DAFTAR PUSTAKA

Abdissa, G., Ayalew, A., Illés, C. B., & Dunay, A. (2021). Effects of corporate entrepreneurship dimensions on organizational performance: case of small and medium enterprises in Holeta town, Ethiopia. *Journal of Open Innovation: Technology, Market, and Complexity*, *7*(4). https://doi.org/10.3390/joitmc7040234

Abdullah, A., Saraswat, S., & Talib, F. (2023). Barriers and strategies for sustainable manufacturing implementation in SMEs: A hybrid fuzzy AHP-TOPSIS framework. *Sustainable Manufacturing and Service Economics*, *2*, 100012. https://doi.org/10.1016/j.smse.2023.100012

Adnan, Rasheed, A., Khan, S. U., Bilal, M., Chuan Ching, D. L., Ben Said, L., Mir, A., Kolsi, L., & Khan, I. (2024). Investigation of comparative entropy in different nanofluids inspired by solar radiations and unsteady effects: Model analysis for permeable channel. *Journal of Radiation Research and Applied Sciences*, *17*(4), 101158. https://doi.org/10.1016/j.jrras.2024.101158

Ahmad, N., Hasan, M. G., & Barbhuiya, R. K. (2021a). Identification and prioritization of strategies to tackle COVID-19 outbreak: A group-BWM based MCDM approach. *Applied Soft Computing*, *111*, 1–13. https://doi.org/10.1016/j.asoc.2021.107642

Ahmad, N., Hasan, M. G., & Barbhuiya, R. K. (2021b). Identification and prioritization of strategies to tackle COVID-19 outbreak: A group-BWM based MCDM approach. *Applied Soft Computing*, *111*. https://doi.org/10.1016/j.asoc.2021.107642

Aiken, L. R. (1980). Content validity and reliability of single items or questionnaires. *Educational and Psychological Measurement*, *40*(4), 955–959. https://doi.org/10.1177/001316448004000419

Aiken, L. R. (1985). *Three Coefficients for Analyzing the Reliability and Validity of Ratings*.

Akoglu, H. (2018). User's guide to correlation coefficients. In *Turkish Journal of Emergency Medicine* (Vol. 18, Issue 3, pp. 91–93). Emergency Medicine Association of Turkey. https://doi.org/10.1016/j.tjem.2018.08.001

Alamri, F. S., Saeed, M. H., & Saeed, M. (2024). A hybrid entropy-based economic evaluation of hydrogen generation techniques using Multi-Criteria Decision Making. *International Journal of Hydrogen Energy*, *49*, 711–723. https://doi.org/10.1016/j.ijhydene.2023.10.324

Alimohammadlou, M., & Alinejad, S. (2023). Challenges of blockchain implementation in SMEs' supply chains: an integrated IT2F-BWM and IT2F-DEMATEL method. *Electronic Commerce Research*. https://doi.org/10.1007/s10660-023-09696-3

Alimohammadlou, M., & Khoshsepehr, Z. (2022a). Investigating organizational sustainable development through an integrated method of interval-valued intuitionistic fuzzy AHP and WASPAS. *Environment,*

Development and Sustainability, *24*(2), 2193–2224. https://doi.org/10.1007/s10668-021-01525-7

Alimohammadlou, M., & Khoshsepehr, Z. (2022b). Investigating organizational sustainable development through an integrated method of interval-valued intuitionistic fuzzy AHP and WASPAS. *Environment, Development and Sustainability*, *24*(2), 2193–2224. https://doi.org/10.1007/s10668-021-01525-7

Anculle-Arauco, V., Krüger-Malpartida, H., Arevalo-Flores, M., Correa-Cedeño, L., Mass, R., Hoppe, W., & Pedraz-Petrozzi, B. (2024). Content validation using Aiken methodology through expert judgment of the first Spanish version of the Eppendorf Schizophrenia Inventory (ESI) in Peru: A brief qualitative report. *Spanish Journal of Psychiatry and Mental Health*, *17*(2), 110–113. https://doi.org/10.1016/j.rpsm.2022.11.004

Armenia, S., Angelini, M., Nonino, F., Palombi, G., & Schlitzer, M. F. (2021). A dynamic simulation approach to support the evaluation of cyber risks and security investments in SMEs. *Decision Support Systems*, *147*. https://doi.org/10.1016/j.dss.2021.113580

Aryafar, A., & Roshanravan, B. (2021a). BWM-SAW: A new hybrid MCDM technique for modeling of chromite potential in the Birjand district, east of Iran. *Journal of Geochemical Exploration*, *231*(January), 106876. https://doi.org/10.1016/j.gexplo.2021.106876

Aryafar, A., & Roshanravan, B. (2021b). BWM-SAW: A new hybrid MCDM technique for modeling of chromite potential in the Birjand district, east of Iran. *Journal of Geochemical Exploration*, *231*. https://doi.org/10.1016/j.gexplo.2021.106876

Asadi, M., Hashemkhani Zolfani, S., Pamucar, D., Salimi, J., & Saberi, S. (2023). The appropriation of blockchain implementation in the supply chain of SMES based on fuzzy LMAW. *Engineering Applications of Artificial Intelligence*, *123*. https://doi.org/10.1016/j.engappai.2023.106169

Badi, I., Pamučar, D., Stević, Ž., & Muhammad, L. J. (2023). Wind farm site selection using BWM-AHP-MARCOS method: A case study of Libya. *Scientific African*, *19*. https://doi.org/10.1016/j.sciaf.2022.e01511

Bahrami, S., & Rastegar, M. (2022). Security-based critical power distribution feeder identification: Application of fuzzy BWM-VIKOR and SECA. *International Journal of Electrical Power and Energy Systems*, *134*. https://doi.org/10.1016/j.ijepes.2021.107395

Balezentis, T., Siksnelyte-Butkiene, I., & Streimikiene, D. (2021). Stakeholder Involvement for Sustainable Energy Development Based on Uncertain Group Decision Making: Prioritizing the Renewable Energy Heating Technologies and the BWM-WASPAS-IN Approach. *Sustainable Cities and Society*, *73*. https://doi.org/10.1016/j.scs.2021.103114

Behzad, M., Hashemkhani Zolfani, S., Pamucar, D., & Behzad, M. (2020). A comparative assessment of solid waste management performance in the Nordic countries based on BWM-EDAS. *Journal of Cleaner Production*, *266*, 1–11. https://doi.org/10.1016/j.jclepro.2020.122008

Bhatti, S. H., Rashid, M., Arslan, A., Tarba, S., & Liu, Y. (2023a). Servitized SMEs' performance and the influences of sustainable procurement, packaging, and distribution: The mediating role of eco-innovation. *Technovation*, *127*, 1–12. https://doi.org/10.1016/j.technovation.2023.102831

Bhatti, S. H., Rashid, M., Arslan, A., Tarba, S., & Liu, Y. (2023b). Servitized SMEs' performance and the influences of sustainable procurement, packaging, and distribution: The mediating role of eco-innovation. *Technovation*, *127*, 1–12. https://doi.org/10.1016/j.technovation.2023.102831

Büyüközkan, G., Mukul, E., & Kongar, E. (2021). Health tourism strategy selection via SWOT analysis and integrated hesitant fuzzy linguistic AHP-MABAC approach. *Socio-Economic Planning Sciences*, *74*. https://doi.org/10.1016/j.seps.2020.100929

Canhoto, A. I., Quinton, S., Pera, R., Molinillo, S., & Simkin, L. (2021a). Digital strategy aligning in SMEs: A dynamic capabilities perspective. *Journal of Strategic Information Systems*, *30*(3), 1–17. https://doi.org/10.1016/j.jsis.2021.101682

Canhoto, A. I., Quinton, S., Pera, R., Molinillo, S., & Simkin, L. (2021b). Digital strategy aligning in SMEs: A dynamic capabilities perspective. *Journal of Strategic Information Systems*, *30*(3), 1–17. https://doi.org/10.1016/j.jsis.2021.101682

Chakravarthi, K. K., Shyamala, L., & Vaidehi, V. (2022). TOPSIS inspired cost-efficient concurrent workflow scheduling algorithm in cloud. *Journal of King Saud University - Computer and Information Sciences*, *34*(6), 2359–2369. https://doi.org/10.1016/j.jksuci.2020.02.006

Chatterjee, S., Chaudhuri, R., Shah, M., & Maheshwari, P. (2022). Big data driven innovation for sustaining SME supply chain operation in post COVID-19 scenario: Moderating role of SME technology leadership. *Computers and Industrial Engineering*, *168*. https://doi.org/10.1016/j.cie.2022.108058

Chen, Y., Yu, J., & Khan, S. (2013). The spatial framework for weight sensitivity analysis in AHP-based multi-criteria decision making. *Environmental Modelling and Software*, *48*, 129–140. https://doi.org/10.1016/j.envsoft.2013.06.010

Costa, A., Crupi, A., De Marco, C. E., & Di Minin, A. (2023). SMEs and open innovation: Challenges and costs of engagement. *Technological Forecasting and Social Change*, *194*, 1–15. https://doi.org/10.1016/j.techfore.2023.122731

Dehshiri, S. J. H., Emamat, M. S. M. M., & Amiri, M. (2022). A novel group BWM approach to evaluate the implementation criteria of blockchain technology in the automotive industry supply chain. *Expert Systems with Applications*, *198*. https://doi.org/10.1016/j.eswa.2022.116826

Demir, G., Chatterjee, P., & Pamucar, D. (2024). Sensitivity analysis in multi-criteria decision making: A state-of-the-art research perspective using bibliometric analysis. *Expert Systems with Applications*, *237*.

https://doi.org/10.1016/j.eswa.2023.121660

Dempster, A. (1967). Upper and Lower Probabilities Induced by a Multivalued Mapping. *Yager, R.R., Liu, L. (Eds) Classic Works of the Dempster-Shafer Theory of Belief Functions. Studies in Fuzziness and Soft Computing*, *219*. https://doi.org/https://doi.org/10.1007/978-3-540-44792-4_3

Deng, X., & Jiang, W. (2019). Evaluating Green Supply Chain Management Practices Under Fuzzy Environment: A Novel Method Based on D Number Theory. *International Journal of Fuzzy Systems*, *21*(5), 1389–1402. https://doi.org/10.1007/s40815-019-00639-5

Deng, Y. (2012a). D numbers: theory and applications. *Journal of Information and Computational Science*, *9*, 2421–2428.

Deng, Y. (2012b). D numbers: theory and applications. *Journal of Information and Computational Science*, *9*, 2421–2428.

Dong, Y., Cheng, X., Xu, Z., & Ma, T. (2024). Multi-criteria group decision-making methods with dynamic probabilistic linguistic information characterized by multiple consecutive time points. *International Journal of Machine Learning and Cybernetics*, *15*(4), 1277–1293. https://doi.org/10.1007/s13042-023-01967-7

Ecer, F., & Pamucar, D. (2020). Sustainable supplier selection: A novel integrated fuzzy best worst method (F-BWM) and fuzzy CoCoSo with Bonferroni (CoCoSo'B) multi-criteria model. *Journal of Cleaner Production*, *266*, 1–18. https://doi.org/10.1016/j.jclepro.2020.121981

Fard, B. M., Hamidi, D., Ebadi, M., Alavi, J., & Mckay, G. (2022). Optimum landfill site selection by a hybrid multi-criteria and multi-Agent decision-making method in a temperate and humid climate: BWM-GIS-FAHP-GT. *Sustainable Cities and Society*, *79*. https://doi.org/10.1016/j.scs.2021.103641

Febriani, A., Sopha, B. M., & Arif Wibisono, M. (2025). Dynamic capabilities for omnichannel transformation in MSMEs: A comparative case study of fashion and furniture sectors. *Journal of Open Innovation: Technology, Market, and Complexity*, *11*(1). https://doi.org/10.1016/j.joitmc.2025.100498

Ferdiansyah, E. R., Rochim, A. F., & Syafei, W. A. (2023). Forecasting LTE Network Traffic Using Hot-Winter's Multiplicative Seasonal Method and Rolling Forecasting for Telecommunication Company Investment Optimization in Indonesia. *International Journal of Intelligent Engineering and Systems*, *16*(6), 185–197. https://doi.org/10.22266/ijies2023.1231.16

Gaitero, D., Genero, M., & Piattini, M. (2021). System quality and security certification in seven weeks: A multi-case study in Spanish SMEs. *Journal of Systems and Software*, *178*. https://doi.org/10.1016/j.jss.2021.110960

Gogtay, N. J., & Thatte, U. M. (2017). Principles of Correlation Analysis. In *Journal of The Association of Physicians of India* ■ (Vol. 65).

Gong, J. W., Liu, H. C., You, X. Y., & Yin, L. (2021). An integrated multi-

criteria decision making approach with linguistic hesitant fuzzy sets for E-learning website evaluation and selection. *Applied Soft Computing*, *102*. https://doi.org/10.1016/j.asoc.2021.107118

Gul, M., & Yucesan, M. (2022). Performance evaluation of Turkish Universities by an integrated Bayesian BWM-TOPSIS model. *Socio-Economic Planning Sciences*, *80*. https://doi.org/10.1016/j.seps.2021.101173

Gunduz, M. A., Demir, S., & Paksoy, T. (2021). Matching functions of supply chain management with smart and sustainable Tools: A novel hybrid BWM-QFD based method. *Computers and Industrial Engineering*, *162*. https://doi.org/10.1016/j.cie.2021.107676

Hadi Mousavi-Nasab, S., & Sotoudeh-Anvari, A. (2020). An extension of best-worst method with D numbers: Application in evaluation of renewable energy resources. *Sustainable Energy Technologies and Assessments*, *40*, 1–18. https://doi.org/10.1007/s41066-024-00462-w

Hakim, D. K., Gernowo, R., Nirwansyah, A. W., & Haryanto, T. (2025). Data Mining Approach for River Flood Hazard Time-Series: Using a Combination of Triple Exponential Smoothing and Neural Networks, in Demak. *Informatica*, *49*(19). https://doi.org/10.31449/inf.v49i19.7288

Haktanır, E., & Kahraman, C. (2024). Integrated AHP & TOPSIS methodology using intuitionistic Z-numbers: An application on hydrogen storage technology selection. *Expert Systems with Applications*, *239*, 122382. https://doi.org/10.1016/j.eswa.2023.122382

Hasanzadeh, R., Mojaver, P., Khalilarya, S., & Azdast, T. (2023). Air co-gasification process of LDPE/HDPE waste based on thermodynamic modeling: Hybrid multi-criteria decision-making techniques with sensitivity analysis. *International Journal of Hydrogen Energy*, *48*(6), 2145–2160. https://doi.org/10.1016/j.ijhydene.2022.10.101

Hendalianpour, A., Fakhrabadi, M., Zhang, X., Feylizadeh, M. R., Gheisari, M., Liu, P., & Ashktorab, N. (2019). Hybrid Model of IVFRN-BWM and Robust Goal Programming in Agile and Flexible Supply Chain, a Case Study: Automobile Industry. *IEEE Access*, *7*, 71481–71492. https://doi.org/10.1109/ACCESS.2019.2915309

Huang, G., Xiao, L., Pedrycz, W., Pamucar, D., Zhang, G., & Martínez, L. (2022). Design alternative assessment and selection: A novel Z-cloud rough number-based BWM-MABAC model. *Information Sciences*, *603*, 149–189. https://doi.org/10.1016/j.ins.2022.04.040

Ingaldi, M., & Klimecka-Tatar, D. (2022). Digitization of the service provision process - Requirements and readiness of the small and medium-sized enterprise sector. *Procedia Computer Science*, *200*, 237–246. https://doi.org/10.1016/j.procs.2022.01.222

Isnanto, R. R., Widodo, C. E., Windasari, I. P., & Saputri, M. P. (2023). Developing an Expert System for Mobile-based Gastroenteritis Detection Using ESDLC and Best First Search Methods. *2023 8th International Conference on Informatics and Computing, ICIC 2023*. https://doi.org/10.1109/ICIC60109.2023.10382102

Kahraman, C. (2020). Integration of fuzzy AHP with other fuzzy multicriteria methods: A state of the art survey. *Journal of Multiple-Valued Logic and Soft Computing*, *35*(1), 61–92.

Koohathongsumrit, N., & Chankham, W. (2023). Route selection in multimodal supply chains: A fuzzy risk assessment model-BWM-MARCOS framework. *Applied Soft Computing*, *137*. https://doi.org/10.1016/j.asoc.2023.110167

Kulkarni, A. V., Joseph, S., & Patil, K. P. (2024). Artificial intelligence technology readiness for social sustainability and business ethics: Evidence from MSMEs in developing nations. *International Journal of Information Management Data Insights*, *4*(2). https://doi.org/10.1016/j.jjimei.2024.100250

Kumar, S., Goel, U., Joshi, P., & Johri, A. (2024). Factors affecting Information & Communication Technology (ICT) adoption among MSMEs. *Journal of Open Innovation: Technology, Market, and Complexity*, *10*(1). https://doi.org/10.1016/j.joitmc.2023.100205

Kwak, K., Kim, D., & Heo, C. (2023). Sustainable innovation in a low- and medium-tech sector: Evidence from an SME in the footwear industry. *Journal of Cleaner Production*, *397*. https://doi.org/10.1016/j.jclepro.2023.136399

Lai, H., & Liao, H. (2021). A multi-criteria decision making method based on DNMA and CRITIC with linguistic D numbers for blockchain platform evaluation. *Engineering Applications of Artificial Intelligence*, *101*. https://doi.org/10.1016/j.engappai.2021.104200

Le, T. T. (2022). How humane entrepreneurship fosters sustainable supply chain management for a circular economy moving towards sustainable corporate performance. *Journal of Cleaner Production*, *368*. https://doi.org/10.1016/j.jclepro.2022.133178

Liu, P. (2020). A normal wiggly hesitant fuzzy linguistic projection-based multiattributive border approximation area comparison method. *International Journal of Intelligent Systems*, *35*(3), 432–469. https://doi.org/10.1002/int.22213

Liu, P., & Zhang, X. (2019). A Multicriteria Decision-Making Approach with Linguistic D Numbers Based on the Choquet Integral. *Cognitive Computation*, *11*(4), 560–575. https://doi.org/10.1007/s12559-019-09641-3

Liu, P., & Zhang, X. (2020). A novel approach to multi-criteria group decision-making problems based on linguistic D numbers. *Computational and Applied Mathematics*, *39*(2). https://doi.org/10.1007/s40314-020-1132-x

Liu, P., Zhu, B., & Wang, P. (2021a). A weighting model based on best–worst method and its application for environmental performance evaluation. *Applied Soft Computing*, *103*. https://doi.org/10.1016/j.asoc.2021.107168

Liu, P., Zhu, B., & Wang, P. (2021b). A weighting model based on best–worst method and its application for environmental performance evaluation. *Applied Soft Computing*, *103*, 1–16.

https://doi.org/10.1016/j.asoc.2021.107168

Liu, S., Hu, Y., Zhang, X., Li, Y., & Liu, L. (2020). Blockchain Service Provider Selection Based on an Integrated BWM-Entropy-TOPSIS Method under an Intuitionistic Fuzzy Environment. *IEEE Access*, *8*, 104148–104164. https://doi.org/10.1109/ACCESS.2020.2999367

Liu, T., Yu, Z., Xiao, F., Zhao, Y., & Aritsugi, M. (2024). A fractal-based supremum and infimum complex belief entropy in complex evidence theory. *Chinese Journal of Aeronautics*, 103350. https://doi.org/10.1016/j.cja.2024.103350

Liu, Z., Sampaio, P., Pishchulov, G., Mehandjiev, N., Cisneros-Cabrera, S., Schirrmann, A., Jiru, F., & Bnouhanna, N. (2022a). The architectural design and implementation of a digital platform for Industry 4.0 SME collaboration. *Computers in Industry*, *138*, 1–24. https://doi.org/10.1016/j.compind.2022.103623

Liu, Z., Sampaio, P., Pishchulov, G., Mehandjiev, N., Cisneros-Cabrera, S., Schirrmann, A., Jiru, F., & Bnouhanna, N. (2022b). The architectural design and implementation of a digital platform for Industry 4.0 SME collaboration. *Computers in Industry*, *138*, 1–24. https://doi.org/10.1016/j.compind.2022.103623

Ma, C., & Cheok, M. Y. (2022). The impact of financing role and organizational culture in small and medium enterprises: Developing business strategies for economic recovery. *Economic Analysis and Policy*, *75*, 26–38. https://doi.org/10.1016/j.eap.2022.04.009

Ma, X., Qin, J., Martínez, L., & Pedrycz, W. (2023). A linguistic information granulation model based on best-worst method in decision making problems. *Information Fusion*, *89*, 210–227. https://doi.org/10.1016/j.inffus.2022.08.015

Maksum, I. R., Sri Rahayu, A. Y., & Kusumawardhani, D. (2020). A social enterprise approach to empowering micro, small and medium enterprises (SMEs) in Indonesia. *Journal of Open Innovation: Technology, Market, and Complexity*, *6*(3), 1–17. https://doi.org/10.3390/joitmc6030050

Mariadoss, S., & Augustin, F. (2023). Enhanced sugeno fuzzy inference system with fuzzy AHP and coefficient of variation to diagnose cardiovascular disease during pregnancy. *Journal of King Saud University - Computer and Information Sciences*, *35*(8), 2–25. https://doi.org/10.1016/j.jksuci.2023.101659

Markovic, S., Koporcic, N., Arslanagic-Kalajdzic, M., Kadic-Maglajlic, S., Bagherzadeh, M., & Islam, N. (2021). Business-to-business open innovation: COVID-19 lessons for small and medium-sized enterprises from emerging markets. *Technological Forecasting and Social Change*, *170*, 1–5. https://doi.org/10.1016/j.techfore.2021.120883

Masoomi, B., Sahebi, I. G., Fathi, M., Yıldırım, F., & Ghorbani, S. (2022a). Strategic supplier selection for renewable energy supply chain under green capabilities (fuzzy BWM-WASPAS-COPRAS approach). *Energy Strategy Reviews*, *40*, 1–17. https://doi.org/10.1016/j.esr.2022.100815

Masoomi, B., Sahebi, I. G., Fathi, M., Yıldırım, F., & Ghorbani, S. (2022b).

Strategic supplier selection for renewable energy supply chain under green capabilities (fuzzy BWM-WASPAS-COPRAS approach). *Energy Strategy Reviews*, *40*. https://doi.org/10.1016/j.esr.2022.100815

Mendes, A. C. S., Ferreira, F. A. F., Kannan, D., Ferreira, N. C. M. Q. F., & Correia, R. J. C. (2022a). A BWM approach to determinants of sustainable entrepreneurship in small and medium-sized enterprises. *Journal of Cleaner Production*, *371*, 1–11. https://doi.org/10.1016/j.jclepro.2022.133300

Mendes, A. C. S., Ferreira, F. A. F., Kannan, D., Ferreira, N. C. M. Q. F., & Correia, R. J. C. (2022b). A BWM approach to determinants of sustainable entrepreneurship in small and medium-sized enterprises. *Journal of Cleaner Production*, *371*. https://doi.org/10.1016/j.jclepro.2022.133300

Mi, X., Tian, Y., & Kang, B. (2021). A hybrid multi-criteria decision making approach for assessing health-care waste management technologies based on soft likelihood function and D-numbers. *Applied Intelligence*, *51*(10), 6708–6727. https://doi.org/10.1007/s10489-020-02148-7

Mishra, A. R., Rani, P., Alrasheedi, A. F., & Dwivedi, R. (2023). Evaluating the blockchain-based healthcare supply chain using interval-valued Pythagorean fuzzy entropy-based decision support system. *Engineering Applications of Artificial Intelligence*, *126*. https://doi.org/10.1016/j.engappai.2023.107112

Mulchandani, K., Jasrotia, S. S., & Mulchandani, K. (2023). Determining supply chain effectiveness for Indian MSMEs: A structural equation modelling approach. *Asia Pacific Management Review*, *28*(2), 90–98. https://doi.org/10.1016/j.apmrv.2022.04.001

Muravev, D., & Mijic, N. (2020). A novel integrated provider selection multicriteria model: The bwm-mabac model. *Decision Making: Applications in Management and Engineering*, *3*(1), 60–78. https://doi.org/10.31181/dmame2003078m

Nugraha, D. P., Setiawan, B., Nathan, R. J., & Fekete-Farkas, M. (2022). Fintech Adoption Drivers for Innovation for SMEs in Indonesia. *Journal of Open Innovation: Technology, Market, and Complexity*, *8*(4), 1–16. https://doi.org/10.3390/joitmc8040208

Okolo, V. O., Ohanagorom, M. I., Okocha, E. R., Muoneke, O. B., & Okere, K. I. (2023). Does financing SMEs guarantee inclusive growth and environmental sustainability in the European union? *Heliyon*, *9*(4). https://doi.org/10.1016/j.heliyon.2023.e15095

Omrani, H., Valipour, M., & Emrouznejad, A. (2021). A novel best worst method robust data envelopment analysis: Incorporating decision makers' preferences in an uncertain environment. *Operations Research Perspectives*, *8*. https://doi.org/10.1016/j.orp.2021.100184

Pamučar, D., Puška, A., Stević, Ž., & Ćirović, G. (2021a). A new intelligent MCDM model for HCW management: The integrated BWM–MABAC model based on D numbers. *Expert Systems with Applications*, *175*, 1–20. https://doi.org/10.1016/j.eswa.2021.114862

Pamučar, D., Puška, A., Stević, Ž., & Ćirović, G. (2021b). A new intelligent MCDM model for HCW management: The integrated BWM–MABAC model based on D numbers. *Expert Systems with Applications*, *175*. https://doi.org/10.1016/j.eswa.2021.114862

Peng, N., Zhang, C., Zhu, Y., Zhang, Y., Sun, B., Wang, F., Huang, J., & Wu, T. (2024). A vulnerability evaluation method of earthen sites based on entropy weight-TOPSIS and K-means clustering. *Heritage Science*, *12*(1), 1–13. https://doi.org/10.1186/s40494-024-01273-7

Petrudi, S. H. H., Ghomi, H., & Mazaheriasad, M. (2022). An Integrated Fuzzy Delphi and Best Worst Method (BWM) for performance measurement in higher education. *Decision Analytics Journal*, *4*. https://doi.org/10.1016/j.dajour.2022.100121

Prabowo, R., Singgih, M. L., Karningsih, P. D., & Widodo, E. (2020). New product development from inactive problem perspective in indonesian SMEs to open innovation. *Journal of Open Innovation: Technology, Market, and Complexity*, *6*(1), 1–20. https://doi.org/10.3390/joitmc6010020

Pylaeva, I. S., Podshivalova, M. V., Alola, A. A., Podshivalov, D. V., & Demin, A. A. (2022). A new approach to identifying high-tech manufacturing SMEs with sustainable technological development: Empirical evidence. *Journal of Cleaner Production*, *363*. https://doi.org/10.1016/j.jclepro.2022.132322

Rezaei, J. (2015a). Best-worst multi-criteria decision-making method. *Omega*, *53*, 49–57. https://www.sciencedirect.com/science/article/pii/S0305048314001480

Rezaei, J. (2015b). Best-worst multi-criteria decision-making method. *Omega (United Kingdom)*, *53*, 49–57. https://doi.org/10.1016/j.omega.2014.11.009

Rezaei, J. (2015c). Best-worst multi-criteria decision-making method. *Omega*, *53*, 49–57. https://doi.org/https://doi.org/10.1016/j.omega.2014.11.009

Rezaei, J. (2016). Best-worst multi-criteria decision-making method: Some properties and a linear model. *Omega (United Kingdom)*, *64*, 126–130. https://doi.org/10.1016/j.omega.2015.12.001

Riahi, S., Bahroudi, A., Abedi, M., Lentz, D. R., & Aslani, S. (2023). Application of data-driven multi-index overlay and BWM-MOORA MCDM methods in mineral prospectivity mapping of porphyry Cu mineralization. *Journal of Applied Geophysics*, *213*. https://doi.org/10.1016/j.jappgeo.2023.105025

Roy, P. K., & Shaw, K. (2021). A multicriteria credit scoring model for SMEs using hybrid BWM and TOPSIS. *Financial Innovation*, *7*(1), 1–27. https://doi.org/10.1186/s40854-021-00295-5

Salimi, P. S., & Edalatpanah, S. A. (2020). Supplier selection using fuzzy AHP method and D-Numbers. *Journal of Fuzzy Extension and Applications*, *1*, 1–14. https://doi.org/10.22105/jfea.2020.248437.1007

Samputra, P. L., & Alfarizi, M. (2025). Can advanced society 5.0 technology create economic and social value for millennial and generation Z MSMEs

in Surabaya, Indonesia? An economic resilience perspective. *Asia Pacific Management Review*. https://doi.org/10.1016/j.apmrv.2025.100355

Santolin, R. B., Hameed, H. Bin, Urbinati, A., & Lazzarotti, V. (2023). Exploiting circular economy enablers for SMEs to advance towards a more sustainable development: An empirical study in the post COVID-19 era. *Resources, Conservation and Recycling Advances*, *19*. https://doi.org/10.1016/j.rcradv.2023.200164

Satı, Z. E. (2024). Comparison of the criteria affecting the digital innovation performance of the European Union (EU) member and candidate countries with the entropy weight-TOPSIS method and investigation of its importance for SMEs. *Technological Forecasting and Social Change*, *200*, 1–20. https://doi.org/10.1016/j.techfore.2023.123094

Seiti, H., Hafezalkotob, A., Najafi, S. E., & Khalaj, M. (2019). Developing a novel risk-based MCDM approach based on D numbers and fuzzy information axiom and its applications in preventive maintenance planning. *Applied Soft Computing Journal*, *82*. https://doi.org/10.1016/j.asoc.2019.105559

Sepehri, M., Linh, N. T. T., Pouya, H. N., Bahramloo, R., Sadeghian, J., Ghermezcheshme, B., Talebi, A., Peyrovan, H., & Thanh, P. N. (2023). Developing a new multi-criteria decision-making for flood prioritization of sub-watersheds using concept of D numbers. *Acta Geophysica*. https://doi.org/10.1007/s11600-023-01119-z

Shafer, G. (1976). A mathematical theory of evidence. *Princeton University Press*, *42*.

Shang, Z., Yang, X., Barnes, D., & Wu, C. (2022). Supplier selection in sustainable supply chains: Using the integrated BWM, fuzzy Shannon entropy, and fuzzy MULTIMOORA methods. *Expert Systems with Applications*, *195*. https://doi.org/10.1016/j.eswa.2022.116567

Shenoy, P. P. (2023). Making inferences in incomplete Bayesian networks: A Dempster-Shafer belief function approach. *International Journal of Approximate Reasoning*, *160*, 108967. https://doi.org/10.1016/j.ijar.2023.108967

Spearman, C. (2010). The proof and measurement of association between two things. *International Journal of Epidemiology*, *39*(5), 1137–1150. https://doi.org/10.1093/ije/dyq191

Svadlenka, L., Simic, V., Dobrodolac, M., Lazarevic, D., & Todorovic, G. (2020). Picture Fuzzy Decision-Making Approach for Sustainable Last-Mile Delivery. *IEEE Access*, *8*, 209393–209414. https://doi.org/10.1109/ACCESS.2020.3039010

Tanrıverdi, G., Ecer, F., & Durak, M. Ş. (2022). Exploring factors affecting airport selection during the COVID-19 pandemic from air cargo carriers' perspective through the triangular fuzzy Dombi-Bonferroni BWM methodology. *Journal of Air Transport Management*, *105*(September). https://doi.org/10.1016/j.jairtraman.2022.102302

Teerasoponpong, S., & Sopadang, A. (2022). Decision support system for adaptive sourcing and inventory management in small- and medium-

sized enterprises. *Robotics and Computer-Integrated Manufacturing*, *73*. https://doi.org/10.1016/j.rcim.2021.102226

Thakur, P., Kaczynska, A., Gandotra, N., Saini, N., & Salabun, W. (2022). The Application of the New Pythagorean Fuzzy Entropy to Decision-Making using Linguistic Terms. *Procedia Computer Science*, *207*, 4525–4534. https://doi.org/10.1016/j.procs.2022.09.516

Torkayesh, A. E., Pamucar, D., Ecer, F., & Chatterjee, P. (2021a). An integrated BWM-LBWA-CoCoSo framework for evaluation of healthcare sectors in Eastern Europe. *Socio-Economic Planning Sciences*, *78*. https://doi.org/10.1016/j.seps.2021.101052

Torkayesh, A. E., Pamucar, D., Ecer, F., & Chatterjee, P. (2021b). An integrated BWM-LBWA-CoCoSo framework for evaluation of healthcare sectors in Eastern Europe. *Socio-Economic Planning Sciences*, *78*(September 2020), 101052. https://doi.org/10.1016/j.seps.2021.101052

Torkayesh, A. E., Zolfani, S. H., Kahvand, M., & Khazaelpour, P. (2021). Landfill location selection for healthcare waste of urban areas using hybrid BWM-grey MARCOS model based on GIS. *Sustainable Cities and Society*, *67*. https://doi.org/10.1016/j.scs.2021.102712

Urbani, M., Gasparini, G., & Brunelli, M. (2023). A numerical comparative study of uncertainty measures in the Dempster–Shafer evidence theory. *Information Sciences*, *639*. https://doi.org/10.1016/j.ins.2023.119027

Vaezi, A., Rabbani, E., & Yazdian, S. A. (2024a). Blockchain-integrated sustainable supplier selection and order allocation: A hybrid BWM-MULTIMOORA and bi-objective programming approach. *Journal of Cleaner Production*, *444*, 1–20. https://doi.org/10.1016/j.jclepro.2024.141216

Vaezi, A., Rabbani, E., & Yazdian, S. A. (2024b). Blockchain-integrated sustainable supplier selection and order allocation: A hybrid BWM-MULTIMOORA and bi-objective programming approach. *Journal of Cleaner Production*, *444*, 1–20. https://doi.org/10.1016/j.jclepro.2024.141216

Vieira, F. C., Ferreira, F. A. F., Govindan, K., Ferreira, N. C. M. Q. F., & Banaitis, A. (2022). Measuring urban digitalization using cognitive mapping and the best worst method (BWM). *Technology in Society*, *71*. https://doi.org/10.1016/j.techsoc.2022.102131

Wang, C. N., Nguyen, N. A. T., Dang, T. T., & Hsu, H. P. (2021). Evaluating Sustainable Last-Mile Delivery (LMD) in B2C E-Commerce Using Two-Stage Fuzzy MCDM Approach: A Case Study from Vietnam. *IEEE Access*, *9*, 146050–146067. https://doi.org/10.1109/ACCESS.2021.3121607

Wang, M., Tian, Y., & Zhang, K. (2023). The fuzzy Weighted Influence Nonlinear Gauge System method extended with D numbers and MICMAC. *Complex and Intelligent Systems*, *9*(1), 719–731. https://doi.org/10.1007/s40747-022-00832-4

Wang, Y., Shi, F., Zhao, C., & Zhou, X. (2022). Identifying groundwater

resilience zones in an arid inland basin using GIS-based Dempster-Shafer theory. *Journal of Hydrology: Regional Studies*, *44*. https://doi.org/10.1016/j.ejrh.2022.101232

Wijaya, L. I., Zunairoh, Z., Izharuddin, M., & Rianawati, A. (2025). Scope of E-Commerce use, innovation capability, and performance: Food sector MSMEs in Indonesia. *Journal of Open Innovation: Technology, Market, and Complexity*, *11*(1). https://doi.org/10.1016/j.joitmc.2024.100459

Wiraguna, A., Rokhim, R., Wibowo, B., & Sembel, R. (2024). Dataset on direct and indirect effects of MSME loan securitization issuances on stability of banks. *Data in Brief*, *54*. https://doi.org/10.1016/j.dib.2024.110437

Wu, J., Wang, H., Wang, W., & Zhang, Q. (2019). Performance evaluation for sustainability of wind energy project using improved multi-criteria decision-making method. *Journal of Modern Power Systems and Clean Energy*, *7*(5), 1165–1176. https://doi.org/10.1007/s40565-019-0517-6

Wu, Y., Yong, X., Tao, Y., Zhou, J., He, J., Chen, W., & Yang, Y. (2022). Investment monitoring key points identification model of big science research infrastructures – Fuzzy BWM-entropy-PROMETHEE II method. *Socio-Economic Planning Sciences*. https://doi.org/10.1016/j.seps.2022.101461

Wu, Y., Yong, X., Tao, Y., Zhou, J., He, J., Chen, W., & Yang, Y. (2023). Investment monitoring key points identification model of big science research infrastructures – Fuzzy BWM-entropy-PROMETHEE II method. *Socio-Economic Planning Sciences*, *86*, 1–15. https://doi.org/10.1016/j.seps.2022.101461

Wu, Z., Zhang, S., Liu, X., & Wu, J. (2019). Best-worst multi-attribute decision making method based on new possibility degree with probabilistic linguistic information. *IEEE Access*, *7*, 133900–133913. https://doi.org/10.1109/ACCESS.2019.2941821

Wulf, D., & Bertsch, V. (2017). A natural language generation approach to support understanding and traceability of multi-dimensional preferential sensitivity analysis in multi-criteria decision making. *Expert Systems with Applications*, *83*, 131–144. https://doi.org/10.1016/j.eswa.2017.04.041

Xiao, F. (2019). A Multiple-Criteria Decision-Making Method Based on D Numbers and Belief Entropy. *International Journal of Fuzzy Systems*, *21*(4), 1144–1153. https://doi.org/10.1007/s40815-019-00620-2

Xu, L., Wang, J., Ou, Y., Fu, Y., & Bian, X. (2022). A novel decision-making system for selecting offshore wind turbines with PCA and D numbers. *Energy*, *258*. https://doi.org/10.1016/j.energy.2022.124818

xue, A. da, & xue, D. da. (2020). A satisfaction degree of D numbers and its application in multi-criteria decision making. *IEEE Control Systems Society*, 5297–5302. https://doi.org/10.1109/CCDC49329.2020.9163970

Yadegaridehkordi, E., Foroughi, B., Iranmanesh, M., Nilashi, M., & Ghobakhloo, M. (2023). Determinants of environmental, financial, and social sustainable performance of manufacturing SMEs in Malaysia. *Sustainable Production and Consumption*, *35*, 129–140.

https://doi.org/10.1016/j.spc.2022.10.026

Yin, C., Jiang, C., Jain, H. K., & Wang, Z. (2020). Evaluating the credit risk of SMEs using legal judgments. *Decision Support Systems*, *136*. https://doi.org/10.1016/j.dss.2020.113364

Yousuf Ali, M., & Rahman, M. (2024). Statistical analysis of periodic MHD chemically radiative casson flow over an inclined cylinder with entropy optimization. *Heliyon*, *10*(22). https://doi.org/10.1016/j.heliyon.2024.e40021

Yunus, E. N., Ernawati, E., Nuraini, E., & Yuniarti, K. (2025). Post-crisis growth: Resource orchestration, innovation, and diversification in MSMEs. *Journal of Open Innovation: Technology, Market, and Complexity*, *11*(2). https://doi.org/10.1016/j.joitmc.2025.100570

Yusoff, M. S. B. (2019). ABC of Content Validation and Content Validity Index Calculation. *Education in Medicine Journal*, *11*(2), 49–54. https://doi.org/10.21315/eimj2019.11.2.6

Zeb, A., & Ihsan, A. (2020a). Innovation and the entrepreneurial performance in women-owned small and medium-sized enterprises in Pakistan. *Women's Studies International Forum*, *79*. https://doi.org/10.1016/j.wsif.2020.102342

Zeb, A., & Ihsan, A. (2020b). Innovation and the entrepreneurial performance in women-owned small and medium-sized enterprises in Pakistan. *Women's Studies International Forum*, *79*, 1–8. https://doi.org/10.1016/j.wsif.2020.102342

Zeng, W., Yi, G., Zhang, S., & Wang, Z. (2024). Multi-objective optimization method of injection molding process parameters based on hierarchical sampling and comprehensive entropy weights. *International Journal of Advanced Manufacturing Technology*, *133*, 1481–1499. https://doi.org/10.1007/s00170-024-13848-6

Zhang, H., Wang, X., Xu, W., & Dong, Y. (2023). From numerical to heterogeneous linguistic best–worst method: Impacts of personalized individual semantics on consistency and consensus. *Engineering Applications of Artificial Intelligence*, *117*. https://doi.org/10.1016/j.engappai.2022.105495

Zhang, Q., Wang, P., Pedrycz, W., & Li, Z. (2024). Neighborhood entropy guided by a decision attribute and its applications in multi-source information fusion and attribute selection. *Applied Soft Computing*, *167*. https://doi.org/10.1016/j.asoc.2024.112380

Zhang, S., Mao, Y., Liu, F., Xu, H., Qu, Z., & Liao, X. (2023). Multi-objective optimization and evaluation of PEMFC performance based on orthogonal experiment and entropy weight method. *Energy Conversion and Management*, *291*, 1–11. https://doi.org/10.1016/j.enconman.2023.117310

Zhang, X., Ma, Y., Li, Y., Zhang, C., & Jia, C. (2023). Tension prediction for the scraper chain through multi-sensor information fusion based on improved Dempster-Shafer evidence theory. *Alexandria Engineering Journal*, *64*, 41–54. https://doi.org/10.1016/j.aej.2022.08.039

Zhang, Z., Li, M., & Zhang, Q. (2024). A clustering coefficient structural entropy of complex networks. *Physica A: Statistical Mechanics and Its Applications*, *655*. https://doi.org/10.1016/j.physa.2024.130170

Zhou, J., Su, X., & Qian, H. (2020a). Risk Assessment on Offshore Photovoltaic Power Generation Projects in China Using D Numbers and ANP. *IEEE Access*, *8*, 144704–144717. https://doi.org/10.1109/ACCESS.2020.3014405

Zhou, J., Su, X., & Qian, H. (2020b). Risk Assessment on Offshore Photovoltaic Power Generation Projects in China Using D Numbers and ANP. *IEEE Access*, *8*, 144704–144717. https://doi.org/10.1109/ACCESS.2020.3014405

Zhu, Y., Tian, D., & Yan, F. (2020). Effectiveness of Entropy Weight Method in Decision-Making. *Mathematical Problems in Engineering*, *2020*, 1–5. https://doi.org/10.1155/2020/3564835