

PCE Faculty Publications A.Y 2022-23

Journal Publications:

1. **Mrs. Archana Ingole** authored *On the Coefficients of Skew Laplacian Characteristic Polynomial of Digraphs*, published in *Discrete Mathematics, Algorithms and Applications* (May 2023), ISSN 1793-8309 (Print).
2. **Dr. Surabhi** authored *Sustainable Utilization of Fly Ash in Smart Cities*, published in the *International Journal of Innovative Research in Technology* (March 2023), ISSN 2349-6002.
3. **Dr. Ravindra R. Nikam** authored *Neutron Diffraction Studies of Fe-substituted Mn₂O₃*, published in the *Indian Journal of Physics* (February 2023), ISSN 0973-1458 (Print) and 0974-9845 (Web).
4. **Dr. Malavika Sharma** authored *Game Based Learning – An Effective Cognitive Tool for Learner Engagement*, published in *Shodhasamhita: Journal of Fundamental and Comparative Research* (October 2022), ISSN 2277-7067.
5. **Dr. Sharvari Govilkar** authored *Identifying Severity of Cyberbullying Using Scalable Labeled Multi-Platform Dataset*, published in the *International Journal of Intelligent Systems and Applications in Engineering* (March 2023), ISSN 2147-6799.
6. **Dr. Sharvari Govilkar** authored *Fake Profile Recognition Using Profanity and Gender Identification on Online Social Networks*, published in the *International Journal on Social Network Analysis and Mining* (December 2022), ISSN 170 (2022).
7. **Dr. Sharvari Govilkar** authored *Prediction System for Stock Market Indices Using Machine Learning*, published in the *Journal of Emerging Technologies and Innovative Research* (October 2022), ISSN 2349-5162.
8. **Dr. Sharvari Govilkar** authored *Investigating Efficiency of Machine Learning Algorithms over Prediction of Stock Market Indices*, published in the *Journal of Emerging Technologies and Innovative Research* (September 2022), ISSN 2349-5162.
9. **Dr. Prashant Nitnaware** authored *Optimal Blockchain Integration in IoT Systems*, published in the *Journal of Computer Information Systems* (April 2023), DOI: 10.1080/08874417.2023.2193943.
10. **Dr. Sushopti Gawade** authored *Detection of Arrhythmia Using Weightage-Based Supervised Learning System for COVID-19*, published in *Intelligent Systems with Applications*, Elsevier (November 2022), Online ISSN 2667-3053.
11. **Dr. Sushopti Gawade** authored *Application of the Convolutional Neural Networks and Supervised Deep-Learning Methods for Osteosarcoma Bone Cancer Detection*, published in *Healthcare Analytics*, Elsevier (November 2023), E-ISSN 2772-4425.
12. **Dr. Sushopti Gawade** authored *A Decision Support System for Selecting the Most Suitable Machine Learning in Healthcare Using User Parameters and Requirements*, published in *Healthcare Analytics* (November 2022), E-ISSN 2772-4425.
13. **Dr. Sushopti Gawade** authored *Engineering Students Case Study: Impact of Various Factors for E-Learning During COVID-19*, published in the *Journal of Positive School Psychology* (July 2022), ISSN 2717-7564.

14. **Mrs. Varunakshi Bhojane** authored *Performance Analysis of Neural Networks for Offensive-Hinglish Detection*, published in the *International Journal of Novel Research and Development* (April 2023), ISSN 2456-4184.
15. **Dr. Niteshkumar Agarwal** authored *Modulation of Mitochondria by Viral Proteins*, published in *Life Sciences*, Elsevier (January 2023), ISSN 0024-3205.
16. **Dr. Niteshkumar Agarwal** authored *A Compact Formulation of All-Optical Signal Router by Using Plasmonic Waveguides*, published in *Optical and Quantum Electronics*, Springer (June 2022), ISSN 0306-8919.
17. **Mrs. Gayatri Hegde** authored *Bitcoin Price Analysis Using Twitter Tweets*, published in *Zeichen Journal* (March 2023), ISSN 0932-4747.
18. **Mrs. Gayatri Hegde** authored *Image Forgery Detection*, published in the *Journal for Basic Sciences* (April 2023), ISSN 1006-8341.
19. **Mrs. Gayatri Hegde** authored *Bitcoin Price Prediction Using Deep Learning*, published in the *International Journal for Research in Applied Science & Engineering Technology (IJRASET)* (April 2023), ISSN 2321-9653.
20. **Mrs. Gayatri Hegde** authored *Indian Sign Language Recognition System for Deaf and Dumb Using CNN*, published in the *International Journal of Scientific Engineering and Research (IJSER)* (April 2023), Online ISSN 2347-3878.
21. **Mrs. Gayatri Hegde** authored *E-Store Grocery at Your Doorstep*, published in the *Journal of Emerging Technologies and Innovative Research* (May 2023), ISSN 2349-5162.
22. **Mrs. Payel Gaurav Thakur** authored *Fruit Ripeness Detection Using Convolutional Neural Network*, published in the *Journal of Emerging Technologies and Innovative Research (JETIR)* (April 2023), ISSN 2349-5162.
23. **Mrs. Payel Gaurav Thakur** authored *Plant Disease Identifier Using Deep Learning*, published in the *Gradiva Review Journal* (April 2023), ISSN 0363-8057.
24. **Mrs. Nair Krishnendu** authored *Handwritten Digit Recognition Using SVM*, published in the *Journal for Emerging Technologies and Innovative Research (JETIR)* (April 2023), ISSN 2349-5162.
25. **Mrs. Sheetal Gawande** authored *Deep Learning Based Multi-class Brain Tumor Classification*, published in the *International Research Journal of Engineering and Technology (IRJET)* (April 2023), E-ISSN 2395-0056.
26. **Mrs. Shubhangi Chavan** authored *Travel Document Management System Using Blockchain*, published in the *International Journal of Innovative Research in Computer and Communication Engineering* (April 2023), E-ISSN 2320-9801 and P-ISSN 2320-9798.
27. **Dr. Sanjeev Kumar Srivastava** authored *Crime Risk Forecasting Using Cyber Security and Artificial Intelligence*, published in the *Journal of Bio Medical Engineering* (December 2022), ISSN 1001-5515.
28. **Mr. Ameet M. Mehta** authored *Gain and Bandwidth Enhancement of a CPW-Fed Bidirectional Dumbbell Shaped Slot Antenna Using PRS*, published in *Progress in Electromagnetics Research Letters* (November 2022), E-ISSN 1937-6480.
29. **Dr. Satishkumar L. Varma** authored *Secure SDN-IoT Framework for DDoS Attack Detection Using Deep Learning and Counter-Based Approach*, published in the *Journal of Network and Systems Management* (June 2023), Article Number 54 (2023).

30. **Ms. Vijayabharathi J** authored *Predictive Analytics of User Cognitive Styles in Online Shopping*, published in the *International Journal of Computational Intelligence Studies* (February 2023), Volume 11, No. 3–4 (2022), pp. 279–297.
31. **Ms. Vijayabharathi J** authored *AI Based Multimodal Emotion and Behavior Analysis of Interviewee*, published in the *International Journal of Scientific Research in Engineering and Management (IJSREM)* (April 2023), ISSN 2582-3930.
32. **Dr. D. P. Tambuskar** authored *An Exploration into the Factors Influencing the Implementation of Big Data Analytics in Sustainable Supply Chain Management*, published in *Kybernetes*, an Emerald Publication (2023), ISSN 0368-492X.
33. **Dr. D. P. Tambuskar** authored *Role of Supply Chain in Disaster Relief: A Study on Shortage of Medical Oxygen During Second Wave of COVID-19 in India*, published in the *Industrial Engineering Journal* (2023), ISSN 0970-2555.
34. **Dr. D. P. Tambuskar** authored *Is the Implementation of Big Data Analytics in Sustainable Supply Chain Really a Challenge? The Context of Indian Manufacturing Sector*, published in the *International Journal of Innovation and Technology Management*, World Scientific (July 2023), ISSN 0219-8770 (Print) and 1793-6950 (Web).
35. **Dr. D. P. Tambuskar** authored *A Roadmap for Implementation of Big Data Analytics in Sustainable Supply Chain Management*, published in the *Industrial Engineering Journal* (July 2023), ISSN 0970-2555.
36. **Dr. Jeet P. Patil** authored *Design of a Biaxial Cruciform Specimen with a High Degree of Plastic Deformation and Yield Locus Evolution*, published in *Experimental Mechanics* (April 2023), ISSN 0014-4851.
37. **Dr. Jeet P. Patil** authored *Effect of Hyperelastic Pre-stretching on Thickness Distribution of Pressure Thermoformed Products*, published in the *Journal of Elastomers & Plastics* (February 2023), ISSN 0095-2443.
38. **Dr. Jeet P. Patil** authored *Effect of Lubrication on Contact Thermoforming: Thermal Aspect*, published in *Materials Today: Proceedings* (January 2023), ISSN 2214-7853.