BIO-DATA

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Invited Talk/Lecture in International Workshop/Symposium/Conference: 16

Invited Talk/Lecture in National Workshop/Symposium/Conference: 185

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No. of Publications of SCI/SCIE/Scopous indexed Journals

1. Agrawal R. K., (with Avni Mishra, Jyoti Singh Kirar), Decomposed Residual-Based Fuzzy C-Means Clustering for Medical Image Segmentation, IEEE Signal Processing Letters, (2026), Accepted
2. Agrawal R. K., (with Jyoti Singh Kirar), Identifying significant spectral and spatial features using Graph Theoretic Quantum Genetic Algorithm for Motor Imagery Brain Computer Interface, Journal of Statistical Theory and Practice, (2026), Accepted
3. Agrawal R. K., (with P Agarwal, B Kaur, S Mirjalili), Efficient Feature Selection with Multiple Equivalent Subsets Using a Multi-objective Quantum-inspired Evolutionary Approach (2026), Accepted
4. Agrawal R. K., (with Chayanika Bhattacharjee, Aditi Priya), Hybrid of Handcrafted features and Learnable features using Multimodal Fusion Network for Brain tumor segmentation, Computational Intelligence, 42 (2), (2026): e70208
5. Agrawal R. K., (with K. Dastidar), Equilibrium bidding and expected revenue ranking when bidders have outside options, Research in Economics (2026): 101140
6. Agrawal R. K., (with Pankaj, S Senthil Kumaran, Achal Kumar Srivastava, M Kumar, S Chaudhari, A Nehra, A Garg, R Ranjan, R M Pandey, D Joshi), Metabolic and Structural Insights of Cerebellar Dysfunction in Spinocerebellar Ataxia Type 12, Magnetic Resonance in Chemistry, 64 (2), 237-250, (2026)
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10. Agrawal R. K., (with Snigdha Agrawal; S Senthil Kumaran; Bharti Rana; Achal Kumar Srivastava), Integration of graph network with kernel SVM and logistic regression for identification of biomarkers in SCA12 and its diagnosis, Cerebral Cortex, 34 (4), 38679476, (2024)
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13. Agrawal R. K., (with D Kumar, Puneet Kumar), Fast and robust spatial fuzzy bounded k-plane clustering method for human brain MRI image segmentation, Applied Soft Computing, 133, 109939 (2023)
14. Agrawal R. K., (with Baljeet Kaur, Swati Rathi), Enhanced Depression Detection from Speech using Quantum Whale Optimization Algorithm for Feature Selection, Computers in Biology and Medicine, 150, 106122, November (2022)
15. Agrawal R. K., (with Baljeet Kaur, Parul Agarwal), Multi-objective particle swarm optimization with guided exploration for multimodal problems, Applied Soft Computing, 120, 108684, (2022)
16. Agrawal R. K., (with Swati Rathi, Baljeet Kaur), Selection of Relevant Visual Feature Sets for Enhanced Depression Detection using Incremental Linear Discriminant Analysis. Multimedia Tools Appl. 81(13), 17703-17727 (2022)
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Publications in Proceedings of Conferences

1. Agrawal R. K. (Mishra Rashmi), MSST-EEGNet: Multi-scale spatio-temporal feature extraction using inception and temporal pyramid pooling for motor imagery classification, Conference on Artificial Intelligence, Plash University, Mohali, India, (November 28-30, 2025).
2. Agrawal R. K. (Kumari, Pinki), Adaptive Spatial Information in Conjunction with Type-1 Fuzzy Clustering for Skin Lesion Segmentation, International Conference on Artificial Intelligence(ICAI), Shillong, India (4th October 2025).
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4. Agrawal R. K. (Avni Mishra, Pinki Kumari), Neutrosophic Clustering Method with Local Spatial Information

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28. Agrawal R. K., (Ratnadip Adhikari), Combining Multiple Time Series Models Through A Robust Weighted Mechanism, First IEEE International Conference on Recent Advances in Information Technology (RAIT), ISM Dhanbad, Jharkhand (INDIA); 455 – 460, 2012
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- Member, Nokia Advisory Committee, IIT Delhi
- Member, Project Review and Steering Group, DST

- Member, Project Review and Steering Group for the project at: CDAC Mohali; Tezpur University; Assam University; MNIT, Jaipur
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- Expert Member, Scientific Expert Committee for evaluation of ASIAN-India R&D proposals, SERB, N Delhi
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- Chairman, New course committee, Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha, New Delhi
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