

## **PUBLICATIONS**

1. Subam Mahajan, L. N. Sirisha Mrunalini and Arun M, "Dual Band Graphene Based Hexagonal Patch Antenna in Terahertz Regime for Biomedical Applications" Optik, Under Review, Sep 2020.
2. Surendar, A., Kavitha, M., Arun, M., Panwar, V., "Reliability Assessment of Solder Joints in Electronic Devices under Extreme Thermal Fluctuations", IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10(8), pp. 1394-1400.
3. Jabarullah, N.H., Surendar, A., Arun, M., Siddiqi, A.F., Krasnopevtseva, T., "Microstructural Characterization and Unified Reliability Assessment of Aged Solder Joints in a PV Module", IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10(6), pp. 1028-1034.
4. Siswanto, W.A., Arun, M., Krasnopevtseva, I.V., Surendar, A., Maseleno, A., "A competition between stress triaxiality and joule heating on microstructure evolution and degradation of SnAgCu solder joints", Journal of Manufacturing Processes, 2020, 54, pp. 221-227.
5. S.Saravanan, S.Sathish Kumar, M.Arun, Xiao ZhiGao, M.Nithyakumar, "Certain Study on Fabrication of Reversible Quantum Dot Photonic Integrated Circuit", Caribbean Journal of Science, ISSN: 0008-6452, Vol. 53, No. 2, 2019.
6. A Surendar, M Arun, AM Basha, "FFcPsA: a fast finite conventional state using prefix pattern gene search algorithm for large sequence identification", Soft Computing, Vol.23, No.8, pp.2761-2771, 2019.
7. Anish Chandran, Arun Manoharan, "Optimization of Tridiagonal Matrix Algorithm [TDMA] on Multicore Architectures: Computational framework and mathematical modelling", International Journal of Grid and High Performance Computing, Volume 11, Issue 4, Article 1, 2019 (140917-052547).
8. Rajkumar, S., Arun, M., Hirwani, J., Sanjeev, S.S., "Predictive analysis of crops cultivation for a smart green environment using azure services", International Journal of Recent Technology and Engineering, 2019, 7(5), pp. 295-298.
9. Jayanthi Chandrashekar and Arun Manoharan, "SAMR: Discovery of Short Distance and Secured Routing in MANET", Journal of Engineering and Applied Sciences, Vol.14, No.18, pp. 6675-6684, 2019.
10. Jayanthi Chandrashekar and Arun Manoharan, "An Identity Based Key Management Technique for Secure Routing in MANET", International Journal of Intelligent Engineering and Systems, Vol.11, No.06, pp.33-43, 2018.

11. L. N. Sirisha Mrunalini and Arun M , "Dual-Band Reconfigurable Graphene based Patch antenna in Terahertz band for WNoC Applications", *IET Microwaves, Antennas Propagation*, August 2017.
12. Bellamkonda Saidulu, Arun Manohran , "Energy efficient and low noise OTA with improved NEF for Neural Recording Applications", *International Journal of Biomedical Engineering and Technology*, Inderscience, 2017
13. Bellamkonda Saidulu, Arun Manoharan and Kumaravel Sundaram, "Low Noise Low Power CMOS Telescopic-OTA for Bio-Medical Applications", *MDPI Computers*, Vol.5, No.4, pp. 1-11, 2016.
14. Bellamkonda Saidulu and Arun Manoharan, "Design of Low Power Amplifier for Neural Recording Applications using Inversion Coefficient Methodology", *International Journal of Control Theory and applications*, No.10 (6) , pp.719-727, 2017.
15. Bellamkonda Saidulu, Arun Manoharan, Bhavani B, "An improved CMOS voltage bandgap reference circuit", *Advances in Intelligent Systems and Computing*, Springer, 2017. (Accepted)
16. Bellamkonda Saidulu, Arun Manoharan, Bhavani B, "Power And Area Efficient TFET(20nm) Based Two Stage Opamp For Ultra Low Power Applications, *Lecture Notes in Electrical Engineering*, Springer, 2017 (Accepted).
17. Sureshkumar N, Arun, M., "A Genetic Based Feature Selection For Classification Of Landcover Changes Using Combination Of Lands", *International Journal of Bio-Inspired Computation*, Inderscience, 2017, 10(3), pp. 172-187.
18. Sureshkumar N, Arun, M., "Accuracy Analysis of Various Classification Algorithms for Used Land, Study Area Vellore, India", *International journal of Enterprise Network Management*, Inderscience, Vol.7 No.2, pp.113-132, 2016.
19. Sureshkumar N, Arun, M., "Remote Sensing Image Retrieval Using Object Based, Semantic, Classifier Techniques", *International Journal of Information and Communication Technology*, Inderscience, 13(1), pp. 68-82, 2018.
20. Sureshkumar N, Arun, M., "Mapping of Land Cover Changes in Vellore District by Using Remote Sensing Image", *International Journal of Enterprise Network Management*, Inderscience, Accepted, 2016.