

Journal Papers

Sl no .	Publish ed date	Details
1	09-01-2025	“Energy-efficient cluster-based routing in VANET assisted by hybrid jellyfish and beluga optimisation and fault tolerance”, International Journal of Vehicle Autonomous Systems, 2025 Vol.18 No.1, pp. 1-30, 2025. DOI: 10.1504/IJVAS.2025.143024 Authors: R.K. Mahesh; Shivkumar S. Jawaligi
2	12-01-2025	“Design of Multi-Stage Spectrum Sensing via Layer Customized Convolutional Neural Network for Cooperative Communication.” <i>Australian Journal of Electrical and Electronics Engineering</i>, January 2025, 1–16. doi:10.1080/1448837X.2024.2448383. Authors: Bharatnoor, Siddaling, and Vilaskumar M Patil.
3	23-08-2024	“VANET cluster-based routing protocol with link breakage handling: introduction to hybrid optimization algorithm”, <i>SIViP</i> 18, 7527–7536 (2024). https://doi.org/10.1007/s11760-024-03297-9 Authors: Mahesh, R.K., Jawaligi, S.S.
4	09-06-2024	"Memristor Ratioed Logic for Low Power Encoder Design", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.12, Issue 6, pp.d331-d343, June 2024, Available at http://www.ijcrt.org/papers/IJCRT2406362.pdf Authors: Pramod,Dr. Mahesh R K
5	26-01-2025	“Study of Different Spectrum Detection Methods for Cognitive Radio Networks: A Review”, <i>ISTE Journal</i>, Vol 47 No.4 2025 Authors: Bharatnoor, Siddaling, and Vilaskumar M Patil.
6	10-07-2024	“Robust Adaptive Beamformer using Improved Coprime Array for Wireless Communication Application”, <i>Journal of Electrical systems</i> Vol 20 No.10 pp.3633-3643 2024 Authors: Shashidhara K. S., Sowmyashree M. S., Rangaswamy Y., Raghu J., Veerendra Dakulagi, Vilaskumar M. Patil
7	02-11-2024	“Slotted Capacitively Coupled Elevated Microstrip Antenna”, <i>Journal of Electrical systems</i> Vol 20 No.10 pp.6759-6766 2024 Authors: Nandini M. Ammanagi, Revanasiddappa S. Kinagi, Ravi M. Yadahalli, Rasika B. Naik, Monali Chaudhari, Saylee Gharge
8	19-09-2024	“Plagiarism Detection in Handwritten Assignments using OCR and Cosine Similarity Analysis”, <i>Indica Journal</i>, Vol 5 no.5 pp. 209-219 2024 Authors: Nandini Ammanagi, Revanasiddappa Kinagi, Pratham Patil, Amaan Hamdule, Sakshi Manjrekar
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10	14-06-2024	“Image quality enhancement using optimized thresholding and two-level diffusion-based denoising filter”, <i>The Imaging Science Journal</i>, 73(2), 245–265. 2024 https://doi.org/10.1080/13682199.2024.2364532

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11	12-08-2024	“Microstrip Patch Antenna Array Inspired by Split Ring Resonators for 5.8 GHz Applications”, <i>Wireless Pers Commun</i> 138, 321–331 (2024). https://doi.org/10.1007/s11277-024-11501-9 Authors: Zalki, Gurudev., Bakhar, M.
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16	11-08-2023	“Hybrid jellyfish beluga whale optimization for energy efficient inter and intra cluster based routing algorithm for WSN”, <i>Journal of European Chemical Bulletin</i> , Vol 2023 no.4, pp 19661-19676, 2023 Authors: Sharanu Korishetty, Shivkumar S. Jawaligi
17	13-11-2023	“Design Problems in Cognitive Radio Networks for Spectrum Sensing”, <i>Journal of Scientific Research and Technology</i> , 1(8), 64–69. 2023 https://doi.org/10.61808/jsrt72 Authors: Mr. Praveen Hipparge, & Dr.Shivkumar S. Jawaligi.
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28	14-07-2022	“Design of Power Efficient and Modified Transmission Gate -Based SRAM Cell for IoT Applications”, International Journal of Scientific Research in Science and Technology, Volume 9, Issue 4, pp:190-197 July-August-2022 Authors: Sana Fatima, Vilaskumar Patil
29	19-11-2022	“ACRDA: An adaptive combined relay based dynamic data aggregation technique for wireless sensor networks”, <i>Measurement: Sensors</i> , Volume 24,2022,100571, https://doi.org/10.1016/j.measen.2022.100571 . Authors: Sharanu Korishetty, Shivkumar S. Jawaligi
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