописа или зборника радова у земљи или иностранству. 2. Председник или члан организационог одбора или учесник на стручним или научним скуповима националног или међународног нивоа. 3. Председник или члан у комисијама за израду завршних радова на академским специјалистичким, мастер и докторским студијама. 4. Аутор или коаутор елабората или студија. 5. Руководилац или сарадник у реализацији пројеката. 6. Иноватор, аутор или коаутор прихваћеног патента, техничког унапређења, експертиза, рецензија радова или пројеката. 7. Поседовање лиценце.
2. Допринос академској и широј заједници	1. Председник или члан органа управљања, стручног органа, помоћних стручних органа или комисија на факултету или универзитету у земљи или иностранству. 2. Члан стручног, законодавног или другог органа и комисија у широј друштвеној заједници. 3. Руковођење активностима од значаја за развој и углед факултета, односно Универзитета. 4. Руковођење или учешће у ваннаставним активностима студената. 5. Учешће у наставним активностима који не носе ЕСПБ бодове (перманентно образовање, курсеви у организацији професионалних удружења и институција или сл.). 6. Домаће или међународне награде и признања у развоју образовања или науке.
3. Сарадња са другим високошколским, научноистраживачким установама, односно установама културе или уметности у земљи и иностранству	1. Учешће у реализацији пројеката, студија или других научних остварења са другим високошколским или научноистраживачким установама у земљи или иностранству. 2. Радно ангажовање у настави или комисијама на другим високошколским или научноистраживачким установама у земљи или иностранству, 3. Руковођење или чланство у органима или професионалним удружењима или организацијама националног или међународног нивоа. 4. Учешће у програмима размене наставника и студената. 5. Учешће у изради и спровођењу заједничких студијских програма. 6. Гостовања и предавања по позиву на универзитетима у земљи или иностранству.

***Напомена:** На крају табеле кратко описати заокружену одредницу

1. Стручно-професионални допринос

1.1. Члан Уређивачког одбора научног часописа Journal of Intelligent and Fuzzy Systems, IOS Press, ISSN 1064-1246, IF 2021=1,737, Computer Science, Artificial Intelligence 113/146 (од 2023. године до 2024. године).

Члан Уређивачког одбора научног часописа Applied Soft Computing, Elsevier, ISSN 1568-4946, IF 2022=8,7, Computer Science, Artificial Intelligence 21/145 (од 2023. године до 2024. године).

Гостујући уредник научног часописа Engineering Applications of Artificial Intelligence, Elsevier, ISSN 0952-1976, IF 2021=7,802, Engineering, Multidisciplinary 5/92, специјано издање „Machine Learning/Artificial Intelligence Application in Healthcare Supply Chain“ (од 2023. године до 2025. године).

Обласни уредник (области: меко рачунарство, фази скупови, саобраћајно инжењерство, логистички системи и еколошко инжењерство) научног часописа Yugoslav Journal of Operations Research (YUJOR), ISSN 2662-9984, CiteScore 2022=2.2, Management Science and Operations Research Q3 (Scopus) (од 2024. године до данас).

Члан Уређивачког одбора научног часописа PeerJ Computer Science, ISSN 2376-5992, IF 2021=2,411, Computer Science, Theory & Methods 48/111 (од 2022. године до 2023. године).

Члан Уређивачког одбора научног часописа Operational Research in Engineering Sciences: Theory and Applications (ORESTA), ISSN 2620-1607, Cite Score: 5,4, (од 2022. године до 2024. године).

Гостујући уредник научног часописа PeerJ Computer Science, ISSN 2376-5992, IF 2021=2,411, Computer Science, Theory & Methods 48/111, специјално издање „Decision Making in Complex Systems: Intelligent Computing“.

Гостујући уредник научног часописа Axioms, ISSN 2075-1680, IF 2021=1,824, Mathematics, Applied 95/267, специјално издање „Advances in Fuzzy Preference Relations and Decision-Making Methods with Applications“.

Гостујући уредник научног часописа Computer Modeling in Engineering and Sciences / CMES, ISSN 1526-1492, IF 2021=2,027, Engineering, Multidisciplinary 52/92, специјално издање „Advanced Computational Models for Decision-Making of Complex Systems in Engineering“.

Гостујући уредник научног часописа Sustainability, ISSN 2071-1050, IF 2021=3,889, Environmental Studies 57/127, специјално издање „Application of Decision-Making Approaches under Uncertainty for Sustainable Transport“.

Председник Уређивачког одбора научног часописа Journal of Industrial Intelligence, ISSN 2958-2687 (од 2023. године до данас).

Члан Уређивачког одбора научног часописа Journal of Fuzzy Extensions and Applications, ISSN 2783-1442 (од 2022. године до данас).

Члан Уређивачког одбора научног часописа International Journal of Applied Optimization Studies, ISSN 2645-4327 (од 2023. године до данас).

Члан Уређивачког одбора научног часописа Journal of Civil Engineering and Environmental Sciences, ISSN 2455-488X (од 2014. године до 2016. године).

Члан Уређивачког одбора научног часописа Advances in Recycling & Waste Management, ISSN 2475-7675 (од 2015. године до 2019. године).

1.2. Члан Организационог одбора Симпозијума о операционим истраживањима – SYMOPIS 2008.

Члан Организационог одбора Симпозијума о новим технологијама у поштанском и телекомуникационом саобраћају – ПосТел (од 2010. године до 2020. године).

Учесник је националних и међународних скупова (четири предавања по позиву са скупа националног значаја и пет саопштења са међународног скупа од избора у звање ванредног професора).

1.3. Након избора у звање ванредног професора из научне области за коју се бира: ментор за израду 1 мастер рада, тренутно је ментор једном кандидату на докторским студијама, члан Комисије за оцену и одбрану два завршна рада, пет мастер радова и три докторске дисертације.

1.4. Коаутор пројекта *Генерални пројекат и прелиминарна студија изводљивости државног пута првог реда „Вожд Карађорђе“*, у периоду 2021-2022. година, финансиран од стране Коридори Србије д.о.о. (од 2021. године до 2022. године).

Коаутор пројекта *ПРЕЛИМИНАРНА СТУДИЈА ИЗВОДЉИВОСТИ СА ГЕНЕРАЛНИМ ПРОЈЕКТОМ ИЗГРАДЊЕ БРЗЕ САОБРАЋАЈНИЦЕ ПРВОГ Б РЕДА КРАЉЕВО-УШЋЕ-РАШКА-НОВИ ПАЗАР, Л=125КМ*, у периоду 2021-2022. година, финансирано од стране ЈП „Путеви Србије“ (од 2021. године до 2022. године).

Сарадник у изради елабората *ПОВЕЋЕ КРИТЕРИЈУМСКО ОЦЕНУВАЊЕ И ИЗБОР НА ВАРИЈАНТА НА АВТОПАТОТ, КОРИДОР 8, ДЕЛНИЦА 2: ГОСТИВАР – БУКОЈЧАНИ*, финансирано од стране Република Северна Македонија Јавно Претпријатие за Државни Патишта (2024. године).

1.5. Члан истраживачког тима (сарадник) на научно-истраживачком пројекту Министарства просвете, науке и технолошког развоја (евиденциони број ТР 36006).

1.6. Рецензирао је око 580 радова у 80 међународних часописа са JCR листе.

2. Допринос академској и широј заједници

2.1. Члан Комисије за упис студената (од 2010. године до данас).

Члан Комисије за попис библиотеке (2020. године).

Члан Дисциплинске комисије (од 2020. године до 2023. године, одлука број 780/2).

Члан Комисије за попис основних средстава, рачунарске опреме и нефинансијске имовине у припреми Универзитета у Београду - Саобраћајног факултета (2020. године, одлука број 1626/1).

Председник Дисциплинске комисије (од 2023. године до данас, одлука број 1445/1).

Руководилац модула Поштански саобраћај и информационе технологије (од 2021. године до 2024. године, одлука број 1258/4).

Руководилац модула Поштански саобраћај и информационе технологије (од 2024. године до данас, одлука број 1596/15).

- 2.2.** Члан Програмског одбора International Conference on Intelligent Decision Science, Istinye University, Istanbul, Turkey (од 2021. године до данас).

Члан Програмског одбора Симпозијума о новим технологијама у поштанском и телекомуникационом саобраћају – ПосТел (од 2021. године до данас).

Члан Програмског одбора International Symposium on Statistics and Optimization, Aligarh Muslim University, Aligarh, India (од 2022. године до 2024. године).

Члан Програмског одбора International Conference on Data Envelopment Analysis and the International Conference on Intelligent Decision Science, Istinye University, Istanbul, Turkey (од 2022. године до данас).

Члан Програмског одбора International Conference on Optimization and Data Science in Industrial Engineering, Istinye University, Istanbul, Turkey (од 2023. године до данас).

Члан Стучног одбора UCN International Conference of Industrial Engineering, Coquimbo, Chile (од 2023. године до данас).

Члан Програмског одбора International Conference on Operations Research, Business Analytics, and Data Science (ICODAS), Istanbul, Turkey (2023. године).

Члан Стручног одбора International Society of Fuzzy Sets Extensions and Applications (од 2025. године до данас).

- 2.3.** Координатор ERASMUS+ и других програма међународне сарадње на Универзитету у Београду - Саобраћајном факултету (од 2022. године до данас, одлука број 853/3).

- 2.6.** Добитник међународне годишње награде „2016 Excellence in Review Award“, за изузетан допринос рецензентском раду: Xu, M. (2017). Announcing the 2016 Excellence in Review Award recipients. Resources, Conservation and Recycling, 120, A1.

Освојио 2023. године прво место у категорији информационог инжењерства и међународна награду за научни рад „An interval type-2 fuzzy sets based Delphi approach to evaluate site selection indicators of sustainable vehicle shredding facilities“, коју му је доделио Vilnius Gediminas Technical University, Литванија.

Уврштен је 2023. године на годишњу листу 2% најцитиранијих научника за календарску 2023. годину коју издаје Stanford University.

Уврштен је 2024. године на годишњу листу 2% најцитиранијих научника за календарску 2023. годину коју издаје Stanford University.

Уврштен је 2024. године на каријерну листу 2% најцитиранијих научника коју издаје Stanford University.

3. Сарадња са другим високошколским, научноистраживачким установама, односно установама културе или уметности у земљи и иностранству

- 3.1.** Члан истраживачког тима (сарадник) у реализацији заједничког пројекта Саобраћајног факултета и Математичког института САНУ: Оптимизација дистрибутивних и повратних токова у логистичким системима, МПНТР, евиденциони број ТР 36006, период 2011-2022.

- 3.2.** Спољни члан Комисије за оцену и одбрану једне докторске дисертације на Универзитету у Крагујевцу - Факултету инжењерских наука, Крагујевац, Србија.

Спољни члан Комисије за оцену и одбрану једне докторске дисертације на National Institute of Technology Durgapur, Индија.

Спољни члан Комисије за оцену и одбрану једне докторске дисертације на Universiti Tenaga Nasional (UNITEN), Малезија.

Спољни члан Комисије за оцену подобности кандидата и теме за израду једне докторске дисертације на Универзитету Сингидунум, Већу Департмана за последипломске студије, Београд, Србија.

Спољни члан Комисије за оцену и одбрану једне докторске дисертације на Универзитету Сингидунум, Већу Департмана за последипломске студије, Београд, Србија.

Спољни члан Комисије за припрему извештаја о пријављеним кандидатима по конкурс за избор једног доцента за научну област техничко-технолошких наука - софтверско инжењерство, на Универзитету Сингидунум - Факултет за информатику и рачунарство, Београд, Србија.

Радно ангажовање у настави на Yuan Ze University (YZU), Тајван, у школској 2024/25. години из предмета Multiple Objective Decision Making (одлука број 306/2).

- 3.3.** Члан The International Association of Engineers (IAENG), IAENG Membership Number: 364883 (од 2014. године до данас).
Члан The International Solid Waste Association (ISWA) (од 2019. године до 2024. године).
Члан International Society for Development and Sustainability (ISDS), Japan (од 2021. године до данас).
Члан The International Society of Fuzzy Sets Extensions and Applications, Membership Number 374901 (од 2023. године до данас).
- 3.4.** Учешће у програмима размене наставника, студената и административног особља као координатор ERASMUS+ и других програма међународне сарадње на Универзитету у Београду - Саобраћајном факултету (од 2022. године до данас, одлука број 853/3).
- 3.6.** Предавање по позиву 2022. године на Yildiz Technical University, Graduate School of Science and Engineering, Инстанбул, Турска: „Sustainable Transportation“.
Предавање по позиву 2022. године на KL College of Engineering, Department of Mathematics, Vaddeswaram, Andhra Pradesh, Индија: „Essence of Mathematics in Engineering Applications“.
Предавање по позиву 2023. године на Yuan Ze University (YZU), Тајван: „Increasing research visibility“.
Предавање по позиву 2023. године на Математичком институту Српске академије наука и уметности, Семинар за доношење одлука - теорија, технологија и пракса: „Decision-Making for Emerging Sustainable Transportation Models“.
Предавање по позиву 2024. године на Yuan Ze University (YZU), Тајван: „Strategic Management and Organizational Dynamism in Industry 4.0: Research Trends, Perspectives, and Hotspots“.

III - ЗАКЉУЧНО МИШЉЕЊЕ И ПРЕДЛОГ КОМИСИЈЕ

На основу поднете и прегледане документације и напред изнетог у овом реферату, Комисија констатује да пријављени кандидат др Владимир Симић, дипл. инж. саобраћаја формално и суштински испуњава све критеријуме прописане Законом о високом образовању Републике Србије, као и критеријуме за избор у звање редовног професора предвиђене Статутом Универзитета у Београду, Правилником о минималним условима за стицање звања наставника на Универзитету у Београду и Статутом Саобраћајног факултета.

На основу напред изнетих чињеница, оцена и закључака, Комисија има посебно задовољство да Изборном већу Саобраћајног факултета и Већу научних области техничких наука Универзитета у Београду предложи да изабере др Владимира Симића, дипл. инж. саоб. у звање редовног професора са пуним радним временом на неодређено време за ужу научну област Операциона истраживања у поштанском и телекомуникационом саобраћају.

Београд, 11.06.2025. године

ПОТПИСИ ЧЛАНОВА КОМИСИЈЕ

др Момчило Добродолац, редовни професор
Универзитет у Београду – Саобраћајни факултет

др Светлана Дабић-Милетић, редовни професор
Универзитет у Београду – Саобраћајни факултет

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Универзитет у Београду – Факултет организационих наука