**Publications**

**International Journal**

1. Jayaraj U Kidav, **N. M Sivamangai** , M. P Pillai , "Design of AWC core using DCD iterations for MVDR beamformer" in journal of Microprocessors and Microsystems – Elsevier, 2020, https://doi.org/10.1016/j.micpro.2019.102969. (**IF:1.049**)(**Scopus indexed**)
2. Silpa P.A, **Sivamangai**,**N.M** "One step synthesis of graphene" in Inorganic and Nano-Metal Chemistry journal – Taylor & Francis, 2019, DOI/10.1080/24701556.2019.1661470 (**IF:0.685**) (**Scopus indexed**)
3. Princy P, **Sivamangai**,**N.M** "An Efficient Wavelet Based Transient Current Test towards Detection of Data Retention Faults in SRAM" in Journal of Electronic Testing - Springer, 2019, DOI /10.1007/s10836-019-05819-7 (**IF:0.625**) (**Scopus indexed**)
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10. Jayaraj U Kidav, **N.M Sivamangai**, Nidhi Antony, Dr. M.P Pillai, "Fixed and Floating point Array Signal Processor Architecture Implemented on FPGA and their performance comparisons", International Journal of Electronics, Electrical and Computational System,ISSN 2348-117X, Volume-6,Issue 6, June 2017.
11. Jayaraj U Kidav, **N.M Sivamangai**, Prasad Menon, Fathima Nyla," A Low cost and scalable research Platform for Validating Ultrasound Signal Processing Algorithms", International Journal of Engineering Technology, Science and Research IJETSR , ISSN 2394-3386, Volume-4, Issue-6, June 2017.
12. S Sridevi Sathya Priya, P. Karthigaikumar, **N M Sivamangai** and V Rejula, "High throughput AES algorithm using parallel subbytes and mixcolumn", in Wireless Personal Communications – Springer Science, 2016, DOI 10.1007/s11277-016-3858-8. (**IF:0.951**)(**Scopus indexed**)
13. **Sivamangai, N. M**., S.Sridevi Sathya Priya, Karthigai Kumar, P. "An efficient Hardware Architecture for high throughput AES encryptor using MUX based Sub pipelined S-box",

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15. **Sivamangai, N. M**., Karthigai Kumar, P. "PSO CO2: An efficient Hardware Architecture for AES algorithm for high throughput", in Wireless Personal Communications – Springer Science, 2015, DOI 10.1007/s11277-015-2739-x. (**IF:0.951**)(**Citation index:4**).
16. **Sivamangai, N. M**., Shilu Tresa Vinod, D. Abraham Chandy. "Recognition of Elephants in Infrared images using clustering based Image segmentation", International Journal of Electronic Security and Digital Forensics – Inderscience, Vol 7, N0.3, 2015. (**scopus Indexed**).