

## Academic Session (2022-2023)

### International/National Journals

1. Chitvan Gupta, **Laxman Singh**, Rajdev Tiwari, “Malicious Node Detection in Vehicular Ad-hoc Network (VANET) using Enhanced Beacon Trust Management with Clustering Protocol (EBTM-CP)”, Wireless Personal Communications, Springer, March 2023.
2. Surya Prakash Sharma, **Laxman Singh**, Rajdev Tiwari, “**Integrated feature engineering based deep learning model for predicting customer’s review helpfulness**”, Journal of Intelligent & Fuzzy Systems, March 2023.
3. Jay Kant Pratap Singh Yadav, **Laxman Singh**, Zainul Abdin Jaffery, “**Optimization of Hopfield Neural Network (HNN) using multiconnection and Lyapunov Energy Function (LEF) for storage and recall of handwritten images**” Sadhana , Springer, Feb 2023.
4. Rajeev Kumar, **Laxman Singh**, Rajdev Tiwari “**Novel Reinforcement Learning Guided Enhanced Variable Weight Grey Wolf Optimization (RLV-GWO) Algorithm for Multi-UAV Path Planning**”, Wireless Personal Communications, 12 June 2023. (SCIE).
5. Deepkiran Munjal, **Laxman Singh**, Mrinal Pandey, Sachin Lakra, “**A Systematic Review on the Detection and Classification of Plant Diseases Using Machine Learning**”, International Journal of Software Innovation Volume 11, Issue 1, Jan 2023.
6. Surya Prakash Sharma, **Laxman Singh**, Rajdev Tiwari, “**Prediction of Customer Review’s Helpfulness Based on Feature Engineering Driven Deep Learning Model**”, International Journal of Software Innovation Volume 11, Issue 1, Jan 2023.
7. Manoj Diwakar, Pradeep Kumar, Prabhishek Singh, Amrendra Tripathi, **Laxman Singh**, “**An efficient reversible data hiding using SVD over a novel weighted iterative anisotropic total variation based denoised medical images**”, Biomedical Signal Processing and Control 82 (2023)(104563):pp. 1-10, December 2022.

8. **Anand Kumar Singh, Ram Sevak Singh, Arun Kumar Singh** “**Recent Developments in Chemical Doping of Graphene using Experimental Approaches and its Applications**”, Advanced Engineering Materials, Wiley Publications, 07 July 2022. (SCIE)
9. Kalyanapu Srinivas, **Laxman Singh**, Subba Reddy Chavva, Bhasker Dappuri, Saravanan Chandrasekaran, Shamimul Qamar, “**Multi-modal cyber security based object detection by classification using deep learning and background suppression techniques**”, Computers and Electrical Engineering 103 (2022) 108333, 08 Sept 2022. (SCIE)
10. Chitvan Gupta, **Laxman Singh**, Rajdev Tiwari, “**Wormhole attack detection techniques in ad-hoc network: A systematic review**”, Open Computer Science, Aug 2022. (SCOPUS)
11. M. Ramanan, **Laxman Singh**, A. Suresh Kumar, A. Suresh, A. Sampath kumar, Vishal Jain, Nebojsa Bacanin, “**Secure blockchain enabled Cyber- Physical health systems using ensemble convolution neural network classification**”, Computers & Electrical Engineering, July 2022. (SCIE)
12. Vinay Mohan, **Niraj Agrawal**, A. K. Gautam, **V. M. Kapse**, Md. Sazid, N. Z. Rizvi, “**Enabling highly - efficient OLED with solution - processed nanocrystalline copper phthalocyanine hole - injection/transport layer**”, Semiconductor Science and Technology 37(2022) 095012 (10pp), Aug - 2022 (SCI)
13. Neelesh Kumar Gupta, **Pavan Kumar Shukla**, Pushplata, “**A wideband metamaterial linear to linear conversion for X-band applications**”, International Journal of Microwave and Wireless Technologies, Cambridge University Press 12 Aug 2022, pp. 1-10 (SCIE)
14. **Shilpee Patil**, Alka Verma, Anil Kumar Pandey, Amit Kumar Kesarwani, **V. K. Pandey**, **Vinod M. Kapse**, “**A Wideband and Wide Axial Ratio Bandwidth Circularly Polarized Antenna Loaded with Circular Ring Slot**”, Journal of Microwaves, Optoelectronics and Electromagnetic Applications, Vol. 21, No. 4, December 2022. (SCI)
15. Srishti Kumari, Swati Singh, Rajneesh Kumar Singh, **V. K. Pandey**, Dinesh Kumar Singh, S. Pratap Singh, M. Lakshmanan, “**Performance Investigation of**

**Molecular Nano Communication Over Channels Under Dynamic Scenarios”,**  
Wireless Personal Communications, 19 April 2023. (SCI)

16. Ghanshyam Singh, Sachin Kumar, Ajay Abrol, Binod Kumar Kanaujia, **Vijay Kumar Pandey**, Mohamed Marey, Hala Mostafa, **“Frequency Reconfigurable Quad-Element MIMO Antenna with Improved Isolation for 5G Systems”**, Electronics 2023, 5 Feb 2023. (SCI)

### International/National Conference

1. Mohit Singh, **Pavan Kumar Shukla**, **“Modelling and Simulation of High Frequency Antenna with Amplifier”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
2. Atharva Tyagi, Nisha, **“Review of Advanced Agricultural Activity Monitoring system based on IoT”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
3. Sambhav Jain, Swarnima, **“Road Lane-Lines Detection in Real-Time for Advanced Driving Assistance Systems”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
4. M. Shekainah, Nidhi Sharma, **“Design and implementation of IOT based smart”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
5. Suchit Bhardwaj, Ashutosh Kumar Singh, **“Recent Advancements in Cancer Detection using Machine Learning”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
6. Ashutosh Tiwari, Pradumn Kumar Gupta, **“Design and Analysis of wideband MIMO Antenna Array for 5G Smartphone Applications”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
7. Ankit Raj, Dr. Prasanna Kumar Singh, **“Design And Analysis of Broadband Microstrip Patch Antenna”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
8. Tushar Kant, Khushboo, **“Design and Implementation of Smart Health Monitoring System”**, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.

9. Prakash Narayan Singh, Manish Kumar, “**Design and Implementation of Gesture Controlled Music System**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
10. Yatender Singh, Amit Kumar, “**Design and Implementation of IoT Water Pollution RC Boat**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
11. Shivam Yadav, Ravi Pandey, “**Real-Time Image Based Attendance System Using**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
12. Harsh Sharma, Himanshu Yadav, “**Text Recognition in Images and Converting Recognized Text to Speech**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
13. Archit Tripathi, Devendra Pratap, “**Automated detection of skin cancer using deep learning technique**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
14. Shubham Chaturvedi, Himanshu Yadav, “**Design of Slotted E-shaped Microstrip Antenna for Wireless Health Applications**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
15. Keshav sharma, Sarabjeet Kaur, “**Metamaterial-based patch antenna design with high performance and gain enhancement**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
16. Ayush Gupta, Dr. Pavan Kumar Shukla, “**Design & Implementation of 4-Bit Signed Binary Calculator**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
17. Chirag Rastogi, Dr. Prasanna Kumar Singh, “**Design and Simulation of Microstrip Patch Antenna Array for RFID System**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
18. Ankit Kumar, Dr. V.K. Pandey, “**Design and simulation of c shaped microstrip antenna**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.

19. Pawan Kumar, Md. Raza, “**Review Paper on Microstrip Patch Antenna**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
20. Divesh Shahi, Shikha Singh, “**IoT Virtual Doctor Robot with IV Bag Monitoring and Alert System**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
21. Shubham Pandey, Anshu Kumar, “**Design and Analysis of Car Prediction Model**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
22. Anurag, Dheeraj Tripathi, “**Bandwidth Enhancement of Microstrip Patch Antenna Using IE3D Software**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
23. Dhruv Kumar Jha, Dr. Dhananjay Singh, “**Design of Multitasking Robot**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
24. Naveen kumar, Dr. Kumod Kumar Gupta, “**Design of multimodality imaging system using machine learning**”, International Conference on Emerging Technologies and Innovations, March 1 - 2, 2023.
25. **Garima Shukla**, Arju Malik, Paramanand Sharma, Dolly Sharma, “A Survey: Improvement of QoS Via Load Balancing Approach in Parallel Distributed System”, 2nd International Conference on “Advancement in Electronics & Communication Engineering, 27 Jul 2022.
26. Aradhna Saini; Gaurav Dhuriya; Sofia K Pillai; **Garima Shukla**; Urvashi Agrawal; Hemant Kasana, “Impact of Internet of Things (IoT) in Healthcare: Challenges and Application”, 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC), 17-19 Aug. 2022.

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