

**AY 2023-24**  
**SCIE**

1. Puralasetty Ashok Babu, Javanna Latheef Mazher Iqbal, **S. Siva Priyanka**, Machana Jithender Reddy, Gaddam Sunil Kumar and Rajaram Ayyasamy, Power Control and Optimization for Power Loss Reduction Using Deep Learning in Microgrid Systems, *Electric Power Components and Systems*, pg1-14, 2023, Taylor & Francis, <https://doi.org/10.1080/15325008.2023.2217175>
2. **G.V. Pradeep Kumar, V.V. Satyanarayana Tallapragada, N. Alivelu Manga**, Optimized transmit antenna selection and self-attention based convolutional resource allocation model for massive MIMO technology, *Computer Networks*, Volume 235, 2023, 109948, ISSN 1389-1286, <https://doi.org/10.1016/j.comnet.2023.109948>.
3. Guthi Srinivas and **Srikar D**, E- Shaped Patch with Reactive Impedance Surface for High Gain and Broadband Circularly Polarized Antenna, *International Journal of Communication Systems*, Wiley, pg 1-16, 2023, <https://doi.org/10.1002/dac.5562>
4. Naim Ben Ali, Shri Ramtej Kondamuri, Venkata Sainath Gupta Thadikemalla, **Srikar D**, Pavel Trojovský, Vijaya Durga Chintala, On companding techniques for PAPR reduction in DCT SC-FDMA system in the presence of CFOs, *Alexandria Engineering Journal*, Volume 79, 2023, Pages 34-43, ISSN 1110-0168, <https://doi.org/10.1016/j.aej.2023.07.061>.
5. **P. Anuradha, Ch. Navitha**, G. Renuka, M. Jithender Reddy, and K. Rajkumar. 2023. A deep learning framework optimised by Harris Hawks algorithm for intelligent ECG classification in WSN-IoT environment. *J. Intell. Fuzzy Syst.* 45, 5 (2023), 8489–8501. <https://doi.org/10.3233/JIFS-233442>
6. Aare Gopal, **Desireddy Krishnareddy**, Srinivasa rao Chintagunta. “Symbol interferometry and companding transform for PAPR reduction of OTFS signal” *WILEY, ETRI Journal*. 2023, <https://doi.org/10.4218/etrij.2023-0142>, PP. 1–9, 25 September 2023.
7. Goud, P.S., **Sastry, P.N.** & Sekhar, P.C. A novel intelligent deep optimized framework for heart disease prediction and classification using ECG signals. *Multimed Tools Appl* (2023). <https://doi.org/10.1007/s11042-023-16850-4>
8. **Sony, D., Reddy, D.K.** & Kumar, P.N. SIS Error Estimation for Fault Detection of IRNSS Using Beeline Method. *Int. J. Aeronaut. Space Sci.* **25**, 250–263 (2024). <https://doi.org/10.1007/s42405-023-00644-x> (Scopus)(SCIE)(Q2)
9. **Kumar, G. V. P.**, Tallapragada, V. V. S., & Manga, N. A. (2023). Optimized transmit antenna selection and self-attention based convolutional resource allocation model for massive MIMO technology. *Computer Networks*, 235, 109948. <https://doi.org/10.1016/j.comnet.2023.109948> (Scopus)(SCIE)(Q1).
10. Sireesha, V., Tallapragada, V. V. S., Naresh, M., & **Pradeep Kumar, G. V.** (2024). EEG-BCI-based motor imagery classification using double attention convolutional network. *Computer Methods in Biomechanics and Biomedical Engineering*, 1–20. <https://doi.org/10.1080/10255842.2023.2298369> (scopus)(SCIE)
11. Naresh, M., **Kumar, G. V. P.**, Sireesha, V., & Tallapragada, V. V. S. (2024). Joint optimal beamforming and resource allocation in intelligent reflecting surface aided wireless power transfer rate splitting multiple access system. *Concurrency and Computation: Practice and Experience*, 1-15. <https://doi.org/10.1002/cpe.8098> (Scopus)(SCIE)
12. Tallapragada, V. V. S., Reddy, D. V., & **Kumar, G. V. P.** (2024). Blind forgery detection using enhanced mask-region convolutional neural network. *Multimedia Tools and Applications*, 1-15. <https://doi.org/10.1007/s11042-024-19347-w> (Scopus)(SCIE)
13. Rao, K. N., Sudha, D., Khalaf, O. I., Abdulsahab, G. M., Kumar, A. S., **Priyanka, S. S.**, Ouahada, K., & Hamam, H. (2024). A Novel Energy Efficient 4-bit Vedic Multiplier using Modified GDI Approach at 32 nm Technology. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2024.e31120> (Scopus)(SCIE)(Q1)
14. **Sekhar, P. C.**, & Murthy, T. S. N. (2024). RSMO: Rider Spider Monkey Optimization-Based Artificial Noise Precoding Technique for Physical Layer Security in 5G Networks. *Wireless Personal Communications*. <https://doi.org/10.1007/s11277-024-11166-4> (Scopus)(SCIE)(Q2)

15. **Nagadevi, D., Suman, K., & Lakshmi, P. S.** (2024). An enhanced skin lesion detection and classification model using hybrid convolution-based ensemble learning model. *Research on Biomedical Engineering*. <https://doi.org/10.1007/s42600-024-00350-x> (Scopus)(SCIE)(Q3)
16. **Satyavati Jaga, K. Rama Devi,** Brain tumor classification utilizing Triple Memristor Hopfield Neural Network optimized with Northern Goshawk Optimization for MRI image, *Biomedical Signal Processing and Control*, Volume 95, Part A, 2024, 106450, ISSN 1746-8094, <https://doi.org/10.1016/j.bspc.2024.106450>. (Scopus)(SCIE)(Q1)
17. Arulananth, T.S., P. G. Kuppasamy, Ramesh Kumar, ID SaadatM.Alhashmi, M. Mahalakshmi, **K. Vasanth** and ID P.Chinnasamy. "Semantic segmentation of urban environments: Leveraging U-Net deep learning model for cityscape image analysis." *PLOS ONE* 19 (2024): n. pag.,<https://doi.org/10.1371/journal.pone.0300767> (Scopus)(SCIE) (Q1)
18. **M. Ramana Reddy, M. L. N. Acharyulu, V. Kushwah, and P. N. Sastry,** "Design and investigation on two port circularly polarized graphene-silicon based MIMO antenna with high isolation for THz wireless applications," *Journal of Optics*, vol. 53, no. 2, Mar. 2024, doi: 10.1007/s12596-024-01821-1. [Scopus, SCIE, Q2]
19. **V. S. Kushwah, M. R. Reddy, M. L. N. Charyulu, P. N. Sastry,** and S. Goyal, "Design and analysis of frequency agile LP to CP convertor loaded silicon-graphene based MIMO array antenna in THz regime," *Journal of Optics*, vol. 53, no. 2, Mar. 2024, doi: 10.1007/s12596-024-01783-4. [Scopus, SCIE, Q2]
20. H. Dhumras, P. K. Shukla, R. K. Bajaj, W. Boulila, V. Shukla, P. K. Shukla, **V. K. Minchula,** and S. H. Chaudhary, "Industry 5.0 enablers in consumer electronics market assessment under T-spherical fuzzy integrated decision-making approach," *IEEE Transactions on Consumer Electronics*, vol. 70, no. 1, pp. 1443-1451, Feb. 2024, doi: 10.1109/TCE.2023.3325433. [Scopus, Web of Science, SCIE, Q1]
21. N.A Kumar, P.S Kumar, N Victor, T.R Gadekallu, Md.K Mohiddin, S Tiwari, **Vinodh Kumar Minchula** (2024). Development of a Double-Resampling-Based Least-Squares Particle Filter for Accurate Position Estimation of a GPS Receiver in Visakhapatnam Region of the Indian Subcontinent. *IEEE Sensors Journal*, 24(5), 5539-5547. DOI: 10.1109/JSEN.2023.3301709. March 2024. [Scopus, Web of Science, SCIE, Q1]
22. Bindu, N. P., & **Sastry, P. N.** (2023). Automated brain tumor detection and segmentation using modified UNet and ResNet models. *Soft Computing*, 3.732. <https://doi.org/10.1007/s00500-023-08420-5>. [SCOPUS][SCIE][Q2]
23. Silpa, C., **Vani, A., & Naidu, K. R.** (2023). Optimized deep learning based hypernet convolution neural network and long short term memory for joint pilot design and channel estimation in MIMO-OFDM model. *Transactions on Emerging Telecommunications Technologies*. <https://doi.org/10.1002/ett.4925&#8203> [Scopus][SCIE][Q2]