

PUBLICATIONS

International Journals

18. Astha Singh and Divya Kumar, “Computer assisted identification of stress, anxiety, depression (SAD) in students: A state-of-the-art review”, *Journal of Medical Engineering and Physics (Scopus Indexed)*, Elsevier (2022).
17. Astha Singh and Divya Kumar, “Detection of Stress, Anxiety and Depression (SAD) in Video Surveillance Using ResNet-101”, *Journal of Microprocessors and Microsystems (SCI Indexed)*, Elsevier (2022).
16. Astha Singh and Divya Kumar, “Gauging Stress, Anxiety, Depression in Student during COVID-19 Pandemic”, *Journal of Scalable Computing (Scopus Indexed)*, (2022).
15. Astha Singh, S Prakash, A Kumar and Divya Kumar, “A Proficient Approach for Face Detection and Recognition Using Machine Learning and High-performance Computing”, *Journal of Concurrency and Computation: Practice and Experience (SCIE Indexed)*, John Wiley and Sons Ltd (2021).
14. K. Singh, Gargi Mishra and Divya Kumar, “Conjugate Effects of COVID-19 and TRIPS on the Pharmaceutical Drug Prices and Marketing Strategies”, *Journal of Pharmaceutical Negative Results (Scopus Indexed)*, Wolters Kluwer Health (2022).
13. Kunal Jain, S. Gupta and Divya Kumar, “Multi-objective Power Distribution Optimization Using NSGA-II”, *International Journal for Computational Methods in Engineering Science and Mechanics (MathSciNet)*, Taylor and Francis (2021).
12. Ashok B., M. Wairiya and Divya Kumar, “Diabetes Diagnosis using Ensemble Models in Machine Learning”, *Turkish Journal of Computer and Mathematics Education (Scopus Indexed)* (2021).
11. Ankur Maurya and Divya Kumar, “Translation of SysML Diagram into Mathematical Petri-net Model for Quantitative Reliability Analysis of Airbag System”, *International Journal of Vehicle Design (SCI Indexed)*, Inderscience Publishers (2021).
10. S. Gupta, Divya Kumar and K. K. Mishra, “Chaotic and Co-variance Based Artificial Bee Colony Algorithm”, *The Journal of Multiple-Valued Logic and Soft Computing (SCI Indexed)*, Oldcity Publishing (2020).
9. Dharendra K. Shukla, Divya Kumar and D. S. Kushwaha, “Task Scheduling to Reduce Energy Consumption and Makespan of Cloud Computing Using NSGA-II”, *Journal of Materials Today: Proceedings, (Scopus Indexed)*, Elsevier (2020).
8. Ankur Maurya and Divya Kumar, “Reliability of Safety-critical Systems: A State-of-the-art Review”, *Journal of Quality and Reliability Engineering, (SCI Indexed)*, John Wiley and Sons Ltd (2020).
7. Dharendra K. Shukla, Divya Kumar and D. S. Kushwaha, “Makespan Optimization for Dependent Task Scheduling On Multiprocessing System Using Beta ABC”, *Journal of Advanced Research in Dynamical and Control Systems, (Scopus Indexed)*, Institute of Advanced Scientific Research (2020).
6. Dharendra K. Shukla, Divya Kumar and D. S. Kushwaha, “An Efficient Tasks Scheduling Algorithm for Batch Processing Heterogeneous Cloud Environment”, *International Journal of Advanced Intelligence Paradigms, (Scopus Indexed)*, Inderscience Publications, (2020).

5. Siddhartha Dwivedi and Divya Kumar, “[Tri-Objective NSGA-II Based Methods for Load Balancing](#)”, *International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus Indexed)*, Blue Eyes Intelligence Engineering and Sciences Publication (2019).
4. Divya Kumar and K. K. Mishra, “[Co-variance guided Artificial Bee Colony](#)” *Journal of Applied Soft Computing (SCI Indexed)*, Elsevier (2018).
3. Divya Kumar and K. K. Mishra, “[Portfolio Optimization Using Novel Co-variance Guided Artificial Bee Colony Algorithm](#)” *Journal of Swarm and Evolutionary Computation (SCI Indexed)*, Elsevier (2017).
2. Divya Kumar and K. K. Mishra, “[Multi-objective Optimization Using Co-variance Guided Artificial Bee Colony](#)”, *Journal of Information Science and Engineering (SCI Indexed)*, IISE Publishing Services (2016).
1. P. Bhatia, K. K. Mishra, Divya Kumar and Anoj Kumar, “[An Improved-Time Varying Acceleration Coefficient Based PSO](#)”, *The Journal of Multiple-Valued Logic and Soft Computing (SCI Indexed)*, Oldcity Publishing (2016).

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6. Ankur Murya, Sharad Nigam and Divya Kumar, “[Ensuring Liveliness Property in Safety-critical Systems Using Petri-net](#)”, *Advances in Cyber Security and Intelligent Analytics*, CRC Press Taylor & Francis (2021).
5. Ankur Maurya and Divya Kumar, “[Reliability Analysis of Safety-critical Airbag System with Bumper Guard During a Collision](#)”, *International Conference Technology Management and Societal Applications*, Springer Book Series on Cognitive Science and Technology (2021).
4. Gaurav Katare, Ankur Maurya and Divya Kumar, “[Personality Prediction from text of Social Networking Sites by Combining Myers-Briggs and Big-Five Models](#)”, *International Conference Technology Management and Societal Applications*, Springer Book Series on Cognitive Science and Technology (2021).
3. Divya Kumar, “[IoT Architecture](#)”, *Internet of Things Concepts and Applications*, edited by K. N. R. Rao, Wiley International Publishers (2021).
2. Ankur Murya, Divya Kumar and RK Agarwal, “[Speaker Recognition for Hindi Speech Signal using MFCC-GMM Approach](#)”, *The 6th International Conference on Smart Computing and Communications*, Elsevier Procedia Computer Science (2018).
1. Divya Kumar and K. K. Mishra, “[The Impacts of Test Automation on Software’s Cost, Quality and Time to Market](#)”, *International Conference on Communication, Computing and Virtualization (ICCCV)*, Elsevier Procedia Computer Science (2016).

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26. Nishu Yadav, Astha Singh and Divya Kumar, “[Video-based Depression Detection Using Support Vector Machine](#)”, *4th International Conference on Computational Intelligence in Communications and Business Analytics*, Springer CCIS (2022).
25. Amitesh and Divya Kumar, “[A Blockchain Point of View of Supply Chain Problems in India](#)”, *International Conference on Emerging Electronics and Automation*, Springer LNEE (2021).

24. Astha Singh and Divya Kumar, “[Identification of Anxiety and Depression Using DASS-21 Questionnaire and Machine Learning](#)”, *IEEE First International Conference on Advances in Computing and Future Communication Technologies*, IEEE Xplore (2021).
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22. R. K. Rajput, A. Pandey, M. Wairiya and Divya Kumar, “[Permissioned Blockchain Model to Strengthen Food Supply Chain During COVID-19 Pandemic](#)”, *International Conference on IoT Based Control Networks & Intelligent Systems*, Elsevier SSRN (2021).
21. Astha Singh and Divya Kumar, “[Gauging Stress and its Effect Among Indian Engineering Students](#)”, *3rd International Conference on Computational Intelligence in Communications and Business Analytics*, Springer CCIS (2021).
20. H. R. Chauhan, S. Dwivedi, R. Biswas, M. Prakash and Divya Kumar, “[BrainSense: A Sequential Emotion Classification Model](#)”, *IEEE International Conference for Innovation in Technology*, IEEE Xplore (2020).
19. Madhurendra Purbay and Divya Kumar, “[Split Behavior of Supervised Machine Learning Algorithms for Phishing URL Detection](#)”, *2nd International Conference on, Communication and Signal Processing*, Springer LNEE, (2019).
18. Pankaj Joshi, Sachin Kumar, Divya Kumar and A. K. Singh, “[A Blockchain Based Framework for Fraud Detection](#)”, *International Conference on Next Generation Computing Applications*, IEEE Xplore (2019).
17. J. Ghosh, Divya Kumar and Rajesh Tripathi, “[Features Extraction for Network Intrusion Detection Using Genetic Algorithm](#)”, *International Conference on Cybernetics, Cognition and Machine Learning Applications*, Springer SCI (2019).
16. Anant Ram Dubey, Nidhi Shukla and Divya Kumar, “[Detection and Classification of Road Signs Using HOG-SVM Method](#)”, *6th International Conference on Advanced Computing, Networking, and Informatics*, Springer AISC (2018).
15. Arpit and Divya Kumar, “[Calculus of Concurrent Probabilistic Reversible Processes](#)”, *7th International Conference on Computer and Communication Technology*, ACM Digital Library (2017).
14. Aditya Singh and Divya Kumar, “[Novel ABC Based Training Algorithm for Ovarian Cancer Detection Using Neural Network](#)”, *International Conference on Trends in Electronics and Informatics*, IEEE Xplore (2017).
13. Priyanka Paliwal and Divya Kumar, “[ABC Based Neural Network Approach for Churn Prediction in Telecommunication Sector](#)”, *International Conference on Information and Communication Technology for Intelligent Systems*, Springer SIST (2017).
12. Shailendra P Singh and Divya Kumar, “[Constrained Problem Optimization using Altered Artificial Bee Colony Algorithm](#)”, *9th International Conference on Machine Learning and Computing*, ACM Digital Library (2017). [**Best Paper Award**]
11. Anandita, D. P. Yadav, P Paliwal, Divya Kumar and R. Tripathi, “[A Novel Ensemble Based Identification of Phishing E-Mails](#)”, *9th International Conference on Machine Learning and Computing*, ACM Digital Library (2017).

10. Divya Kumar and K. K. Mishra, “[Artificial Bee Colony as a Frontier in Evolutionary Optimization: A Survey](#)”, *International Conference on Computer, Communication and Computational Sciences*, Springer ACCS (2016).
9. Kunal Keshwani, Piyush Agarwal, Divya Kumar and Ranvijay, “[Prediction of Market Movement of Gold, Silver and Crude Oil Using Sentiment Analysis](#)”, *International Conference on Computer, Communication and Computational Sciences*, Springer ACCS (2016).
8. Priyanka Paliwal and Divya Kumar, “[Green IT and Environmental Sustainability Issues](#)”, *2nd International Conference on ICT for Sustainable Development*, Springer LNNS (2016).
7. Shashank Gupta, Divya Kumar and K. K. Mishra, “[Truss Structure Optimization Using Co-variance Based Artificial Bee Colony Algorithm](#)”, *7th International Conference on Swarm Intelligence*, Springer LNCS (2016).
6. Arnima Chaurasia, Shailendra Pratap Singh and Divya Kumar, “[Emotion Recognition on the Basis of Eye and Mouth](#)”, *2nd International Research Symposium on Computing and Network Sustainability*, Springer LNNS (2016).
5. Shashank Srivastava, Divya Kumar and S. Chandra, “[Trust Analysis of Execution Platform for Self Protected Mobile Code](#)”, *4th IEEE International Conference on Advances in Computing, Communications and Informatics*, IEEE Xplore (2015).
4. Divya Kumar and K. K. Mishra, “[Incorporating logic in Artificial Bee Colony \(ABC\) algorithm to solve first order logic problems: The logical ABC](#) ” *2015 7th IEEE International Conference on Knowledge and Smart Technology*, IEEE Xplore (2015).
3. A. Tripathi, Divya Kumar, K. K. Mishra and A. K. Misra, “[GA-EAM Based Hybrid Algorithm](#) ” *International Conference on Intelligent Computing*, Springer LNCS (2014).
2. Divya Kumar, D. Kashyap, K. K. Mishra and A. K. Misra, “[Routing Path Determination Using QoS Metrics and Priority Based Evolutionary Optimization](#)” *13th IEEE International Conference on High Performance Computing and Communications*, IEEE Xplore (2011).
1. Divya Kumar, D. Kashyap, K. K. Mishra and A. K. Misra, “[Security vs cost: An Issue of Multi-Objective Optimization for Choosing PGP Algorithms](#)” *IEEE International Conference on Computer and Communication Technology*, IEEE Xplore (2010).