

Retraction

Following an investigation in line with the guidance issued by COPE, the publisher retracts the following articles after determining that the peer review process underlying the articles was inadequate. We have no evidence to suggest authors were involved. The corresponding authors have been informed of this decision using the corresponding author's email addresses.

The Publisher acknowledges the anonymous volunteers on PubPeer whose observations complemented our internal investigation.

List of retracted articles

Jidong Guo, Heyan Jiao (2023). Quick prediction of seismic casualties using fuzzy Case-Based Reasoning technology. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1743-1753. <https://doi.org/10.3233/jifs-212183>

Anita Maria da Rocha Fernandes, Mateus Junior Cassaniga, Bianka Tallita Passos, Eros Comunello, Stefano Frizzo Stefenon, Valderi Reis Quietinho Leithardt (2023). Detection and classification of cracks and potholes in road images using texture descriptors. *Journal of Intelligent & Fuzzy Systems*, 44(6), 10255-10274. <https://doi.org/10.3233/jifs-223218>

S. Thilagavathi, C. GeethaPriya (2023). A Contemporary approach to review clustering algorithms in wireless sensor networks. *Journal of Intelligent & Fuzzy Systems*, 44(1), 573-593. <https://doi.org/10.3233/jifs-210858>

Ming Wang (2023). A new QoS-aware service composition technique in cloud computing using capuchin search algorithm. *Journal of Intelligent & Fuzzy Systems*, 45(6), 10985-10996. <https://doi.org/10.3233/jifs-224523>

Vladimir V. Bochkarev, Yulia S. Maslennikova, Anna V. Shevlyakova (2022). Testing of statistical significance of semantic changes detected by diachronic word embedding. *Journal of Intelligent & Fuzzy Systems*, 43(6), 6965-6977. <https://doi.org/10.3233/jifs-212179>

Márton György Almásy, András Hörömpő, Dániel Kiss, Gábor Kertész (2022). A review on modeling tumor dynamics and agent reward functions in reinforcement learning based therapy optimization. *Journal of Intelligent & Fuzzy Systems*, 43(6), 6939-6946. <https://doi.org/10.3233/jifs-212351>

László Pokorádi, Sinan Kocak, Edit Tóth-Laufer (2022). Layer-specific evaluation-based Hierarchical Fuzzy Failure Mode and Effect Analysis. *Journal of Intelligent & Fuzzy Systems*, 43(6), 6917-6923. <https://doi.org/10.3233/jifs-212664>

Emmanuel Tavares, Alisson Marques Silva, Gray Farias Moita (2022). A fast clustering algorithm for evolving fuzzy classifier based on samples mean. *Journal of Intelligent & Fuzzy Systems*, 43(6), 6897-6908. <https://doi.org/10.3233/jifs-212831>

Fazlourrahman Balouchzahi, Hosahalli Lakshmaiah Shashirekha, Grigori Sidorov, Alexander Gelbukh (2022). A comparative study of syllables and character level N-grams for Dravidian multi-script and code-mixed offensive language identification. *Journal of Intelligent & Fuzzy Systems*, 43(6), 6995-7005. <https://doi.org/10.3233/jifs-212872>

Nail Adeeb Ali Abdu, Zhaoshun Wang (2022). Grid based blockchain framework for information management in surgical process proceedings. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5325-5335. <https://doi.org/10.3233/jifs-213414>

B. Anusha, P. Geetha, A. Kannan (2022). Parkinson's disease identification in homo sapiens based on hybrid ResNet-SVM and resnet-fuzzy svm models. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2711-2729. <https://doi.org/10.3233/jifs-220271>

Dursun Ekmekci, Shahnaz N. Shahbazova (2022). Genetic algorithm-based adaptive weighted fuzzy logic control (awFLC) for traction power control. *Journal of Intelligent & Fuzzy Systems*, 43(6), 6909-6916. <https://doi.org/10.3233/jifs-220753>

K. Vidhya, K. Krishnamoorthi (2024). Power harvesting enhancement from PV array and power quality improvement in grid connected PV interleaved inverter using hybrid LSE-WHO approach. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3843-3865. <https://doi.org/10.3233/jifs-221561>

Dliouah Ahmed, Binxiang Dai, Ahmed Mostafa Khalil (2023). Possibility Fermatean fuzzy soft set and its application in decision-making. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1565-1574. <https://doi.org/10.3233/jifs-221614>

Sudhakaran Periakaruppan, N. Shanmugapriya, Rajeswari Sivan (2023). Self-attention generative adversarial capsule network optimized with atomic orbital search algorithm based sentiment analysis for online product recommendation. *Journal of Intelligent & Fuzzy Systems*, 44(6), 9347-9362. <https://doi.org/10.3233/jifs-222537>

Sashikanta Prusty, Priti Das, Sujit Kumar Dash, Srikanta Patnaik, Sushree Gayatri Priyadarsini Prusty (2023). Prediction of Breast cancer using integrated machine learning-fuzzy and dimension reduction techniques. *Journal of Intelligent & Fuzzy Systems*, 45(1), 1633-1652. <https://doi.org/10.3233/jifs-223265>

Mohammed M. Nasef, Passent M. El Kafrawy, Amal Hashim (2024). An improved clustering method using particle swarm optimization algorithm and mitochondrial fusion model (PSO-MFM). *Journal of Intelligent & Fuzzy Systems*, 46(2), 3071-3083. <https://doi.org/10.3233/jifs-223804>

Idriss Dagal, Burak Akín, Yaya Dagal Dari (2024). An improved constant current step-based grey wolf optimization algorithm for photovoltaic systems. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8441-8460. <https://doi.org/10.3233/jifs-224535>

Tareq M. Al-shami, Rodyna A. Hosny, Abdelwaheb Mhemdi, Radwan Abu-Gdairi, Salem Saleh (2023). Weakly soft b-open sets and their usages via soft topologies: A novel approach. *Journal of Intelligent & Fuzzy Systems*, 45(5), 7727-7738. <https://doi.org/10.3233/jifs-230436>

Ajay Kumar, Anuj Kumar Singh, Ankit Garg (2024). Evaluation of machine learning techniques for heart disease prediction using multi-criteria decision making. *Journal of Intelligent & Fuzzy Systems*, 46(1), 1259-1273. <https://doi.org/10.3233/jifs-233443>

Sakshi Dev Pandey, A.S. Ranadive, Sovan Samanta, Vivek Kumar Dubey (2024). A study on coopetition using bipolar fuzzy bunch graphs. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-20. <https://doi.org/10.3233/jifs-234061>

Mehdi Hajiloei, Alireza Fakharzadeh Jahromi, Somayeh Zolmani (2024). An improved loci method for outlier detection in fuzzy datasets based on fractional distance metric and outliers degree. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10805-10812. <https://doi.org/10.3233/jifs-234448>

Ayhan Akbas, Gonca Buyrukoglu, Selim Buyrukoglu (2024). Hybrid optimization approach for energy minimization in wireless sensor networks leveraging XGBoost and random forest. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-234798>

Itika Sharma, Sachin Kumar Gupta (2024). SFL-MDrone: Synchronous federated learning enabled multi drones. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8543-8562. <https://doi.org/10.3233/jifs-235275>

Yong Qin, Zeshui Xu, Xinxin Wang, Marinko Škare (2024). Fuzzy decision-making in tourism and hospitality: A bibliometric review. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4955-4980. <https://doi.org/10.3233/jifs-236618>

Cengiz Kahraman (2024). Proportional intuitionistic fuzzy CODAS method: Cloud service provider selection application. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10115-10133. <https://doi.org/10.3233/jifs-237389>

M. Amiri-Bideski, S. Hoskova-Mayerova, R. Ameri (2024). On modularity of hyperlattices. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9173-9178. <https://doi.org/10.3233/jifs-237912>

O. Kazancı, S. Hoskova-Mayerova, B. Davvaz (2024). Ordered semihyperrings characterized in terms of multipolar fuzzy hyperideals. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-09. <https://doi.org/10.3233/jifs-238654>

Izaz Ullah Khan, Jehanzeb Ali Shah, Muhammad Bilal, Faiza, Muhammad Saqib Khan, Sajid Shah, Ali Akgül (2023). Machine learning modelling of removal of reactive orange RO16 by chemical activated carbon in textile wastewater. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7977-7993. <https://doi.org/10.3233/jifs-220781>

Juncai Xu, Jingkui Zhang, Zhenzhong Shen (2022). Recognition method of internal concrete structure defects based on 1D-CNN. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5215-5226. <https://doi.org/10.3233/jifs-211784>

D. Rajesh, D. Giji Kiruba (2022). Energy Efficient Secured CH Clustered Routing (E2SCR) in smart dust network. *Journal of Intelligent & Fuzzy Systems*, 43(6), 8349-8357. <https://doi.org/10.3233/jifs-212012>

B. Ait Benali, S. Mihi, A. Ait Mlouk, I. El Bazi, N. Laachfoubi (2022). Arabic named entity recognition in social media based on BiLSTM-CRF using an attention mechanism. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5427-5436. <https://doi.org/10.3233/jifs-211944>

Muhammad Ishfaq, Samer Al Ghour, Arif Mahmood, Farkhanda Afzal, Zhongyan Li, Giorgio Nordo (2022). Characterization of vague hyper soft alpha open sets. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3789-3803. <https://doi.org/10.3233/jifs-212329>

Leila Rikhtechi, Vahid Rafeh, Afshin Rezakhani (2022). BBAC: Behavior-based access control to detect user suspicious behavior. *Journal of Intelligent & Fuzzy Systems*, 43(6), 8207-8220. <https://doi.org/10.3233/jifs-212377>

Shaojian Qu, Shan Jiang, Can Feng (2022). A new robust insurance model considering the time of accident. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5515-5534. <https://doi.org/10.3233/jifs-212391>

Eunsuk Yang (2022). Implicational tonoid semilinear logics: Prelinear logics and their relational semantics. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1541-1552. <https://doi.org/10.3233/jifs-212549>

Mehmet E. Uz (2022). Optimal design of multi-storey buildings with tuned mass dampers using genetic algorithms and grey wolf optimization. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1553-1567. <https://doi.org/10.3233/jifs-212553>

Qilong Jia, Ying Li, Zhichen Liu (2022). A new fault isolation approach based on propagated nonnegative matrix factorizations. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4271-4284. <https://doi.org/10.3233/jifs-212590>

Xin Jin (2022). A user-based topic model with topical word embeddings for semantic modelling in social network. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1467-1480. <https://doi.org/10.3233/jifs-212614>

S.V. Vijaya Karthik, J. Arputha Vijaya Selvi (2022). Hybrid cluster made content forwarding and light weight sign encryption IoT based Named Data Network using African Buffalo optimization algorithm. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2891-2905. <https://doi.org/10.3233/jifs-212674>

Hongdong Ma, Gang Li, Rongyue Liu, Mengdi Shen, Xiaohui Liu (2023). The personal credit default discrimination model based on DF21. *Journal of Intelligent & Fuzzy Systems*, 44(3), 3907-3925. <https://doi.org/10.3233/jifs-212780>

Dan Zhang, Yingcang Ma, Hengdong Zhu, Florentin Smarandache (2022). A label-guided weighted semi-supervised neutrosophic clustering algorithm. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5661-5672. <https://doi.org/10.3233/jifs-212812>

Deepa Abin, Sudeep D. Thepade (2022). Improved shadow suppression with amalgamation of AGWCD and exemplar based inpainting method. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2907-2919. <https://doi.org/10.3233/jifs-212823>

Muhammad Shahzad, M. Atif Tahir, M. Atta Khan, Richard Jiang, Rauf Ahmed Shams Malick (2022). EBSRMF: Ensemble based similarity-regularized matrix factorization to predict anticancer drug responses. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3443-3452. <https://doi.org/10.3233/jifs-212867>

M.S. Antony Vigil, Amit Agarwal, K.B.V. Brahma Rao, G. Meena Devi, Mohd Umar Farooq, P. Ganeshan, Nouf M. Alyami, Rafa Almeer, S.S. Raghavan (2023). A combined neural network mechanism for categorizing the normal and cancer cells. *Journal of Intelligent & Fuzzy Systems*, 45(5), 7191-7203. <https://doi.org/10.3233/jifs-234188>

Yuan Gao (2024). Implementation of a dynamic planning algorithm in accounting information technology administration. *Journal of Intelligent & Fuzzy Systems*, 46(3), 5521-5532. <https://doi.org/10.3233/jifs-234951>

Jing Xia, Shiya Zhang (2023). Enhancing family education pattern recognition with a random forest algorithm. *Journal of Intelligent & Fuzzy Systems*, 45(6), 9803-9813. <https://doi.org/10.3233/jifs-234976>

M. Sreekrishna, T. Prem Jacob (2023). Quantitative feature extraction of unstructured data from GitLab BioAI pathology reports of cancer using an enhanced RPA NLP method. *Journal of Intelligent & Fuzzy Systems*, 45(4), 5265-5276. <https://doi.org/10.3233/jifs-231625>

Jingjing Chang, Hui Zhao (2023). Implicit sentiment analysis based on affective knowledge and event information. *Journal of Intelligent & Fuzzy Systems*, 45(6), 9211-9221. <https://doi.org/10.3233/jifs-231778>

Guangying Qiu, Dan Tao, Housheng Su (2023). Multi-hop question answering of bridge inspection by adopting knowledge graph embedding technology. *Journal of Intelligent & Fuzzy Systems*, 45(5), 8691-8701. <https://doi.org/10.3233/jifs-232846>

Yuejie Li, Chang'an Liu, Shijun Li (2023). Text localization and recognition of Chinese characters in natural scenes based on improved faster R-CNN. *Journal of Intelligent & Fuzzy Systems*, 45(5), 8623-8636. <https://doi.org/10.3233/jifs-233700>

Jiangnan Luo, Jinyu Cai, Jianping Li, Jiahua Gao, Feng Zhou, Kailang Chen, Lei Liu, Mengda Hao (2023). Drilling rod target segmentation recognition based on an improved GAN. *Journal of Intelligent & Fuzzy Systems*, 45(4), 5481-5492. <https://doi.org/10.3233/jifs-232162>

Dangguo Shao, Chunsheng Huang, Cuiyin Liu, Lei Ma, Sanli Yi (2024). HRU-TNet: Hybrid Residual U-Transformer Network for diabetic retinopathy multi-lesion segmentation. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-240788>

G. David Raj, Saswathi Mukherjee, R.L. Jasmine (2024). Multi cascaded transformer network and hybrid heuristic-aided optimal bi-clustering mechanism for patent retrieval system using query expansion. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-19. <https://doi.org/10.3233/jifs-241138>

Le Xu, Yuanbin Mo, Yanyue Lu (2023). Improved seagull optimization algorithm combined with random division method to solve dynamic optimization problems. *Journal of Intelligent & Fuzzy Systems*, 44(3), 3579-3594. <https://doi.org/10.3233/jifs-211855>

Vo Truong Nhu Ngoc, Do Hoang Viet, Tran Manh Tuan, Pham Van Hai, Nguyen Phu Thang, Do Ngoc Tuyen, Le Hoang Son (2022). VNU-diagnosis: A novel medical system based on deep learning for diagnosis of periapical inflammation from X-Rays images. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1417-1427. <https://doi.org/10.3233/jifs-213299>

M. Thillai Rani, K.P. Sai Pradeep, R. Sivakumar, S. Suresh Kumar (2022). Recurrent deep neural learning classification algorithm based high level synthesis in VLSI circuit with runtime adaptability. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2503-2514. <https://doi.org/10.3233/jifs-213406>

K. Vanitha, D. Satyanarayana, M.N. Giri Prasad (2022). Medical image fusion using fuzzy adaptive reduced pulse coupled neural networks. *Journal of Intelligent & Fuzzy Systems*, 43(4), 3933-3946. <https://doi.org/10.3233/jifs-213416>

Lakshmanan Ramachandran, Veerasamy Mohan (2022). A novel neural network model for shrimp segmentation to detect white spot syndrome. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1453-1466. <https://doi.org/10.3233/jifs-220172>

Guo Niu, Zhengming Ma, Xi Liu (2022). Local homeomorphism regularized non-negative Tucker decomposition of tensor data. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6743-6754. <https://doi.org/10.3233/jifs-220785>

J. Poongodi, K. Kavitha, S. Sathish (2022). Healthcare Internet of Things (HIoT) data security enhancement using blockchain technology. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5063-5073. <https://doi.org/10.3233/jifs-220797>

Taoyun Zhang, Yugang Zhang, Guangdong Zhang, Ling Xue, Jin Wang (2022). De privacy encryption and extraction model of smart grid data based on Spark Streaming. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6821-6830. <https://doi.org/10.3233/jifs-221185>

Hariwan Z. Ibrahim (2023). Topological approaches for n,m-Rung orthopair fuzzy sets with applications to diagnosis of learning disability. *Journal of Intelligent & Fuzzy Systems*, 44(1), 855-869. <https://doi.org/10.3233/jifs-221528>

Lixin Zhou, Kexin Zhou, Chen Liu (2023). Stance detection of user reviews on social network with integrated structural information. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1703-1714. <https://doi.org/10.3233/jifs-221953>

Sofiane Mounine Hemam, Ouided Hioual, Ouassila Hioual (2023). Dynamic load balancing upon the replication and deletion of cloud services. *Journal of Intelligent & Fuzzy Systems*, 44(1), 381-393. <https://doi.org/10.3233/jifs-221989>

C. Subha Darathy, C. Agees Kumar (2023). A novel deep neural network with adaptive sine cosine crow search (DNN-ASCCS) model for content based medical image retrieval. *Journal of Intelligent & Fuzzy Systems*, 44(2), 3427-3440. <https://doi.org/10.3233/jifs-222872>

Li, L. (2023). Cross-entropy method for efficiency evaluation of integrated development of agriculture and tourism to promote rural revitalization under the triangular fuzzy neutrosophic sets. *Journal of Intelligent & Fuzzy Systems*, 44(4), 6151-6161. <https://doi.org/10.3233/jifs-224126>

Xiaonan Geng, Peng Liu (2023). Taxonomy method for green competitiveness evaluation of equipment manufacturing enterprises under picture 2-tuple linguistic environment. *Journal of Intelligent & Fuzzy Systems*, 44(5), 8133-8145. <https://doi.org/10.3233/jifs-224316>

Qian Liu, Jundan Hou, Qi Dong (2023). Modified MARCOS method for industrial competitiveness evaluation of regional cultural tourism with probabilistic hesitant fuzzy information. *Journal of Intelligent & Fuzzy Systems*, 45(1), 93-103. <https://doi.org/10.3233/jifs-224491>

V. Sathya, G.R. Mahendra Babu, J. Ashok, Ajantha Lakkshmanan (2023). A novel predicting students performance approach to competency & hidden risk factor identifier using a various machine learning classifiers. *Journal of Intelligent & Fuzzy Systems*, 44(6), 9565-9579. <https://doi.org/10.3233/jifs-224586>

D. Anandan, S. Hariharan, R. Sasikumar (2023). Deep learning based two-fold segmentation model for liver tumor detection. *Journal of Intelligent & Fuzzy Systems*, 45(1), 77-92. <https://doi.org/10.3233/jifs-230694>

Xiaofang Jin (2023). GRA method based on cumulative prospect theory for MCGDM with IVNSs and applications to college English translation teaching quality evaluation. *Journal of Intelligent & Fuzzy Systems*, 45(1), 1303-1312. <https://doi.org/10.3233/jifs-231191>

Chu Wang, Jian Wang (2023). Triple trustworthiness evaluation for knowledge graph of industrial domain. *Journal of Intelligent & Fuzzy Systems*, 45(2), 2967-2977. <https://doi.org/10.3233/jifs-231449>

Wen Sheng Du (2024). Geometric-arithmetic mean inequality for q-rung orthopair fuzzy Hamacher aggregations. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6893-6910. <https://doi.org/10.3233/jifs-231452>

Pengyu Liu (2023). Enhanced grey relational analysis method for neutrosophic cubic number madm and applications to decorative wall hanging design effect evaluation. *Journal of Intelligent & Fuzzy Systems*, 45(5), 7507-7518. <https://doi.org/10.3233/jifs-231529>

Karthikeyan Ramasamy, Arivoli Sundaramurthy, Chitra Vaithiyalingam (2024). Certain performance analysis of Islanded microgrid systems stability through biologically activated engineering optimization technique. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4733-4744. <https://doi.org/10.3233/jifs-233112>

R.G. Gokila, S. Kannan (2023). Intrusion detection in big data environment using hybrid deep learning algorithm (VAE-CNN). *Journal of Intelligent & Fuzzy Systems*, 45(5), 8637-8649. <https://doi.org/10.3233/jifs-234311>

Zhiyu Fu, Zhihui Fu (2024). A corpus-based Japanese translation model using fuzzy semantic optimal control technique. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5139-5153. <https://doi.org/10.3233/jifs-234575>

Yashao Wang (2023). A comprehensive MAGDM-based approach using EDAS and CRITIC as an auxiliary tool for quality evaluation of ceramic product modeling design. *Journal of Intelligent & Fuzzy Systems*, 45(6), 12049-12063. <https://doi.org/10.3233/jifs-234605>

Jianbin Hu (2024). Analysis of informationization teaching algorithms based on the internet of things. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3527-3544. <https://doi.org/10.3233/jifs-235050>

K. Saranya, M. Paulraj, C.R. Hema, S. Nithya (2024). Fractal based feature extraction technique for classifying EEG signal for color visualization tasks. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4315-4324. <https://doi.org/10.3233/jifs-235469>

V. Senthil Kumar, R. Aruna, M. Varalatchoumy, P. Manikannan, T. Santhana Krishnan, B. Usha Rani, Ashok Kumar, A. Rajaram (2024). Optimizing solar power plant efficiency through advanced analytical framework and comparative analysis. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4995-5011. <https://doi.org/10.3233/jifs-235578>

R. Sundar, M. Purushotham Reddy, Abhisek Sethy, K. Selvam, Shafiqul Abidin, Prasun Chakrabarti, Valeti Nagarjuna, Ananda Ravuri, P. Selvan (2024). Cloud computing encrypted image retrieval strategy in cloud computing using a hybrid optimization algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(3), 5911-5925. <https://doi.org/10.3233/jifs-237948>

Guangyuan Zheng, Chen Cheng, Xinling Dong, Yi Liu (2024). Acceleration and deceleration control algorithm of CNC system based on deep neural network reinforcement learning and MCU. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5165-5174. <https://doi.org/10.3233/jifs-238195>

Lixin Zhang, Hongtao Yin, Ang Li, Longbiao Hu (2024). ERRRT-A*: A fast path planning algorithm suitable for large-scale scenes. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-238695>

Fengshuo Rao, Sung-Pil Chung, Kailin Xing (2024). Enhanced MADM framework for fuzzy comprehensive evaluation of attack ability of basketball defenders with the triangular fuzzy neutrosophic numbers. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6763-6780. <https://doi.org/10.3233/jifs-238836>

Yang Ping (2024). Modern environmental art design based on Artificial Intelligence technology and ecological civilization. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10151-10165. <https://doi.org/10.3233/jifs-239687>

G. Pradeepkumar, S. Kavitha (2024). BISFT- two-dimensional breakdown clinical image seperation and fusion technique using CNN. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-239695>

Te-Min Chang, Sin-Jin Lin, Ming-Fu Hsu, Min-Lang Yang (2022). Incorporating soft information from financial news media for management decisions in dynamic business environments. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4947-4960. <https://doi.org/10.3233/jifs-211732>

S. Sathya, J. Senthil Murugan, S. Surendran, R. Sundar (2024). Deep attention transformer nets for accurate analysis of oil spilled images to minimize pollution in the marine environment. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3461-3473. <https://doi.org/10.3233/jifs-235657>

G. Sucharitha, Veeramalai sankardass, R. Rani, Nagaraj Bhat, A. Rajaram (2024). Deep learning aided prostate cancer detection for early diagnosis & treatment using MR with TRUS images. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3395-3409. <https://doi.org/10.3233/jifs-235744>

J.C. Kavitha, D. Subitha (2024). Lesion detection and classification in dermoscopic images using optimal threshold based on Newton Raphson iterative method. *Journal of Intelligent & Fuzzy Systems*, 46(1), 753-767. <https://doi.org/10.3233/jifs-235990>

N.V. Naik, J. Hyma, P.V.G.D. Prasad Reddy (2024). An adaptive framework of De-noising and enhancement for fundus imaging using enhanced guided filter and non-illumination correction method for diabetic retinopathy. *Journal of Intelligent & Fuzzy Systems*, 46(1), 693-709. <https://doi.org/10.3233/jifs-235991>

Jianshe He, Zhong Chen (2024). Multi-objective optimization problem-solving based on evolutionary algorithms and chaotic systems. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3593-3603. <https://doi.org/10.3233/jifs-236000>

Fang Li, Pengfei Li (2024). Evaluation of digital commercial bank security under uncertainty: A multiphase approach based on intuitionistic fuzzy CRITIC and EDAS framework. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4015-4027. <https://doi.org/10.3233/jifs-236058>

Rui Yin, Wei Lu, Jianhua Yang (2024). A stacked architecture-based fuzzy classifier with data position transformation using fuzzy cognitive maps. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2037-2052. <https://doi.org/10.3233/jifs-236087>

G.P.C. Venkata Krishna, D. Vivekananda Reddy (2024). Machine learning-enhanced hybrid cryptography and image steganography algorithm for securing cloud data. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4657-4667. <https://doi.org/10.3233/jifs-236229>

Xiang Yin, Li Guan, Bing Li, Qing Huang, Huijie Lin (2024). Research on load balance control of power systems based on distributed energy storage technology. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3491-3503. <https://doi.org/10.3233/jifs-236323>

Cong Wang, Yue Teng, Tianhang Zhang (2024). Optimizing closed-loop supply chain design with multi-objective demand fulfillment in a fuzzy environment using novel metaheuristic algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3701-3712. <https://doi.org/10.3233/jifs-236612>

RajaKumari Mukiri, Vijaya Babu Burra (2024). A Novel Vision Transformer Model for Rumor Prediction in COVID-19 Data CT Images. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3635-3648. <https://doi.org/10.3233/jifs-236842>

Jyoti, Jaspreeti Singh, Anjana Gosain (2024). LIKFCM: Linear interpolation-based kernelized fuzzy C-means clustering imputation method for handling incomplete data. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5103-5123. <https://doi.org/10.3233/jifs-236869>

M. Sangeetha, K. Nimala (2024). DL-TBAM: Deep Learning Transformer based Architecture Model for Sentiment Analysis on Tamil-English Dataset. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7479-7493. <https://doi.org/10.3233/jifs-236971>

V. Haripriya, Mohan Vishal Gupta, Nikita Nadkarni, Suraj Malik, Aditya Yadav, Apoorva Joshi (2024). Enhanced radial base deep learning algorithm for predicting multimedia security issues. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4829-4840. <https://doi.org/10.3233/jifs-237041>

Heng Li (2024). Enhanced group decision-making framework for financial performance evaluation of high-tech enterprises under interval neutrosophic environment. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6249-6263. <https://doi.org/10.3233/jifs-237196>

J. Sathiya Jothi, M. Chinnadurai (2024). A combined deep CNN with a chimp optimization approach for lung cancer diagnosis. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4681-4696. <https://doi.org/10.3233/jifs-237339>

Zengtai Gong, Zhiyong Xiao (2022). Approximation of fuzzy complex numbers by the form $x \sim + i y \sim 1$. *Journal of Intelligent & Fuzzy Systems*, 42(4), 3381-3391. <https://doi.org/10.3233/jifs-211306>

Yiping Zhang, Kolja Wilker (2022). Artificial intelligence and big data driven digital media design. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4465-4475. <https://doi.org/10.3233/jifs-211561>

Yangyang Yi, Long Yu, Shengwei Tian, Xuezhuang Gao, Jie Li, Xingang Zhao (2024). GA-RCNN:Graph self-attention feature extraction for 3D object detection. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5175-5189. <https://doi.org/10.3233/jifs-234024>

V. Nirupama, Prabha Shreeraj Nair, ATA Kishore Kumar, Mantripragada Yaswanth Bhanu Murthy, Priyanka Malhotra, Syed Noeman Taqui, Hesham S. Almoallim, Sulaiman Ali Alharbi, S.S. Raghavan (2023). Cancer victims' attitudes towards the importance of supportive treatment and health-care. *Journal of Intelligent & Fuzzy Systems*, 45(2), 2289-2304. <https://doi.org/10.3233/jifs-231903>

Xiaoquan He, Fang Dong (2023). Vocal music teaching method using fuzzy logic approach for musical performance evaluation. *Journal of Intelligent & Fuzzy Systems*, 45(6), 9289-9302. <https://doi.org/10.3233/jifs-233020>

Lingjuan Yao, Zonghong Feng, Yong Wang (2022). A representation of bifinite domains by rough approximable concepts. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5703-5708. <https://doi.org/10.3233/jifs-212939>

T.N. Prabhu, K. Karuppasamy (2022). Intrusion aware data transmission framework in wireless sensor network. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5721-5731. <https://doi.org/10.3233/jifs-213027>

Hao Li (2022). Curative effect of pop light music on depression patients based on improved fuzzy algorithm. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4351-4362. <https://doi.org/10.3233/jifs-213211>

Yan Wu, Ling-ying Wang, Yiling Fang (2022). Multi-criteria large group model based on consensus measure and subgroup leader mechanism for smart cities evaluation with hesitant information. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1383-1398. <https://doi.org/10.3233/jifs-213267>

Liang Ge, Yongquan Lin, Senwen Li, Bo Zeng (2022). Spatial-temporal network for traffic forecasting based on prior knowledge and data-driven. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2449-2462. <https://doi.org/10.3233/jifs-213317>

Ping Wang, Jie Wang, Guiwu Wei (2019). EDAS method for multiple criteria group decision making under 2-tuple linguistic neutrosophic environment. *Journal of Intelligent & Fuzzy Systems*, 37(2), 1597-1608. <https://doi.org/10.3233/jifs-179223>

Mohammad Mehdi ShirMohammadi, Mansour Esmaeilpour (2022). Wavelet neural network and complete ensemble empirical decomposition method to traffic control prediction. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4587-4599. <https://doi.org/10.3233/jifs-213557>

Revathy Ganapathy, Velayutham Rajendran (2023). CB-GRU-an encrypted net traffic flow classification in SDN using optimizing hyper parameters of neural network. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7099-7111. <https://doi.org/10.3233/jifs-220051>

S. Preethi Saroj, Pradeep Gurunathan (2022). Cascaded layer-coalescing convolution network for brain tumor segmentation. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5293-5308. <https://doi.org/10.3233/jifs-220167>

G. Nallasivan, V.S. Akshaya, C. Padmavathy (2023). A computational model for medical image retrieval using orthogonal moment. *Journal of Intelligent & Fuzzy Systems*, 44(2), 3261-3269. <https://doi.org/10.3233/jifs-221667>

Yanlin You, Zhenyu Wang (2023). Preference-aware Bayesian Personalized Ranking for Point-of-interest recommendation. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7113-7119. <https://doi.org/10.3233/jifs-222705>

A. Meenakshi, O. Mythreyi (2023). Applications of Neutrosophic social network using max product networks. *Journal of Intelligent & Fuzzy Systems*, 45(1), 407-420. <https://doi.org/10.3233/jifs-223484>

Guoqiang Zeng, Huan Zhou, Jianrong Tang (2023). How to deal with irrational consumption behavior of residents under COVID-19?. *Journal of Intelligent & Fuzzy Systems*, 44(4), 6163-6182. <https://doi.org/10.3233/jifs-223505>

R. Bhuvanya, M. Kavitha (2023). A real-time e-commerce accessories recommender system by coupling deep learning and histogram features. *Journal of Intelligent & Fuzzy Systems*, 45(1), 1179-1193. <https://doi.org/10.3233/jifs-223754>

Ling Zhou, Qian Zhang, Haili Li, Xuehan Zhao (2023). IVNN-Taxonomy method for teaching effect evaluation of “micro-ideological and political” model in medical colleges and universities. *Journal of Intelligent & Fuzzy Systems*, 44(4), 5977-5989. <https://doi.org/10.3233/jifs-224186>

Wujin Hu, Yi Shao, Yefei Liu (2023). A novel MADM-based efficient methodology with 2-tuple linguistic neutrosophic numbers and applications to physical education teaching quality evaluation. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7351-7365. <https://doi.org/10.3233/jifs-224539>

Bingjie Liang, Jun Bi, Bin Ran (2023). Sequence optimization of departure flights considering ferry scheduling. *Journal of Intelligent & Fuzzy Systems*, 45(2), 3165-3179. <https://doi.org/10.3233/jifs-231253>

Xingfu Zhang (2023). Research on core competitiveness evaluation of small and medium sized enterprises with hesitant triangular fuzzy multiple attribute decision making. *Journal of Intelligent & Fuzzy Systems*, 45(2), 3321-3331. <https://doi.org/10.3233/jifs-232839>

Qiao Deng (2023). Joint optimization strategy of task offloading to mobile edge computing. *Journal of Intelligent & Fuzzy Systems*, 45(6), 12201-12212. <https://doi.org/10.3233/jifs-234396>

Huilin Liu, Yansi Wang, Gaoming Yang, Huan Xu, Tao Wang (2024). Photorealistic style transfer fusing frequency separation channel attention mechanism and mirror flow pyramid integration. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6679-6696. <https://doi.org/10.3233/jifs-235903>

Yongbing Jin, Teng Ran, Liang Yuan, Kai Lv, Guoliang Wang, Wendong Xiao (2024). Bagging in Hidden Semi-Markov Model for handwriting robot trajectory generation. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6325-6335. <https://doi.org/10.3233/jifs-237275>

Xiang Zhang, Jianhua Huang (2024). Safety assessment of existing glass curtain wall based on fuzzy entropy and comprehensive cloud. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5125-5137. <https://doi.org/10.3233/jifs-237414>

J. Catherine Grace John, M. Deepika, B. Elavarasan (2023). Hybrid interior ideals and hybrid bi-ideals in ternary semigroups. *Journal of Intelligent & Fuzzy Systems*, 45(6), 10865-10872. <https://doi.org/10.3233/jifs-232591>

L. Prabaharan, A. Raghunathan (2022). Segmentation of human spermatozoa using improved Havrd-Chavrat entropy-based thresholding method. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5279-5292. <https://doi.org/10.3233/jifs-213478>

Mahmood M. Salih, Z.T. Al-Qaysi, Moceheb Lazam Shuwandy, M.A. Ahmed, Kahlan F. Hasan, Yousif Raad Muhsen (2022). A new extension of fuzzy decision by opinion score method based on Fermatean fuzzy: A benchmarking COVID-19 machine learning methods. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3549-3559. <https://doi.org/10.3233/jifs-220707>

Wenxuan Xie, Jiali Wu, Yuhong Sheng (2023). Uncertain regression model based on Huber loss function. *Journal of Intelligent & Fuzzy Systems*, 45(1), 1169-1178. <https://doi.org/10.3233/jifs-223641>

Vakeel A. Khan, Mohammad Arshad, Masood Alam (2023). Riesz ideal convergence in neutrosophic normed spaces. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7775-7784. <https://doi.org/10.3233/jifs-224035>

Yinghui Zhu, Yuzhen Jiang (2023). A novel MAGDM-based methodology with SVNSs and applications to collaborative innovation ability training mode selection of virtual teaching and research platforms. *Journal of Intelligent & Fuzzy Systems*, 45(3), 4165-4177. <https://doi.org/10.3233/jifs-230517>

Juan Huang, Chaoren Zhang (2023). An MAGDM approach with 2-tuple linguistic neutrosophic number for mental health education evaluation of college students. *Journal of Intelligent & Fuzzy Systems*, 44(6), 9685-9696. <https://doi.org/10.3233/jifs-230572>

Liu He, Yuanguo Zhu, Tingqing Ye (2024). Least squares parameter estimation for uncertain fractional differential equations and application to stock model. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9739-9753. <https://doi.org/10.3233/jifs-237977>

Rajab Ali Borzooei, Sun Shin Ahn, Young Bae Jun (2024). Łukasiewicz fuzzy filters of Sheffer stroke Hilbert algebras. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8231-8243. <https://doi.org/10.3233/jifs-233295>

Qiao Zhong, Fang Zou, Ling Zhong (2024). Multi-attribute decision making method based on the generalised spherical fuzzy Heronian operators. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-241113>

Mingyuan Liu (2024). Uncertainty model-based edge detection technology in badminton. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-9. <https://doi.org/10.3233/jifs-240271>

Donghui Wu, Jinfeng Wang, Wanwan Zhao, Xin Geng, Guozhi Liu, Sen Qiu (2024). Research on wearable sensor gesture recognition based on CNN_GRU and attention mechanism. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-240427>

Cheng Yang, Xinrui Xu (2024). Selection and application of building material suppliers based on the 2-tuple linguistic neutrosophic number combined grey relational analysis method. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-221334>

Saravanan Velusamy, Pallikonda Rajasekaran Murugan, G. Vishnuvarthan, Arunprasath Thiagarajan, Kottaimalai Ramaraj, Vidyavathi Kamalakkannan (2024). Enhanced X-wave recognition in ECG signal using max-min thresholds and detection of QRS complex. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-241456>

Zexin Li, Qiulin Li, Zepeng Li, Lixia Huang, Song Pu, Zunhao Luo (2024). Cost-based distributionally robust tourist attraction recommendation with demand uncertainty. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-238169>

Baoliang Wang, Hongping Su, Xiaoqian Luo, Luqiang Yin (2024). Evaluating the integration of traditional gong methods in smart home environment for the recovery of health functions of stroke patients. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-238267>

Lin Wang, Hongling Ye, Pengfei Wang, Chi Xu, Aiwen Qian (2024). Application of improved particle swarm optimization algorithm in the proportional integral differential-controlled semi-active suspension system. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-234812>

Sian Chen, Yajuan Zuo, Rui Wang (2024). An optimal framework for natural English translate processing: On the application of artificial neural network and Adam optimization algorithm. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-237181>

Dongling Gao, Suhong Ma, Xiangchuan Kong (2024). Edge based content delivery scheme to ensure quality video streaming for online course material access in smart learning. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-237485>

Jing Tian, Ziqi Zhao, Zheng Lin, Fengling Zhang, Renzhen Chen (2024). Research on inter-shaft bearing fault diagnosis method based on STFT-CNN modeling. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-240044>

Dharmanna Lamani, T.S. Shanthi, M.K. Kirubakaran, R. Roopa (2024). Empowering modern E-commerce consumers: Optimized deep learning for product image classification in home shopping. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-241682>

S.C. Manju, K. Swarnajyothi, J. Geetha, K. Somasundaram (2024). On Vertex PI index of certain perfect graphs, lexicographic product of graphs, and some chemical networks. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-238204>

Sabila Nawshin, Salekul Islam, Swakkhar Shatabda (2024). PCA-ANN: Feature selection based hybrid intrusion detection system in software defined network. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-18. <https://doi.org/10.3233/jifs-236340>

Jie Wu, Mengshu Hou (2024). Solving Table-based fact verification with mixture of logical reasoning. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-238142>

Xinyue Han, Wei Yao (2024). Basic concepts of complete residuated lattice-valued fuzzy mathematical morphology. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-238540>

Hongjun Li, Jinlong Zhang (2024). Advanced intelligent optimization for electric vehicle charging stations integrated with photovoltaic system and battery storage in commercial buildings. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-241032>

Ruth Isabels, K., Arul Freeda Vinodhini, G., & Anandan, V. (2024). Optimizing machining of 17-4 PH steel with ionic coolant: A comprehensive evaluation using hybrid CRITIC IF R-VIKOR MCDM approach. *Journal of Intelligent & Fuzzy Systems*, 1-16. <https://doi.org/10.3233/jifs-241509>

P. Visvanathan, P.M. Durai Raj Vincent (2024). A genetic algorithm based federated learning model for stroke risk prediction. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-236354>

Junjian Hou, Bingyu Zhang, Yudong Zhong, Dengfeng Zhao, Wenbin He, Fang Zhou (2024). An acoustic imaging recognition based cutting tools wear state prediction method. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-19. <https://doi.org/10.3233/jifs-238755>

Zhaohui Liu, Xiao Wang (2024). Research on pedestrian object detection algorithm in urban road scenes based on improved YOLOv5. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-240537>

Xiao Wang, Dan Wang, Jincheng Zhou (2024). Differential evolutionary using opposition-based learning for multimodal multi-objective optimization. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-233826>

M.A. Elsabagh, O.E. Emam, T. Medhat, M.G. Gafar (2024). Hybridization of fuzzy rough feature selection with ANFIS and turbulent flow of water optimization for managing software defect prediction uncertainty. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-21. <https://doi.org/10.3233/jifs-234415>

Guang Yang, Junlong Qi, Mingming Wang, Chong Wu, Yansheng Liu, Zhengjun Liu, Yuan Ping (2024). Target encirclement for multiple quadrotors with visual detection and localization. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-238335>

B. Muthu Nisha, J. Selvakumar, V. Nithya (2024). Analysis the performance of Delay Locked Loop Physically Unclonable Functions for smart energy meter. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-240099>

Man Hu, Dezhi Sun, Yihan Bai, Han Xiao, Fucheng You (2024). GTLP: A graph transformer based link prediction framework with unified feature pre-processing. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-237506>

Yonghong Zhang, Shouwei Li, Jingwei Li, Xiaoyu Tang (2024). Evolutionary game analysis of violation regulation in the electricity market based on blockchain technology. *Journal of Intelligent & Fuzzy Systems*, 46(4), 11219-11233. <https://doi.org/10.3233/jifs-238041>

Guangli Wu, Zhipu Yang, Jing Zhang (2024). Multi-Level interaction network for temporal sentence grounding in videos. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10941-10953. <https://doi.org/10.3233/jifs-234800>

Cheng Huang, Shuyu Hou (2024). Object pose estimation method for robotic arm grasping. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10787-10803. <https://doi.org/10.3233/jifs-234351>

Xiaoting Ding, Jiuchuan Jiang, Mengting Wei, Yue Leng, Haixian Wang (2024). Effect of animal behavior on EEG microstates in healthy children: An outdoor observation task. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10757-10771. <https://doi.org/10.3233/jifs-235533>

Ying Huang, Lang Li, Di Li, Yongchao Li (2024). IABC: A neural integral distinguisher for AND-RX Ciphers. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-238122>

Fahd Abuhoureyah, Wong Yan Chiew, M. Sami Zitouni (2024). WIFI based human activity recognition using multi-head adaptive attention mechanism. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-16. <https://doi.org/10.3233/jifs-234379>

Mahmood Bakhshi, Sun Shin Ahn, Young Bae Jun, Rajab Ali Borzooei (2024). Some types of pseudo valuations on hyper BCK-algebras. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-233898>

Dongdong Ma, Xiaohai He, Meiling Wang, Qingmao Fang, Han Zhu, Ping Hu (2024). Knowledge graph question answering based on relational attention enhancement and feature cross-coding. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-233650>

Xiumei Cai, Xi Yang, Chengmao Wu, Rui Zhang (2024). Multiview Type-2 kernelized fuzzy C-means clustering with local information for noisy color image segmentation. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-17. <https://doi.org/10.3233/jifs-235967>

Fuxue Li, Chuncheng Chi, Hong Yan, Zhen Zhang, Zhongchao Zhao (2024). Improving neural machine translation by word translations. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-236170>

Ning Zhou, Zhihao Ren (2024). Enhancing traffic flow prediction: Dual-branch graph convolutional network with rough data inference and adaptive spatial dependencies. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-236819>

Ling Wang, Zhiyun Ni (2024). Deep reinforcement learning for QoS-driven cloud healthcare services selection: A framework and performance evaluation. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2743-2757. <https://doi.org/10.3233/jifs-234582>

Xiaoqiang Kang (2024). Efficient data management in Internet of Things: A survey of data aggregation techniques. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9607-9623. <https://doi.org/10.3233/jifs-238284>

Xinyu Ren, Wanhe Yang, Hui Yang (2024). Group travel recommendation model study based on spatial and temporal integration factors. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-239548>

Yu Zou, Deyu Fu, Honghuai Mo, Henglong Chen, Deyin Wang (2024). Application of depth feature recognition technology in foreign object recognition in distribution network monitoring video. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10457-10470. <https://doi.org/10.3233/jifs-237868>

Mohamed El Alaoui Elfels, Moulay Rachid Douiri, Mustapha Raoufi (2024). Self fuzzy-genetic approach for boosting photovoltaic efficiency. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-231710>

Liu Jia (2024). Prediction of Sino-Korean cultural product trade based on one-dimensional convolutional neural network and support vector machine. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-238061>

Liang Shengbin, Sun Haoran, Sun Fuqi, Wu Hongjian, Du Wencai (2024). Alzheimer's disease classification algorithm based on fusion of channel attention and densely connected networks. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8289-8309. <https://doi.org/10.3233/jifs-236542>

Hongli Zhang, Guangyu Wu, Dongfang Zhao, Yesheng Chen, Dou Wei, Shulin Liu, Lunchang Jiang (2024). Domain graph attention neural network: A new mechanical fault diagnosis method with few samples. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7875-7886. <https://doi.org/10.3233/jifs-234042>

M. Ragul Vignesh, K. Srihari, S. Karthik (2024). Privacy-preserving intrusion detection in Internet of medical things neural networks using a novel recurrent U-Net auto-encoder algorithm for biomedical applications. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4093-4104. <https://doi.org/10.3233/jifs-234441>

Jinsong Huang, Hecheng Hou, Xiaoying Li, Ziyi Zhang, Qi Jia (2024). A study on the impact of full eco-smart home on the cognitive load and perceptual needs of elderly users. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-18. <https://doi.org/10.3233/jifs-237212>

Yuntong Hou, Shuye Shang, Shengxi Cao, Zhengjia Liu (2024). A research on an improved fuzzy approximate entropy algorithm for EMG-based shoulder and neck muscle fatigue detection. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8049-8063. <https://doi.org/10.3233/jifs-237293>

Navee Chiadamrong, Pisacha Suthamanondh (2024). A comparative study of fuzzy multi-objective investment project portfolio selection and optimization based on financial return and different risk measurements. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10883-10906. <https://doi.org/10.3233/jifs-233036>

Youwei Wang, Lizhou Feng (2024). New ensemble learning algorithm based on classification certainty and semantic correlation. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10985-11001. <https://doi.org/10.3233/jifs-236422>

Mohamed Yacin Sikkandar, S. Sabarunisha Begum, Musaed Saadullah Algamdi, Ahmed Bakhit Alanazi, Mashhor Shlwan N. Alotaibi, Nadr Saleh F. Alenazi, Habib Fallaj AlMutairy, Abdulaziz Fallaj Almutairi, Mohammed Sulaiman Almutairi (2024). Hidden Markov Model based Predicting of Alzheimer's Disease with graph cut segmentation using MR Diffusion Tensor Imaging (DTI). *Journal of Intelligent & Fuzzy Systems*, 46(2), 4277-4289. <https://doi.org/10.3233/jifs-234613>

Huixian Hu, Xiu Wang, Tian Li (2024). Infrared and visible image fusion method based on full convolutional network (FCN). *Journal of Intelligent & Fuzzy Systems*, 46(1), 2825-2834. <https://doi.org/10.3233/jifs-236094>

S. Venkatesan, M. Kempanna, M. Arogia Victor Paul, A. Bhuvanesh (2024). Advanced NOMA-aided indoor optical wireless communications using improved quantum optimized resource. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-237800>

Jian Chen, Zhiming Cai, Sheng Peng, Fei Lu (2024). Optimizing decision-making in IoT through ensemble voting and dynamic group formation with DBSCAN. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-236899>

C. Jansi Sophia Mary, K. Mahalakshmi (2024). Optimizing deep learning-based intrusion detection in cloud computing environment with chaotic tunicate swarm algorithm. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-237900>

Bei Zhang, Yuan Cao, Changqing Wang, Meng Wang (2024). Research on improved small scale face detection algorithm based on Yolov5. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10493-10505. <https://doi.org/10.3233/jifs-238575>

B. Kiran Bala, J.C. Sekhar, Mohammed Saleh Al Ansari, Vuda Sreenivasa Rao (2024). Enhancing plant leaf disease detection: Integrating krill herd optimization-surf features and deep belief network. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-234864>

A. Arul, M. Kathirvelu (2024). DILTS: Dragonfly-inspired lazy task scheduling algorithm for efficient energy consumption control in IoT applications. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6729-6746. <https://doi.org/10.3233/jifs-237475>

Huaqiang Tian, Long Yu, Shengwei Tian, Jun Long, Tiejun Zhou, Bo Wang, Yuhuan Li (2024). Aspect-based sentiment analysis with metaphorical information. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8065-8074. <https://doi.org/10.3233/jifs-233077>

Haihua Xing, Min Zhang, Qixiang Tong, Xiya Zeng, Huannan Chen (2024). An improved interval type-2 possibilistic C-means clustering algorithm for interclass maximization. *Journal of Intelligent & Fuzzy Systems*, 46(3), 7123-7141. <https://doi.org/10.3233/jifs-231883>

V. Arulkumar, A. Sandana Karuppan, Sini Anna Alex, R. Lathanmanju (2024). Service application model design for users using fuzzy semantic ontology model in cloud computing. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3811-3826. <https://doi.org/10.3233/jifs-235130>

Aiguo Li, Rongrong Feng (2024). Constraint-based high utility mobile trajectory pattern mining for security systems. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3323-3338. <https://doi.org/10.3233/jifs-233967>

Hicham Slimani, Jamal El Mhamdi, Abdelilah Jilbab (2024). Advancing disease identification in fava bean crops: A novel deep learning solution integrating YOLO-NAS for precise rust. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3475-3489. <https://doi.org/10.3233/jifs-236154>

Yang Lu, Fengjun Liu, Bin Cao (2024). Application of an adaptive genetic algorithm and machine learning in an English text analysis teaching system. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-17. <https://doi.org/10.3233/jifs-236249>

Long Luo (2024). Research on human behavior recognition algorithm based on HRNet and LSTM with model lightweight. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-239704>

Guo Rong, Wang Xi (2024). Building recognition and classification using deep learning in civil engineering projects. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-241838>

Xi Wang, Rong Guo (2024). Research on application of multimodal data fusion in intelligent building environment perception. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-241252>

Zhi-Hao Zhang, Jie-Sheng Wang, Lin Chen (2024). An edge detection method of colony image based on mediocrity ant colony algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2665-2691. <https://doi.org/10.3233/jifs-233769>

Zheming Li, Yidan Chen, Bo Yang, Chenwei Li, Shihua Zhang, Wei Li, Hengwei Zhang (2024). Enhancing the transferability of adversarial attacks with diversified input strategies. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10359-10373. <https://doi.org/10.3233/jifs-223584>

YuHan Wei, Young-Ju Kim (2024). Computer graphics assisted methods in cultural and creative product design and graphic design: A study of visual interaction and innovative practices. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-236320>

Xiuli Geng, Yuanhao Du, Shuyuan Cao, Sheng Cheng (2024). An improved IPA approach driven by big data and its application to customer satisfaction research of energy-saving appliance. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9857-9871. <https://doi.org/10.3233/jifs-235074>

Huanyu Wan, Dong Qiu (2024). Pandemic management by using sentiment analysis and trapezoidal type-2 fuzzy linguistic intuitionistic fuzzy matrix games. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8677-8695. <https://doi.org/10.3233/jifs-237319>

Guili Zhang, Pengxi Li, Hanyue Zhang, Yinglong Yu, Zhao Liang (2024). Study on the application of the intelligence teaching ecology based on the 5G blended campus network technology. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9727-9738. <https://doi.org/10.3233/jifs-237768>

Manohar Srinivasan, N.C. Senthilkumar (2024). Spotted hyena optimizer with ensemble deep learning based intrusion detection in internet of things environment. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-240571>

Wenshun Sheng, Jiahui Shen, Qiming Huang, Zhixuan Liu, Zihao Ding (2024). Pedestrian tracking method based on S-YOFOEO framework in complex scene. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-237208>

Kang Chen, Changming Song, Dongxu Cheng, Hao Li (2024). Dual generators and dual discriminators generative adversarial network for video anomaly detection. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-237831>

Xiaobing Yu, Yuexin Zhang, Xuming Wang (2024). An adaptive ranking teaching learning-based optimization algorithm to solve sensor deployment in harsh environments. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-17. <https://doi.org/10.3233/jifs-240215>

Dapeng Liu (2024). A color 3D reconstruction method for waste mechanical parts based on improved SGM. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-237214>

Ruohan Zhou, Wei Chen, Congjin Xie (2024). The integration algorithm of digital resources in business administration based on cluster analysis. *Journal of Intelligent & Fuzzy Systems*, 46(4), 11111-11123. <https://doi.org/10.3233/jifs-235573>

Yingjie Li, Rongrong Sun, Guangrong Huang, Yuanbin Deng, Haixuan Zhang, Delong Zhang (2024). Multi-objective optimization scheduling method considering flexible load integration for distribution network. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-16. <https://doi.org/10.3233/jifs-238367>

Jiarui Zhang, Bingo Wing-Kuen Ling (2024). Breathing site classification via joint mel frequency cepstral coefficients and gammatone frequency cepstral coefficients approach. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3623-3634. <https://doi.org/10.3233/jifs-235446>

Duo Sui, Peng Gao, Minhang Fang, Jing Lian, Linhui Li (2024). Research on multi-task perception network of traffic scene based on feature fusion1. *Journal of Intelligent & Fuzzy Systems*, 46(3), 5753-5765. <https://doi.org/10.3233/jifs-235246>

D.M. Deepak Raj, A. Arulmurugan, G. Shankar, A. Arathi, Vijaya Babu Panthagani, C.H. Sandeep (2023). Enhanced edge detection model for low resolution images. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-235332>

Hui-Yong Wu, Zi-Wei Zhou, Hong-Kun Li, Tong-Tong Yang (2024). Fault diagnosis of chemical process based on SE-ResNet-BiGRU neural network. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9311-9328. <https://doi.org/10.3233/jifs-236948>

Kun Zhang, Yu Zhou, Haixia Long, Shulei Wu, Chaoyang Wang, Haizhuang Hong, Xixi Fu, Haifeng Wang (2024). Design and implementation of marine information management network security system based on artificial intelligence embedded technology. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4817-4827. <https://doi.org/10.3233/jifs-236018>

Zhao Zhao Zhang, Hao Ran Pan, Ying Qin Zhu (2024). Automated modeling of nonlinear systems using fuzzy modular neural network. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3605-3621. <https://doi.org/10.3233/jifs-232396>

Bin Xie (2024). An integrated framework for spherical fuzzy MAGDM and applications to english blended teaching quality evaluation. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3173-3189. <https://doi.org/10.3233/jifs-233458>

G. Premalatha, Premanand V. Chandramani, K. Panimalar (2024). GAITBOOST: Boosting gait recognition performance with BAT-extreme learning machines algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10591-10605. <https://doi.org/10.3233/jifs-210522>

Yu Bai, Qijun Hu, Zhenxiang Zhou, Qijie Cai, Leping He (2024). Potential functions of construction worker-machine interaction safety assessment. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-17. <https://doi.org/10.3233/jifs-236423>

Jie Yu, Jubin Zhang (2024). Monitoring and analysis of physical activity and health conditions based on smart wearable devices. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8497-8512. <https://doi.org/10.3233/jifs-237483>

Raksha Pandey, Alok Kumar Singh Kushwaha, Vinay Kumar (2024). Detecting video forgery: A machine learning approach for consistency analysis of video frames. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6807-6820. <https://doi.org/10.3233/jifs-235818>

Feng Li, Mozhong Zhu, Ling Lin (2024). Risk assessment for industrial control systems based on asymmetric connection cloud and Choquet integral. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6589-6605. <https://doi.org/10.3233/jifs-234686>

V. Sivakumaran, K. Sankar (2024). Distance magic labeling of join of graphs and big data analysis. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5013-5020. <https://doi.org/10.3233/jifs-224511>

R. Syed Aamir Adnan, R. Kumaravel (2024). Type - 2 mamdani fuzzy inference system based model for rainfall forecasting. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4791-4802. <https://doi.org/10.3233/jifs-235828>

Ansar Isak Sheikh, M. Sadish Sendil, P. Sridhar, M.I. Thariq Hussan, Shafiqul Abidin, Ravi Kumar, Reyazur Rashid Irshad, Elangovan Muniyandy, Solleti Phani Kumar (2024). Revolutionizing collaborative auditing: A dynamic blockchain-based cloud storage framework for data updates and assurance. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6553-6564. <https://doi.org/10.3233/jifs-237474>

Ling Ding, Xiaobing Xiong, Zhenyu Bao, Luokai Hu, Yu Chen, Bijun Li, Yong Cheng (2024). Detection of fatigue driving behavior based on facial expression. *Journal of Intelligent & Fuzzy Systems*, 46(3), 7143-7153. <https://doi.org/10.3233/jifs-234248>

Rong Wu, Long Yu, Shengwei Tian, Jun Long, Tiejun Zhou, Bo Wang (2024). KEPA-CRF: Knowledge expansion prototypical amortized conditional random field for few-shot event detection. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4265-4275. <https://doi.org/10.3233/jifs-234368>

Yicheng Liu, Zewei Hu, Haiwen Nie (2024). Multi-scale fusion public gathering recognition based on residual network. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3881-3893. <https://doi.org/10.3233/jifs-236811>

Zhenguo Xing, Xiao Wu, Jiangjiang Li (2024). NDI-PPO: Node degree increment-based proximal policy optimization method for employment community discovery in online social networks. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-9. <https://doi.org/10.3233/jifs-236587>

Wenbiao Duan, Mingjin Yang, Weiliang Sun, Mingmin Xia, Hui Zhu, Chijiang Gu, Haiqiang Zhang (2024). Systematic review and meta-analysis of the screening and identification of key genes in gastric cancer using DNA microarray database. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-236416>

Hai Li, Mingjian Gao, Zhizhan Lin, Jian Peng, Liangzhen Xie, Junjie Ma (2024). Identify novel gene signatures in atrial fibrillation by comprehensive bioinformatics analysis. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5275-5285. <https://doi.org/10.3233/jifs-234306>

Yu-Lin Wang, Jin-Heng Wang (2024). An efficient dynamic migration and consolidation method of VMs based on improved K-nearest neighbor algorithm and attribute weighting. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10315-10328. <https://doi.org/10.3233/jifs-239851>

R. Tino Merlin, R. Ravi (2024). Enhancing quality-driven iot operations for smart cities: A comprehensive approach for routing, security, and optimization. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-240308>

Ahmed S. Ghiduk, Marwa Hashim (2024). Hybridizing genetic algorithm and harmony search for higher-order mutation testing. *Journal of Intelligent & Fuzzy Systems*, 46(2), 4429-4452. <https://doi.org/10.3233/jifs-230226>

Yunlai Zhang (2023). Research on the teaching quality evaluation of painting majors in universities based on the 2-tuple linguistic pythagorean fuzzy sets. *Journal of Intelligent & Fuzzy Systems*, 45(4), 5671-5683. <https://doi.org/10.3233/jifs-232226>

Jingjing Lv (2024). TODIM-GRA technique for performance evaluation of financial management in provincial colleges under 2-tuple linguistic Pythagorean fuzzy sets. *Journal of Intelligent & Fuzzy Systems*, 46(1), 1315-1328. <https://doi.org/10.3233/jifs-234212>

S. Vidya, Veeraraghavan Jagannathan, T. Guhan, Jogendra Kumar (2024). Long-term and short-term rainfall forecasting using deep neural network optimized with flamingo search optimization algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(1), 543-561. <https://doi.org/10.3233/jifs-235798>

R.M. Rani, B. Dwarakanath, M. Kathiravan, S. Murugesan, N. Bharathiraja, M. Vinoth Kumar (2024). Accurate artificial intelligence method for abnormality detection of CT liver images. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5313-5328. <https://doi.org/10.3233/jifs-232195>

D. Deva Hema, K. Ashok Kumar (2022). Novel algorithm for multivariate time series crash risk prediction using CNN-ATT-LSTM model. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4201-4213. <https://doi.org/10.3233/jifs-211775>

Qiang Zhang (2022). Target-based calibration of 3D LiDAR and binocular camera on unmanned vehicles. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5283-5290. <https://doi.org/10.3233/jifs-211827>

Song Yu, Weimin Tan, Chengming Zhang, Chao Tang, Lihong Cai, Dong Hu (2023). Power transformers fault diagnosis based on a meta-learning approach to kernel extreme learning machine with opposition-based learning sparrow search algorithm. *Journal of Intelligent & Fuzzy Systems*, 44(1), 455-466. <https://doi.org/10.3233/jifs-211862>

Lei Zhang, Jiaxing Pan, Pengfei Xia, Chuyuan Wei, Changfeng Jing, Maozu Guo, Quansheng Guo (2022). A complex network approach for the model of vehicle emission propagation and intelligently mine the interaction rules. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5375-5384. <https://doi.org/10.3233/jifs-211921>

Hua Zhao, PeiXin Zhang, Yue Liang, Sitenda Amos (2022). A comparative study on Chinese open domain suggestion mining. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5385-5398. <https://doi.org/10.3233/jifs-211932>

M. Shabana Parveen, P.T.V. Bhuvaneswari (2022). Investigation of RPL in 6LoWPAN based elderly care monitoring system. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5411-5426. <https://doi.org/10.3233/jifs-211943>

Junxiao Xue, Xiangyan Kong, Gang Wang, Bowei Dong, Haiyang Guan, Lei Shi (2023). Path planning algorithm in complex environment based on DDPG and MPC. *Journal of Intelligent & Fuzzy Systems*, 45(1), 1817-1831. <https://doi.org/10.3233/jifs-211999>

Adu Asare Baffour, Zhen Qin, Guobin Zhu, Yi Ding, Zhiguang Qin (2022). Facial expression recognition via coarse-grained and fine-grained feature representation. *Journal of Intelligent & Fuzzy Systems*, 43(4), 3947-3959. <https://doi.org/10.3233/jifs-212022>

Pei Wang, Liangdong Qu, Qinli Zhang (2022). Information entropy based attribute reduction for incomplete heterogeneous data. *Journal of Intelligent & Fuzzy Systems*, 43(1), 219-236. <https://doi.org/10.3233/jifs-212037>

Junfeng Yang, Yuwen Huang, Yubin Guo, Fuxian Huang, Jing Li (2022). PPG biometric recognition with singular value decomposition and local mean decomposition. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3599-3610. <https://doi.org/10.3233/jifs-212086>

K. Akila (2022). Recognition of inter-class variation of human actions in sports video. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5251-5262. <https://doi.org/10.3233/jifs-212088>

Zahid Hussain, Sahar Abbas, Shams ur Rahman, Rashid Hussain, Razia Sharif (2023). Belief and plausibility measures on pythagorean fuzzy sets and its applications with BPI-VIKOR. *Journal of Intelligent & Fuzzy Systems*, 44(1), 729-743. <https://doi.org/10.3233/jifs-212098>

Qaisar Abbas (2022). A hybrid transfer learning-based architecture for recognition of medical imaging modalities for healthcare experts. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5471-5486. <https://doi.org/10.3233/jifs-212171>

Prashant Kumar, Shivam Shakti, Naireet Datta, Shashwat Sinha, Partha Ghosh (2022). Feature selection using PRACO method for IDS in cloud environment. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5487-5500. <https://doi.org/10.3233/jifs-212196>

J. Carmalatta, S. Diwakaran, P. Uma Maheswari, S. Raja, Y. Harold Robinson, E. Golden Julie, Raghvendra Kumar, Le Hoang Son, Chung Le, Nguyen Thanh Tung, Hoang Viet Long (2023). A neuro-fuzzy approach for multipoint data prediction in passive clustered wireless sensor networks. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1213-1228. <https://doi.org/10.3233/jifs-212214>

Shulin Liu, Rui Jiang (2022). Research on service quality evaluation of sports clubs with Pythagorean fuzzy information. *Journal of Intelligent & Fuzzy Systems*, 43(1), 343-354. <https://doi.org/10.3233/jifs-212229>

Mesay Samuel Gondere, Lars Schmidt-Thieme, Durga Prasad Sharma, Randolph Scholz (2022). Multi-script handwritten digit recognition using multi-task learning. *Journal of Intelligent & Fuzzy Systems*, 43(1), 355-364. <https://doi.org/10.3233/jifs-212233>

Xuewu Zhang, Wenfeng Jing (2022). Fault detection of overhead contact systems based on multi-view Faster R-CNN. *Journal of Intelligent & Fuzzy Systems*, 43(1), 397-407. <https://doi.org/10.3233/jifs-212257>

R. Dharaniya, J. Indumathi, G.V. Uma (2022). Bidirectional recurrent neural network with multi-head attention for automatic scene generation using sentiment analysis. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7023-7039. <https://doi.org/10.3233/jifs-212271>

Rodrigo Batista Contarato, Rogério Passos do Amaral Pereira, Carlos Torturella Valadão, Marco A.S.L. Cuadros, José Leandro Felix Salles, Gustavo Maia de Almeida (2022). Online tuning of generalized predictive controllers using fuzzy logic. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5501-5513. <https://doi.org/10.3233/jifs-212322>

P.S. Anoop, V. Sugumaran (2022). Effect of wheel balancing on tyre condition monitoring system using vibration signals through statistical features and machine learning techniques. *Journal of Intelligent & Fuzzy Systems*, 43(1), 561-573. <https://doi.org/10.3233/jifs-212336>

Khushboo Khurana, Umesh Deshpande (2022). Video localized caption generation framework for industrial videos. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4107-4132. <https://doi.org/10.3233/jifs-212381>

B.R. Pushpa, N. Shobha Rani (2022). A simple and efficient technique for leaf extraction in complex backgrounds of low resolution mobile photographed images. *Journal of Intelligent & Fuzzy Systems*, 43(1), 773-789. <https://doi.org/10.3233/jifs-212451>

S. Sreejith, R. Subramanian, S. Karthik (2022). Using patching asymmetric regions to assess ischemic stroke lesion in neuro imaging. *Journal of Intelligent & Fuzzy Systems*, 43(1), 791-800. <https://doi.org/10.3233/jifs-212457>

Yingan Hou, Junguang Su, Jun Liang, Xiwen Chen, Qin Liu, Liang Deng, Jiyuan Liao (2022). A stroke image recognition model based on 3D residual network and attention mechanism. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5205-5214. <https://doi.org/10.3233/jifs-212511>

Arif Mehmood, Samer Al Ghour, Farkhanda Afzal, Giorgio Nordo, Najma Saleem (2022). Comprehensive note on characterization of neutrosophic soft P-open sets in neutrosophic soft quad-topological space. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1519-1540. <https://doi.org/10.3233/jifs-212547>

Manju Lata Joshi, Namita Mittal, Nisheeth Joshi (2022). Improving the performance of semantic graph-based keyword extraction and text summarization using fuzzy relations in Hindi Wordnet. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3771-3788. <https://doi.org/10.3233/jifs-212603>

Kanika, Jimmy Singla (2022). A novel framework for online transaction fraud detection system based on deep neural network. *Journal of Intelligent & Fuzzy Systems*, 43(1), 927-937. <https://doi.org/10.3233/jifs-212616>

Khalaf Khatatneh, Sergey Filist, Riad Taha Al-Kasasbeh, Altyn Amanzholovna Aikeyeva, Manafaddin Namazov, Olga Shatalova, Ashraf Shaqadan, Andrey Miroshnikov (2022). Hybrid neural networks with virtual flows in medical risk classifiers. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1621-1632. <https://doi.org/10.3233/jifs-212617>

Zhe Zhang, Yiyang Zhang, Xiang Li, Yurong Qian, Tao Zhang (2022). BMCSA:Multi-feature spatial convolution semantic matching model based on BERT. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4083-4093. <https://doi.org/10.3233/jifs-212624>

Amaladoss Vivek Joe Bharath, Marimuthu Thirumurugan (2022). Analysis and implementation of certain multivariate statistical process monitoring Tools for fault detection and isolation (FDI) task in a laboratory scale shell-tube heat exchanger. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1651-1668. <https://doi.org/10.3233/jifs-212631>

Mingwei Li, Juan Chen (2022). HSR's time-varied influence on regional tourism development: Determining the time point for post-evaluating an HSR project's hysteretic effect on the tourism economy. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3203-3218. <https://doi.org/10.3233/jifs-212640>

Satyana Rayana Nimmala, B. Vikranth, Syed Muqthadar Ali, Rella Usha Rani, Bandi Rambabu (2022). An Intelli MVC: An intelligent majority voting and heuristic-based hybrid classifier to predict high blood pressure. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3003-3020. <https://doi.org/10.3233/jifs-212649>

Mansi Lather, Parvinder Singh (2022). Tumor segmentation from brain MR images using STSA based modified K-means clustering approach. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2579-2595. <https://doi.org/10.3233/jifs-212709>

Muhammad Akmal, Syed Zubair, Mads Jochumsen, Muhammad Zia ur rehman, Ernest Nlandu Kamavuako, Muhammad Irfan Abid, Imran Khan Niazi (2022). Scalable tensor factorization for recovering multiday missing intramuscular electromyography data. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1177-1187. <https://doi.org/10.3233/jifs-212715>

Hongguang Pan, Huipeng Zhang, Xinyu Lei, Fangfang Xin, Zheng Wang (2022). Hybrid dilated faster RCNN for object detection. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1229-1239. <https://doi.org/10.3233/jifs-212740>

Weiwei Jiang, Jiayun Luo (2022). An evaluation of machine learning and deep learning models for drought prediction using weather data. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3611-3626. <https://doi.org/10.3233/jifs-212748>

S. Pandiyan, D. Krishnamoorthy (2022). NRTAS: Non-redundant traffic authentication scheme for strengthening privacy in 5 G communication networks. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3101-3114. <https://doi.org/10.3233/jifs-212750>

Ashutosh Dhamija, R.B. Dubey (2022). An approach to enhance performance of age invariant face recognition. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2347-2362. <https://doi.org/10.3233/jifs-212789>

Xiaolong Wei, Xianglin Huang, LiFang Yang, Gang Cao, Zhulin Tao, Bing Wang, Jing An (2022). Hierarchical RNNs-Based transformers MADDPG for mixed cooperative-competitive environments. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1011-1022. <https://doi.org/10.3233/jifs-212795>

S. Saravanakumar, T. Saravanan (2022). An effective convolutional neural network-based stacked long short-term memory approach for automated Alzheimer's disease prediction. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4501-4516. <https://doi.org/10.3233/jifs-212797>

Yapeng Zhang, Yanling Guo, Yaning Xiao, Wenxiu Tang, Haoyu Zhang, Jian Li (2022). A novel hybrid improved hunger games search optimizer with extreme learning machine for predicting shrinkage of SLS parts. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5643-5659. <https://doi.org/10.3233/jifs-212799>

Ashutosh Singh, Yogenrda Narain Singh (2022). Cancelable multibiometrics using random projection and fuzzy quantization for template protection. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3155-3171. <https://doi.org/10.3233/jifs-212814>

Kachibhotla Srinivas, Ch. Raghavendra Phani Kumar (2022). An improvised follicle polycystic ovarian detection using AKF from a sequence of given ultrasound images. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7717-7732. <https://doi.org/10.3233/jifs-212857>

Chaofeng Wang (2023). Impact of air transportation on the spread of Covid-19 between countries based on system dynamics. *Journal of Intelligent & Fuzzy Systems*, 44(3), 4667-4679. <https://doi.org/10.3233/jifs-212862>

Abin John Joseph, R. Asaletha (2022). Multi driven EDT strategy based on clustering algorithm for wireless chemical sensor network. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4011-4021. <https://doi.org/10.3233/jifs-212912>

K. Chithra, V.K. Shunmughanaathan, S. Karthik, K. Srihari (2022). Enhanced energy efficient routing scheme based ant colony optimization. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4975-4985. <https://doi.org/10.3233/jifs-212913>

Hong Sun, Gui-Wu Wei, Xu-Dong Chen, Zhi-Wen Mo (2022). Extended EDAS method for multiple attribute decision making in mixture z-number environment based on CRITIC method. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2777-2788. <https://doi.org/10.3233/jifs-212954>

Senthilkumar Ramachandraarjunan, Venkatakrishnan Perumalsamy, Balaji Narayanan (2022). IoT based artificial intelligence indoor air quality monitoring system using enabled RNN algorithm techniques. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2853-2868. <https://doi.org/10.3233/jifs-212955>

Aneesh Kumar Mishra, Ravindra Kumar Singh, Neelesh Kumar Jain (2022). A novel intuitionistic fuzzy rough set model and its application to enhance umami peptide prediction. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3741-3755. <https://doi.org/10.3233/jifs-212987>

Zhiwen Yan, Ying Chen, Xianqing Wang, Jia Zhu, Jianbo Li (2022). Recognition and classification of children's molars based on deep learning. *Journal of Intelligent & Fuzzy Systems*, 43(1), 1271-1283. <https://doi.org/10.3233/jifs-212994>

Song Jun-Fang, Chen Yan (2023). Traffic flow state prediction based on space-time correlation of vehicle trajectory using the deep hybrid model. *Journal of Intelligent & Fuzzy Systems*, 44(4), 6855-6863. <https://doi.org/10.3233/jifs-212998>

Zhendong Guo, Xiaohong Li, Kai Zhang, Xiaoyong Guo (2022). Adaptive pruning threshold based convolutional neural network for object detection. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7821-7831. <https://doi.org/10.3233/jifs-213002>

Peichen Zhao, Qi Yue, Zhibin Deng (2023). Two-sided matching decision making for probabilistic hesitant fuzzy numbers. *Journal of Intelligent & Fuzzy Systems*, 44(4), 5699-5709. <https://doi.org/10.3233/jifs-213010>

A. Mystica, V.S. Senthil kumar, B. Sakthi abirami (2022). Analysis and prediction of uncertain responses using regression and fuzzy logic for friction stir welding of AA2014 under n-MQL. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2375-2390. <https://doi.org/10.3233/jifs-213032>

Dani Abraham Jeyasingh, Sasiraja Rajamanickam Manickaraj, Rajesh Kanna Govindhan Radhakrishnan (2022). A novel fault detection and identification system for solar PV systems using truncated arrangement of active cell (TAAC) structure. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2549-2565. <https://doi.org/10.3233/jifs-213040>

Fanshu Li, Dengfeng Yao, Minghu Jiang, Xinchen Kang (2022). Smoking behavior recognition based on a two-level attention fine-grained model and EfficientDet network. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5733-5747. <https://doi.org/10.3233/jifs-213042>

A. Kala, S. Ganesh Vaidyanathan, P. Sharon Femi (2022). CEEMDAN hybridized with LSTM model for forecasting monthly rainfall. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2609-2617. <https://doi.org/10.3233/jifs-213064>

K. Krishnakumar, S. Indira Gandhi, C.K. Sivarajanji (2022). Stationary wavelet transformation based video stabilization and stitching. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5759-5770. <https://doi.org/10.3233/jifs-213069>

Yan Wang, Jianfeng Han, Ziqi Guo (2023). LCBP-STGCN: A local cube binary pattern spatial temporal graph convolutional network for micro-expression recognition. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1601-1611. <https://doi.org/10.3233/jifs-213079>

Sheng Wang, Yumei Shi, Chengxiang Hu, Chunyan Yu, Shiping Chen (2023). Prediction poverty levels of needy college students using RF-PCA model. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1769-1779. <https://doi.org/10.3233/jifs-213114>

Mahin Esmaeili (2023). A hybrid combined algorithm based on intelligent water drops and electromagnetism-like algorithms for fuzzy TSP1. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1229-1240. <https://doi.org/10.3233/jifs-213121>

Hongxia Wang, Wubin Ma, Zhiru Wang, Chenyang Lu (2022). Multiscale convolutional recurrent neural network for residential building electricity consumption prediction. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3479-3491. <https://doi.org/10.3233/jifs-213176>

V.M. Rajanandhini, G. Elangovan (2022). Mode choice behaviours of commuters using multinomial logit model and soft computing technologies: A case study analysis. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3373-3391. <https://doi.org/10.3233/jifs-213198>

Yu Tian, Zixue Guo (2022). A method based on cloud model and FCM clustering for risky large group decision making. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2647-2665. <https://doi.org/10.3233/jifs-213216>

Babek Erdebilli, Selcen Gülsüm Aslan özşahin (2022). Uncertainty management with an autonomous approach to fuzzy set-covering facility location models. *Journal of Intelligent & Fuzzy Systems*, 43(6), 8233-8246. <https://doi.org/10.3233/jifs-213220>

Gawalee Phatai, Sirapat Chiewchanwattana, Khamron Sunat (2022). Initialization of smooth adaptive neural network weights with a cultural algorithm for SET index prediction. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4987-5000. <https://doi.org/10.3233/jifs-213233>

G. Vasanthi, N. Prabakaran (2022). An improved approach for energy consumption minimizing in WSN using Harris hawks optimization. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4445-4456. <https://doi.org/10.3233/jifs-213252>

Jinzheng Guang, Zhenghao Xi (2022). ECAENet: EfficientNet with efficient channel attention for plant species recognition. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4023-4035. <https://doi.org/10.3233/jifs-213314>

Guidong Zhang, Yuhong Sheng, Yuxin Shi (2022). Uncertain hypothesis testing of multivariate uncertain regression model. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7341-7350. <https://doi.org/10.3233/jifs-213322>

Helong Li, Shuli Liu, Weizhong Wang (2022). The probabilistic linguistic term sets based ORESTE method for risk evaluation in Fine-Kinney model with interactive risk factors. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3493-3512. <https://doi.org/10.3233/jifs-213326>

D. Kalaiarasan, A. Ahilan, S. Ramalingam (2023). A Harris Hawk Optimization with chaotic map based image encryption for multimedia application. *Journal of Intelligent & Fuzzy Systems*, 45(6), 11035-11057. <https://doi.org/10.3233/jifs-213337>

G. Manoharan, K. Sivakumar (2022). An enhanced Hidden Semi-Markov model for outlier detection in multi-variate datasets. *Journal of Intelligent & Fuzzy Systems*, 43(5), 5945-5951. <https://doi.org/10.3233/jifs-213374>

N.K. Manikandan, M. Kavitha (2023). A content recommendation system for e-learning using enhanced Harris Hawks Optimization, Cuckoo search and DSSM. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7305-7318. <https://doi.org/10.3233/jifs-213422>

Wattana Jindaluang (2022). Oversampling by genetic algorithm and k-nearest neighbors for network intrusion problem. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2515-2528. <https://doi.org/10.3233/jifs-213430>

Priyanka Prabhakaran, Anandakumar Subbaiyan, Priyanka Bhaskaran, Sampathkumar Velusamy (2022). Preventive track maintenance model using fuzzy weight convolution neural network for metro rail system. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4565-4586. <https://doi.org/10.3233/jifs-213439>

Xi Chen, Wenquan Jin, Qirui Wu, Wenbo Zhang, Haiming Liang (2022). A hybrid cost-sensitive machine learning approach for the classification of intelligent disease diagnosis. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3039-3050. <https://doi.org/10.3233/jifs-213486>

Jing Liu, Shengwei Tian, Long Yu, Jun Long, Tiejun Zhou, Bo Wang (2023). Attention-based multi-modal fusion sarcasm detection. *Journal of Intelligent & Fuzzy Systems*, 44(2), 2097-2108. <https://doi.org/10.3233/jifs-213501>

Yong Zhang, Tianzhen Chen, Yuqing Jiang, Jianying Wang (2023). Possibilistic c-means clustering based on the nearest-neighbour isolation similarity. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1781-1792. <https://doi.org/10.3233/jifs-213502>

Qing An, Ruoli Tang, Qiqi Hu (2022). Large-scale photovoltaic system in green building: MPPT control based on deep neural network and dynamic time-window. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4769-4787. <https://doi.org/10.3233/jifs-213513>

Khush Bakhat, Kashif Kifayat, M. Shujah Islam, M. Mattah Islam (2022). Human activity recognition based on an amalgamation of CEV & SGM features. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7351-7362. <https://doi.org/10.3233/jifs-213514>

Fan Wang, Shengwei Tian, Long Yu, Jun Long, Tiejun Zhou, Bo Wang, Junwen Wang, Yongtao Wang (2022). Cross-modality reinforcement for unaligned sequences sentiment analysis. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6013-6025. <https://doi.org/10.3233/jifs-213536>

Yuting Kong, Yurong Qian, Fuxiang Tan, Lu Bai, Jinxin Shao, Tinghuai Ma, Sergei Nikolayevich Tereshchenko (2022). CVDP k-means clustering algorithm for differential privacy based on coefficient of variation. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6027-6045. <https://doi.org/10.3233/jifs-213564>

Ma Lina, Ma Hao, Zhang Yang, Najaf Iqbal (2023). Study on the spatial spillover effects of capital enrichment on industrial green technology innovation in China. *Journal of Intelligent & Fuzzy Systems*, 44(2), 2715-2727. <https://doi.org/10.3233/jifs-213565>

Shu Zhang, Yuhong Wang (2022). An improved software defect prediction model based on grey incidence analysis and Naive Bayes algorithm. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6047-6060. <https://doi.org/10.3233/jifs-213570>

N.A. Lawrance, T.S. Shiny Angel (2023). Performance evaluation of image fusion techniques and implementation of new fusion technique for remote sensing satellite data. *Journal of Intelligent & Fuzzy Systems*, 44(2), 3353-3367. <https://doi.org/10.3233/jifs-213573>

Maha A. Elmenshawy, Taher Hamza, Reem El-Deeb (2022). Automatic arabic text summarization (AATS): A survey. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6077-6092. <https://doi.org/10.3233/jifs-213589>

Fan Liu, Muchen Luo, Yingyan Zhang, Shuling Zhou, Xue Wu, Aiyong Lin, Yuxia Guo, Conghu Liu (2022). Data-driven evaluation of regional agricultural production efficiency for sustainable development. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7765-7778. <https://doi.org/10.3233/jifs-220052>

Irfan Javid, Rozaida Ghazali, Muhammad Zulqarnain, Norlida Hassan (2023). Data pre-processing for cardiovascular disease classification: A systematic literature review. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1525-1545. <https://doi.org/10.3233/jifs-220061>

Linkai Zhu, Wennan Wang, Maoyi Huang, Maomao Chen, Yiyun Wang, Zhiming Cai (2022). A N-gram based approach to auto-extracting topics from research articles1. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6137-6146. <https://doi.org/10.3233/jifs-220115>

Lukui Shi, Haoran Zu, Jikai Tai, Weifei Niu (2022). A welding defect detection model based on a shape-aware network. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6147-6162. <https://doi.org/10.3233/jifs-220132>

S. Angammal, G. Hannah Grace (2022). An interactive neutrosophic programming approach for multi objective crop planning problem with intuitionistic fuzzy parameter in Ariyalur District. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6189-6201. <https://doi.org/10.3233/jifs-220156>

Shun-Chi Yu (2022). Enhancement of two-stage flow shop multiprocessor scheduling problems using a target-oriented genetic algorithm. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6213-6228. <https://doi.org/10.3233/jifs-220174>

Meiqin Wu, Ruixin Chen, Jianping Fan (2023). Application of evidence reasoning algorithm and QUALIFLEX with single-valued neutrosophic set for MCDM. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1241-1256. <https://doi.org/10.3233/jifs-220194>

Qi Li, Liang Hong (2022). Spatiotemporal variation and driving factors analysis on the expansion of the main urban agglomerations in China. *Journal of Intelligent & Fuzzy Systems*, 43(4), 4145-4159. <https://doi.org/10.3233/jifs-220201>

Mohanaprakash Thottipalayam Andavan, Nirmalrani Vairaperumal (2023). Cloud computing based deduplication using high-performance grade byte check and fuzzy search technique. *Journal of Intelligent & Fuzzy Systems*, 44(2), 3411-3425. <https://doi.org/10.3233/jifs-220206>

Victor L. Silva, José Maria P. de Menezes (2023). Automation of fuzzy systems for intelligent traffic lights. *Journal of Intelligent & Fuzzy Systems*, 45(5), 9141-9156. <https://doi.org/10.3233/jifs-220232>

Volkan Kirmaci, Evrim Guler, Hüseyin Kaya (2022). Machine learning analysis of thermal separation of a ranque hilsch vortex tube with linear, kNN, SVM, and RF regression models. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6295-6306. <https://doi.org/10.3233/jifs-220274>

Xiaohan Wang, Zepei Zhang, Pei Wang, Jiaqing Chen, Junze Wu (2022). Characteristic density peak clustering algorithm for taxi hot spots detection. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5147-5164. <https://doi.org/10.3233/jifs-220327>

Siliang Liu, Wenyu Zhang, Song Yang, Jiaxuan Shi (2022). A novel truck-drone collaborative service network for wide-range drone delivery using a modified variable neighborhood search algorithm. *Journal of Intelligent & Fuzzy Systems*, 43(4), 5165-5184. <https://doi.org/10.3233/jifs-220378>

Jianping Yu, Jilin Fu, Tana Bai, Tao Zhang, Shaoxiong Li (2022). Investigation of features causing semantic mergers of English modal verbs by approach of attribute partial order diagram. *Journal of Intelligent & Fuzzy Systems*, 43(5), 6383-6393. <https://doi.org/10.3233/jifs-220388>

S. Karthiga, A.M. Abirami (2023). Hybrid deep learning model for efficient prediction of telecom data using EMF radiation. *Journal of Intelligent & Fuzzy Systems*, 44(3), 4257-4272. <https://doi.org/10.3233/jifs-220408>

D. Senthilkumar, A.K. Reshma, S. Paulraj (2023). Dimensionality reduction strategy for Multi-Target Regression paradigm. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1069-1083. <https://doi.org/10.3233/jifs-220412>

R. Nishanth, C. Helen Sulochana, A.S. Radhamani, A. Ahilan (2023). Design of imprecise compressor applications based on Hazy-Multipliers. *Journal of Intelligent & Fuzzy Systems*, 44(5), 8725-8741. <https://doi.org/10.3233/jifs-220418>

Lu Liu, Qiming Sun, Tianhua Jiang, Guanlong Deng, Qingtao Gong, Yaping Li (2022). A novel discrete elephant herding optimization for energy-saving flexible job shop scheduling problem with preventive maintenance. *Journal of Intelligent & Fuzzy Systems*, 43(6), 8089-8107. <https://doi.org/10.3233/jifs-220494>

Esam Alsadiq Alshareef, Fawzi Omar Ebrahim, Yosra Lamami, Mohamed Burid Milad, Mohamed S.A. Eswani, Sedigh Abdalla Bashir, Salah A.M. Bshina, Anas Jakdoum, Asharaf Abourqeeqah, Mohamed O Elbasir, Ellafi.A. Elbahrit (2022). Knee osteoarthritis severity grading using vision transformer. *Journal of Intelligent & Fuzzy Systems*, 43(6), 8303-8313. <https://doi.org/10.3233/jifs-220516>

Poorani Marimuthu, V. Vaidehi (2023). An unsupervised approach for personalized RHM with reduced mean alert latency. *Journal of Intelligent & Fuzzy Systems*, 44(2), 2173-2190. <https://doi.org/10.3233/jifs-220539>

Feifei Jin, Hao Jiang, Lidan Pei (2023). Exponential function-driven single-valued neutrosophic entropy and similarity measures and their applications to multi-attribute decision-making. *Journal of Intelligent & Fuzzy Systems*, 44(2), 2207-2216. <https://doi.org/10.3233/jifs-220566>

Wei Hang Cao, Jian Jiang (2022). Research on travel path choice considering complex environment: theory, model and case. *Journal of Intelligent & Fuzzy Systems*, 43(6), 8109-8126. <https://doi.org/10.3233/jifs-220597>

Liu Yang, Ao Li (2023). Route choice model based on cellular automata and cumulative prospect theory. *Journal of Intelligent & Fuzzy Systems*, 44(2), 1823-1834. <https://doi.org/10.3233/jifs-220600>

Mohammad Kamrul Hasan, Md. Yasin Ali, Abeda Sultana, Nirmal Kanti Mitra (2023). Extension principles for picture fuzzy sets. *Journal of Intelligent & Fuzzy Systems*, 44(4), 6265-6275. <https://doi.org/10.3233/jifs-220616>

Yong Miao, Zedong Liu, Zijing Zhuang, Xiaofeng Yan (2023). Hybrid ANFIS models were used to calculate the capillary water absorption values of construction stones. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1117-1127. <https://doi.org/10.3233/jifs-220640>

Peng Chen, Dongge Zhu (2023). Sequential tree recognition method of sensitive data in energy big data center based on rule matching. *Journal of Intelligent & Fuzzy Systems*, 44(1), 101-112. <https://doi.org/10.3233/jifs-220675>

S. Lovelyn Rose, N. Ravitha Rajalakshmi, M. Sabari Nathan, A. Suraj Subramanian, R. Harishkumar (2023). MFRCNN: Marshalled FRCNN with optimized reading order in XY tree for document layout analysis in scientific research articles. *Journal of Intelligent & Fuzzy Systems*, 44(2), 2769-2778. <https://doi.org/10.3233/jifs-220705>

Huifang Wang, Shili Zhang (2022). Double Hybridized artificial network for the prediction of HPC concrete compressive strength. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7963-7974. <https://doi.org/10.3233/jifs-220736>

Yahya Alqahtani, Muhammad Kamran Jamil, Hamdan Alshehri, Ali Ahmad, Muhammad Azeem (2023). Vertex metric resolvability of COVID antiviral drug structures. *Journal of Intelligent & Fuzzy Systems*, 44(1), 1017-1028. <https://doi.org/10.3233/jifs-220964>

Saibal Majumder, Rintu Kutum, Debnarayan Khatua, Arif Ahmed Sekh, Samarjit Kar, Mitali Mukerji, Bhavana Prasher (2023). On intelligent Prakriti assessment in Ayurveda: a comparative study. *Journal of Intelligent & Fuzzy Systems*, 45(6), 9827-9844. <https://doi.org/10.3233/jifs-220990>

Song Li, Jie-Sheng Wang, Hao-Ming Song, Yue Zheng, Xing-Yue Zhang (2022). Buoyancy energy driven archimedes optimization algorithm based on Lévy flight and tangent flight. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7173-7197. <https://doi.org/10.3233/jifs-221039>

Xu-Dong Li, Jie-Sheng Wang, Wen-Kuo Hao, Hao-Ming Song, Xiao-Rui Zhao (2023). Lorentz chaotic trigonometric function pedigree based arithmetic optimization algorithm. *Journal of Intelligent & Fuzzy Systems*, 44(3), 3527-3559. <https://doi.org/10.3233/jifs-221098>

Naif Khalaf AlShammari, Emad Ul Haq Qazi, Ahmed Maher Gabr, Ahmed A. Alzamil, Ahmed S. Alshammari, Saleh Mohammad Albadran, G. Thippa Reddy (2023). Post-stroke rehabilitation optimization & recommendation framework using tele-robotic ecosystem: Industry 4.0 readiness approach. *Journal of Intelligent & Fuzzy Systems*, 44(5), 8773-8783. <https://doi.org/10.3233/jifs-221295>

M. Muthuvinayagam, N. Vengadachalam, V. Subha Seetalakshmi, B. Rajani (2023). Design of electric vehicle charging station network on urban communities utilizing RSA-HBA technique. *Journal of Intelligent & Fuzzy Systems*, 44(6), 9327-9345. <https://doi.org/10.3233/jifs-221820>

Amit Kumar Sahoo, Sudhansu Kumar Mishra, Deep Shekhar Acharya, Sitanshu Sekhar Sahu, Sanchita Paul, Vikash Kumar Gupta (2023). Identification and control of Maglev system using fractional and integer order PID controller. *Journal of Intelligent & Fuzzy Systems*, 44(5), 7277-7289. <https://doi.org/10.3233/jifs-222238>

K.K. Myithili, R.D. Beulah (2024). Selection of appropriate location of turbines using score function in transversals of an intuitionistic fuzzy soft hypergraphs. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8205-8212. <https://doi.org/10.3233/jifs-222714>

Sachin Goel, Rajeev Agrawal, R.K. Bharti (2023). Epileptic seizure prediction and classification based on statistical features using LSTM fully connected neural network. *Journal of Intelligent & Fuzzy Systems*, 44(4), 6003-6020. <https://doi.org/10.3233/jifs-222745>

C. Ranjeeth Kumar, M. Kalaiarasu (2023). Multiple vehicles tracking and detection using weight high order singular value decomposition dimensionality reduction and double classifiers. *Journal of Intelligent & Fuzzy Systems*, 44(3), 3943-3958. <https://doi.org/10.3233/jifs-222795>

K. Thangaraj, M. Sakthivel, K. Balasamy, S. Suganyadevi (2023). Computer-aided cluster formation in wireless sensor networks using machine learning. *Journal of Intelligent & Fuzzy Systems*, 45(5), 7415-7428. <https://doi.org/10.3233/jifs-223242>

Jia-Ning Hou, Min Zhang, Jie-Sheng Wang, Yu-Cai Wang, Hao-Ming Song (2023). A ReliefF guided binary equalization optimizer based on Z-type and reverse Z-type transfer functions for feature selection. *Journal of Intelligent & Fuzzy Systems*, 45(3), 4689-4714. <https://doi.org/10.3233/jifs-230081>

M. Kalaimathi, B.J. Balamurugan, Atulya K. Nagar (2024). k-Zumkeller graphs through mycielski transformation. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7923-7932. <https://doi.org/10.3233/jifs-231095>

R. Sangeetha, Bessy M. Kuriakose, V. Edward Naveen, A. Jenefa, A. Lincy (2024). Sketching of interactive VoIP traffic with multivariate statistical learning-based classification. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9209-9223. <https://doi.org/10.3233/jifs-231113>

J. Sharmila Joseph, Abhay Vidyarthi (2024). Earlier laryngeal cancer detection using hybrid M-RCNN technique. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8975-8992. <https://doi.org/10.3233/jifs-231154>

Wang Simin, Kang Yifei, Xu Yixuan, Ma Chunmiao, Wang Jinyu, Wu Weiguo (2024). Temperature prediction and scheduling of data center based on segmented neural network. *Journal of Intelligent & Fuzzy Systems*, 46(3), 5985-5999. <https://doi.org/10.3233/jifs-231320>

Li-Ling Peng, Xiao-Feng Bi, Guo-Feng Fan, Ze-Ping Wang, Wei-Chiang Hong (2024). Analysis and prediction of novel coronavirus pneumonia epidemic using hybrid response surface method with time-series and random forest. *Journal of Intelligent & Fuzzy Systems*, 46(1), 369-388. <https://doi.org/10.3233/jifs-231588>

Lijun Gao, Jialong Zhu, Xuedong Zhang, Jiehong Wu, Hang Yin (2024). Research on micro parallax adversarial sample generation method based on texture sensitive region. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2573-2584. <https://doi.org/10.3233/jifs-231653>

Dan Li, Ming Chen, Kaixiang Peng, Libing Wu (2024). Fixed-time tracking control of manipulators based on non-singular fast terminal sliding surface. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2971-2979. <https://doi.org/10.3233/jifs-231664>

Wenhao Xie, Lin Lei, Xiangyi Liu, Yuan Liu (2024). Study on cluster centers optimization of max-min distance k-means clustering algorithm based on inter-cluster separation measure. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7839-7857. <https://doi.org/10.3233/jifs-231747>

G. Arulselvan, A. Rajaram (2023). Hybrid trust-based secure routing protocol for detection of routing attacks in environment monitoring over MANETs. *Journal of Intelligent & Fuzzy Systems*, 45(4), 6575-6590. <https://doi.org/10.3233/jifs-231905>

K. Meenakshi, M. Revathi, Sanda Sri Harsha, K. Tamilarasi, T.S. Shanthi, D. Sugumar, K. Suriyakrishnaan, B. Uma Maheswari, A. Rajaram (2024). Hybrid machine learning approach for trust evaluation to secure MANET from routing attacks. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3429-3445. <https://doi.org/10.3233/jifs-231918>

Ziwei Liu, Ziyu Xu, Xiyu Zheng, Yongxing Zhao, Jinghua Wang (2024). 3D path planning in threat environment based on fuzzy logic. *Journal of Intelligent & Fuzzy Systems*, 46(3), 7021-7034. <https://doi.org/10.3233/jifs-232076>

Mohammed Ameksa, Zouhair Elamrani Abou Elassad, Dauha Elamrani Abou Elassad, Hajar Mousannif (2024). Predictive analysis for road accidents using a tree-based and deep learning fusion system. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2381-2397. <https://doi.org/10.3233/jifs-232078>

D. Siva Senthil, T.S. Sivarani (2024). GDJN: Global density joined network for abnormal event detection in surveillance videos. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3933-3944. <https://doi.org/10.3233/jifs-232177>

Xiu-Li Diao, Quan-Lei Zhang, Qing-Tian Zeng, Hua Duan, Zheng-guo Song, Hua Zhao (2024). Integrating learning factors and Bayesian network for interpretable knowledge tracing. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8213-8229. <https://doi.org/10.3233/jifs-232189>

Gayatri Ketepalli, Premamayudu Bulla (2024). An effective ensemble classification framework for intrusion detection system using LSTM autoencoder. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7613-7626. <https://doi.org/10.3233/jifs-232228>

Nana Ma, Lili Wang, Yuting Long (2024). Application of recommendation system based on fuzzy logic in music culture communication and music teaching management. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-232422>

Shuo Wang, Jing Yang, Yue Yang (2024). A collaborative filtering method by fusion of facial information features. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-20. <https://doi.org/10.3233/jifs-232718>

Chenzhong Bin, Wenqiang Liu, Hantao Ding, Yimin Wen (2024). A multi-view heterogeneous knowledge learning method for personalized POI recommendation. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7763-7777. <https://doi.org/10.3233/jifs-232792>

P. Aruna Sri, V. Santhi (2024). The reptile optimized deep learning model for land cover classification of the uppal earth region in telangana state using satellite image fusion. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3209-3229. <https://doi.org/10.3233/jifs-232891>

A. Anbumani, P. Jayanthi (2024). Classification of mammogram breast cancer using customized deep learning model. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-232896>

Fangxing Lv, Wenfeng Liu, Yuzhen Yang, Yaling Gao, Longqing Bao (2024). A generative summarization model combined NLG and NLU. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-9. <https://doi.org/10.3233/jifs-232981>

Li Jiang, Lu Yang, Xiaoning Zang, Junfeng Dong, Wenxing Lu (2024). Cooperated delivery of drones and truck for “last 100 metres” in rural areas. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2595-2614. <https://doi.org/10.3233/jifs-233045>

Bengong Yu, Xiaohan Ji (2024). Multi-modal sarcasm detection based on emotion perception and cross-modality attention fusion. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8361-8374. <https://doi.org/10.3233/jifs-233163>

R. Dineshkumar, Anna Alphy, C. Kalaivanan, K. Bashkaran, Balachandra Pattanaik, T. Logeswaran, K. Saranya, Ganeshkumar Deivasikamani, A. Johny Renoald (2024). A novel hyperparameter tuned deep learning model for power quality disturbance prediction in microgrids with attention based feature learning mechanism. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2911-2927. <https://doi.org/10.3233/jifs-233263>

M. Amsaprabhaa (2024). Deep multimodal spatio-temporal Harris Hawk Optimized Pose Recognition framework for self-learning fitness exercises. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9783-9805. <https://doi.org/10.3233/jifs-233286>

Peng Yu, Huxiong Song, Hui Liu (2024). Interval-valued pre-(quasi-)grouping functions and its application in constructing interval-valued directional monotonic fuzzy implications. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8245-8272. <https://doi.org/10.3233/jifs-233318>

Shanlang Lin, Zeyu Lin (2024). Will the opening of the metro promote local entrepreneurship? –A counterfactual test of Chinese urban data based on the model of synthetic control method. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6637-6655. <https://doi.org/10.3233/jifs-233366>

Aliya Syaffa Zakaria, Muhammad Ammar Shafi, Mohd Arif Mohd Zim, Aisyah Natasya Musa (2024). Comparison of prediction fuzzy modeling towards high-risk symptoms of lung cancer. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7959-7968. <https://doi.org/10.3233/jifs-233714>

M. Mukesh Krishnan, S. Thanga Ramya, K. Ramar (2024). Detecting multiple moving objects for unusual crowd activities detection in video surveillance system. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3789-3798. <https://doi.org/10.3233/jifs-233833>

Santi Kumari Behera, Komma Anitha, Rajat Amat, Prabira Kumar Sethy (2024). ResNet101-SVM: Hybrid convolutional neural network for citrus fruits classification. *Journal of Intelligent & Fuzzy Systems*, 46(3), 7035-7045. <https://doi.org/10.3233/jifs-233910>

Yeling Yang (2024). Fuzzy control algorithm for analyzing the effects of vocal music on college students' social and emotional learning. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-16. <https://doi.org/10.3233/jifs-233922>

Jianji Ren, Donghao Yang, Yongliang Yuan, Haiqing Liu, Bin Hao, Longlie Zhang (2024). An offloading method in new energy recharging based on GT-DQN. *Journal of Intelligent & Fuzzy Systems*, 46(1), 479-492. <https://doi.org/10.3233/jifs-233990>

Sukhwinder Singh Sran, Harmandeep Singh, Puneet Mittal, Manoj Kumar, Sukhwinder Sharma (2024). Integrating IoT with WSNs using fuzzy logic-based middleware. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-234043>

Jianming Jiang, Yandong Ban, Jiayi Li, Yane Zhou (2024). Predicting China's elderly population by using a fractional grey prediction model with time power term. *Journal of Intelligent & Fuzzy Systems*, 46(1), 2929-2939. <https://doi.org/10.3233/jifs-234205>

S.V. Gomathi, M. Jayalakshmi (2024). On application of linear fractional programming problem using e-education system. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-8. <https://doi.org/10.3233/jifs-234286>

K.P. Ajitha Gladis, R. Srinivasan, T. Sugashini, S.P. Ananda Raj (2024). Smart-YOLO glass: Real-time video based obstacle detection using paddling/paddling SAB YOLO network1. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10243-10256. <https://doi.org/10.3233/jifs-234453>

Xueke Du, Wenli Li, Xiaowen Wei (2024). The effectiveness of certification services on e-commerce platforms considering network externalities. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-20. <https://doi.org/10.3233/jifs-234621>

Tao Li, Xiaolong Wang, Xinkun Li, Xinyu Jia, Lijie Wu, Weihong Yang (2024). Upper bound analysis of surrounding rock pressure in shallow buried unsymmetrical tunnels based on the Hooke-Brown criterion. *Journal of Intelligent & Fuzzy Systems*, 46(2), 3799-3809. <https://doi.org/10.3233/jifs-234766>

Yongzhi Zhang, Keren He, Jue Ge (2024). AOPPI: An adaptive obstruction perception pedestrian identifier for complex environments. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9449-9464. <https://doi.org/10.3233/jifs-235386>

Huzaira Razzaque, Shahzaib Ashraf, Muhammad Sohail, Thabet Abdeljawad (2024). Enhanced MAIRCA technique for green supply chain management based on spherical linear diophantine fuzzy information. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9343-9366. <https://doi.org/10.3233/jifs-235397>

K. Ranjith, K. Karthikeyan (2024). New algorithm for two-machine fuzzy flow shop scheduling problem with trapezoidal fuzzy processing time. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-235526>

Amit Asthana, Sanjay K. Dwivedi (2024). A quantitative evaluation of online translators using Hindi web queries. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-235532>

Jingya Wei, Yongfeng Ju (2024). Data-driven traffic signal adaptive control algorithm integrating vehicle perception and traffic flow data. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-13. <https://doi.org/10.3233/jifs-235654>

Dongping Zhao (2024). Fuzzy association rule mining for personalized the Chinese language teaching from higher education. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6465-6478. <https://doi.org/10.3233/jifs-235734>

Haewon Byeon, Manoj Ram Tammina, Mukesh Soni, Nargiza Kuzieva, Latika Jindal, Ismail Keshta, Mrunalini Harish Kulkarni (2024). Enhancing online health consultations through fuzzy logic-integrated attribute-based encryption system. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7677-7695. <https://doi.org/10.3233/jifs-235893>

Kai Liu, Mingyi Wang (2024). Air pollutant concentration and population distribution economic planning simulation based on target tracking. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-235902>

Mengyuan Ma, Huiling Huang, Jun Han, Yanbing Feng, Yi Yang (2024). Real-time semantic segmentation via mutual optimization of spatial details and semantic information. *Journal of Intelligent & Fuzzy Systems*, 46(3), 6821-6834. <https://doi.org/10.3233/jifs-235929>

Wang Chongjuan (2024). Exploring the practice of integrating innovation and entrepreneurship teaching in visual communication design professional courses using hybrid optimization based ANFIS. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-18. <https://doi.org/10.3233/jifs-235930>

Hongan Chen, Zongfu Zhang, Qingjia Luo, Rongbin Chen, Yang Zhao (2024). Improving power cable partial discharge pattern recognition through gustafson-kessel fuzzy clustering techniques. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8943-8959. <https://doi.org/10.3233/jifs-235945>

Sijia Chen, Qingquan Wang, Yuan Guo (2024). Construction of a network intelligence platform for privacy protection and integrated big data mining. *Journal of Intelligent & Fuzzy Systems*, 46(4), 11205-11217. <https://doi.org/10.3233/jifs-236017>

Prakash Mohan, S. Aishwarya (2024). Optimizing building material selection: A machine learning approach for efficient concrete compressive strength forecasting. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10269-10285. <https://doi.org/10.3233/jifs-236111>

Ying Yang, Shaoshuai Liu, Xiaolong Wang, Xiaopeng Guo (2024). Optimal demand management in the electrical microgrid considering energy market prices uncertainty. *Journal of Intelligent & Fuzzy Systems*, 46(3), 7401-7412. <https://doi.org/10.3233/jifs-236130>

N. Arunkumar, Balakrishnan Nagaraj, M. Ruth Keziah (2024). Optimized wavelet and feature set of EEG signal for Parkinson disease classification. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9271-9290. <https://doi.org/10.3233/jifs-236145>

Fei Luan, Biao Tang, Ye Li, Shi Qiang Liu, Xueqin Yang, Mahmoud Masoud, Baoyu Feng (2024). Solving multi-objective green flexible job shop scheduling problem by an improved chimp optimization algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(4), 7697-7710. <https://doi.org/10.3233/jifs-236157>

Asha Abraham, R. Kayalvizhi, Habeeb Shaik Mohideen (2024). A hybrid stacking classifier with feature selection for handling imbalanced data. *Journal of Intelligent & Fuzzy Systems*, 46(4), 9103-9117. <https://doi.org/10.3233/jifs-236197>

Xiaojun Bai, Haiyang Jia, Yanfang Fu, Yu Ji, Suyang Li (2024). Remaining life prediction of aircraft engines based on IGOA-LSTM-FNN. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-16. <https://doi.org/10.3233/jifs-236225>

Haiyang Shen (2024). Hyper ensembled extreme gradient boosting techniques via novel triple algorithms to appraise the hardened properties of modern ternary admixed concrete. *Journal of Intelligent & Fuzzy Systems*, 46(3), 5767-5782. <https://doi.org/10.3233/jifs-236234>

Fuyun He, Huiling Feng, Xiaohu Tang (2024). Neuron image segmentation based on convolution and BN fusion and multi-input feature fusion. *Journal of Intelligent & Fuzzy Systems*, 46(4), 11139-11151. <https://doi.org/10.3233/jifs-236286>

Elanur Adar-Yazar, Buket Karatop, Selim Gökcan Karatop (2024). Assessing the risk and effect of climate change with two-layer fuzzy logic-SWARA: A comparative practice in Turkiye. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10695-10711. <https://doi.org/10.3233/jifs-236298>

T. Sudarson Rama Perumal, A. Jegatheesan, A. Jayachandran (2023). Two stages cascades neural network for multi-class brain lesion classification system in MRI images. *Journal of Intelligent & Fuzzy Systems*, 44(3), 4717-4732. <https://doi.org/10.3233/jifs-220308>

Zhigang Xu, Yugen Li (2024). Construction site environment helmet detection method based on multi-scale context and attention fusion. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-236385>

Junfeng Qiao, Lin Peng, Aihua Zhou, Sen Pan, Pei Yang, Min Xu, Xiaofeng Shen, Jingde Chen, Hua Gu (2024). An improved electric equipment fault prediction based on recursive multi-parameter prediction algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8025-8035. <https://doi.org/10.3233/jifs-236459>

Milner Paul, Shuma Adhikari, Loitongbam Surajkumar Singh, Adarsh V. Parekkattil, George Athappilly (2024). A novel technological system for enhancing the learning capabilities of intellectually challenged children using electrical stimulations. *Journal of Intelligent & Fuzzy Systems*, 46(1), 1735-1752. <https://doi.org/10.3233/jifs-236583>

Jiankai Chen, Zhongyan Li, Xin Wang, Junhai Zhai (2024). Adaptive prototype selection algorithm for fuzzy monotonic K-nearest neighbor. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-22. <https://doi.org/10.3233/jifs-236643>

Xin-Feng Du, Jie-Sheng Wang, Wei-Zhen Sun, Zhi-Hao Zhang, Yun-Hao Zhang (2024). Bi-directional ConvLSTM residual U-Net retinal vessel segmentation algorithm with improved focal loss function. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10167-10186. <https://doi.org/10.3233/jifs-236702>

Huawei Zhan, Junjie Li, Gaoyong Wei, Chengju Han (2024). Intelligent UAV fire monitoring method based on improved YOLOv5 algorithm. *Journal of Intelligent & Fuzzy Systems*, 46(4), 8139-8151. <https://doi.org/10.3233/jifs-236836>

Zhiyuan Li, Chunhua Hu, Zhanshan Hou (2024). Evaluation of individual innovation and entrepreneurship effect based on linear space model and grey correlation. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-15. <https://doi.org/10.3233/jifs-236992>

Sana Tariq, Asjad Amin (2024). Deep learning model for predicting genetic diseases using DNA sequence data. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-11. <https://doi.org/10.3233/jifs-238159>

Shabbir Hassan (2024). Dynamic round robin with adaptive time quanta (DRRATQ): A proposed algorithm. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-16. <https://doi.org/10.3233/jifs-238624>

Qian Zhang, Enrui Bai, Mingwen Shao, Hong Liang (2024). Video-MLP: Convolution-free, attention-free architecture for video classification. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-240310>

T. Vaikunta Pai, Manmohan Singh, Nazeer Shaik, C. Ashokkumar, D. Anuradha, Amit Gangopadhyay, Goda Srinivasa Rao, T.Sunilkumar Reddy, D. Nagaraju (2024). AI-enhanced forecasting of Indian primary energy demand: Fuzzy auto-regressive distributed lag models. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-12. <https://doi.org/10.3233/jifs-240729>

Hoai Nam Vu, Quang Dung Nguyen, Thuy Linh Nguyen, Dat Tran-Anh (2024). Fusion of Mask RCNN and multi-augmentation for rice recognition. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-10. <https://doi.org/10.3233/jifs-241133>

Saima Saleem, Anuradha Khattar, Monica Mehrotra (2024). A multimodal transfer learning framework for the classification of disaster-related social media images. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-18. <https://doi.org/10.3233/jifs-241271>

Mohsen Gheitasi, Mohammad Reza Feylizadeh, Roya M. Ahari (2022). A multi-objective mathematical model of financial flows in Omni-Channel distribution systems. *Journal of Intelligent & Fuzzy Systems*, 42(6), 4851-4879. <https://doi.org/10.3233/jifs-202785>

Xuemei Guan, Wenfeng Li, Qinglong Huang, Jingyi Huang (2022). Intelligent color matching model for wood dyeing using Genetic Algorithm and Extreme learning machine. *Journal of Intelligent & Fuzzy Systems*, 42(6), 4907-4917. <https://doi.org/10.3233/jifs-210618>

Nan Zhang, Xiaoming Xue, Wei Jiang, Yuanhui Gu, Liping Shi, Xiaogang Chen, Jianzhong Zhou (2022). A composite framework coupling FCRM, LSSVM and improved hybrid IHHOMFO optimization for Takagi–Sugeno fuzzy model identification. *Journal of Intelligent & Fuzzy Systems*, 43(3), 3575-3598. <https://doi.org/10.3233/jifs-211093>

Samreen Kazi, Maria Rahim, Shakeel Khoja (2023). A deep learning approach to building a framework for Urdu POS and NER. *Journal of Intelligent & Fuzzy Systems*, 44(2), 3341-3351. <https://doi.org/10.3233/jifs-211275>

Yue Lizhu, Yao Liwei (2023). How to overcome the instability of AHP weight? —Partial order analysis method based on the lower limit of the proportion. *Journal of Intelligent & Fuzzy Systems*, 44(3), 4843-4852. <https://doi.org/10.3233/jifs-213294>

Saima Siraj Qureshi, Jingsha He, Sirajuddin Qureshi, Nafei Zhu, Zulfiqar Ali Zardari, Tariq Mahmood, Ahsan Wajahat (2023). SDN-enabled Deep Learning based Detection Mechanism (DDM) to tackle DDoS attacks in IoTs. *Journal of Intelligent & Fuzzy Systems*, 44(6), 10675-10687. <https://doi.org/10.3233/jifs-220932>

Lian Lian (2023). A stochastic configuration networks based on Harris hawks optimizer. *Journal of Intelligent & Fuzzy Systems*, 44(6), 9091-9107. <https://doi.org/10.3233/jifs-222395>

N. Venkata Saichand, S. Gopiya Naik (2024). Epileptic seizure detection using improved empirical mode decomposition and improved weight updated KNN. *Journal of Intelligent & Fuzzy Systems*, 46(4), 10345-10358. <https://doi.org/10.3233/jifs-222960>

Bailin Lv, Sijia Wang, Kaijian Xia, Yizhang Jiang (2023). Multiview collaboration learning classification model of stock data based on view weighting mechanism. *Journal of Intelligent & Fuzzy Systems*, 45(4), 5251-5264. <https://doi.org/10.3233/jifs-223202>

Tuba Adar, Elif Kılıç Delice, Orhan Delice (2024). A user-friendly AI-based clinical decision support system for rapid detection of pandemic diseases: Covid-19 and Monkeypox. *Journal of Intelligent & Fuzzy Systems*, 46(2), 5343-5358. <https://doi.org/10.3233/jifs-232477>

Eman Alqaissi, Fahd Alotaibi, Muhammad Sher Ramzan, Abdulmohsen Algarni (2024). Detection and real-time analysis of influenza disease using graph data science and a multi-layer perceptron model. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-22. <https://doi.org/10.3233/jifs-233381>

Ashoka Kumar Ratha, Santi Kumari Behera, A. Geetha Devi, Nalini Kanta Barpanda, Prabira Kumar Sethy (2024). Optimizing precision agriculture: Bayesian-enhanced papaya (*Carica papaya L.*) fruit disease classification via cubic SVM and ResNet-101 deep features. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-17. <https://doi.org/10.3233/jifs-239875>

A. Sathish, A. Bajulunisha, R. Sridevi, S. Vatchala (2022). Biometric authentication utilizing fuzzy extractor with PSO based security ensuring the data security mechanism as Trio in Cloud. *Journal of Intelligent & Fuzzy Systems*, 42(6), 4805-4819. <https://doi.org/10.3233/jifs-200469>

K. Uma, B. Sathya Bama, D. Sabarinathan, S. Md. Mansoor Roomi (2022). Identification and retrieval of medicinal plants of Southern India using EfficientB4Net. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5097-5112. <https://doi.org/10.3233/jifs-211426>

Xiong Ding, Jinding Gao (2022). A new intelligent fire color space approach for forest fire detection. *Journal of Intelligent & Fuzzy Systems*, 42(6), 5265-5281. <https://doi.org/10.3233/jifs-211816>

P. Pavithra, B. Hariharan (2022). Optimal secure fuzzy based multi keyword search over ciphered e-mail in cloud. *Journal of Intelligent & Fuzzy Systems*, 43(6), 7363-7375. <https://doi.org/10.3233/jifs-213521>

S. Parvathi, P. Vaishnavi (2023). An efficient breast cancer detection with secured cloud storage & reliability analysis using FMEA. *Journal of Intelligent & Fuzzy Systems*, 44(4), 5659-5674. <https://doi.org/10.3233/jifs-221973>

Vinay H. Keswani, Paritosh Peshwe (2024). MSFGQ: Design of an efficient Multiparametric model for improving sub-field scheduling performance via novel GA & Q-Learning optimizations. *Journal of Intelligent & Fuzzy Systems*, Advance online publication, 1-14. <https://doi.org/10.3233/jifs-233784>