Dr.Shobha Rekh,
Professor, Department of ECE,
Karunya University, Coimbatore-641114.

List of Publications

1. Shobha Rekh and Abraham Chandy, "Implementation of academia 4.0 for engineering college education", Elsevier,Procedia Computer Science, ISSN-1877-0509, Vol 172, 2020.

2. John Paul and Shobha Rekh, "A dual band symmetric E-shaped plit ring metamaterial absorber for RF energy harvesting", International Journal of Recent technology and engineering. ISSN 22773878, Vol 8, Issue 3, September 2019.

3. Jerry, Shobha Rekh and Jose, "Design techniques for elliptical micro-strip patch antenna and their effects on antenna performance", International Journal of Innovative technology and exploring engineering, ISSN 2278-3075, Vol 8, Issue 12. October 2019.

4. Jerry, Shobha Rekh and Jose, "Double elliptical micro-strip patch atenna for higher design flexibility and miniaturization", International Journal of Engineering and advanced Technology, ISSN 2249-8958, Vol 9, Issue 1, pp.6970-6976, October 2019.

5. Joe Paulson, Angeline Prabhavathy, Shobha Rekh and Evelyn Brindha, "Application of neural network for prediction of compressive strength of silica fume concrete", International Journal of Civil Engineering and Technology (IJCIET), Volume 10, Issue 02, February 2019, pp. 1859–1867.

6. Anita Antony, Shobha Rekh and Jackuline Moni, "Asynchronous Adaptive Threshold Level Crossing ADC for Wearable ECG Sensors", Journal of Medical Systems 43(3), March 2019.

7. Sheena Mariam, Shobha Rekh, Manoj Kumar and John Paul, "Smart Traffic management system with real time analysis", International Journal of Engineering and Technology, Vol 7, No 3.29, 2018.

8. Anita Antony, Shobha Rekh Paulson and D Jaculine Moni, "Design of an Asynchronous 1 Bit Charge Sharing Digital to Analog Converter for a Level Crossing ADC", International Journal of Research in Applied Science and Technology, Vol 6, Issue 1, 2018.

9. Anita Antony, Shobha Rekh Paulson and D Jackuline Moni, "Asynchronous Level Crossing ADC Design for Wearable Devices: A Review", International Journal of Applied Engineering Research, Vol 13 , Issue 4, 2018.

10. Anita Antony, Shobha Rekh Paulson and D Jackuline Moni, "Modeling and simulation of asynchronous adaptive threshold level crossing adc for biomedical signal processing", International Journal of Pure and Applied Mathematics, Vol 120 , Issue 6, 2018.

11.   Lydia Vinolin C and Shobha Rekh, "Analysis of High Efficiency Video Coding in YUV Files using Intra Prediction Algorithm", International Journal of Engineering and Technical Research V5(03), April 2016.

12.   Sophia priyadarshini and Shobha Rekh, "Streaming Video with MultiPath TCP in Wireless Networks", International Journal of Engineering and Technical Research V5(04), April 2016.

13.   Binola K Jebalin, Shobha Rekh, Prajoon, Mohan Kumar and Nirmal D, "The influence of high-k passivation layer on breakdown voltage of Schottky AlGaN/GaN HEMTs", Microelectronics Journal 46(12), May 2015.

14.   Binola K Jebalin, Shobha Rekh, Prajoon, Mohan Kumar, Nirmal D, "Unique model of polarization engineered AlGaN/GaN based HEMTs for high power applications", Superlattices and Microstructures 78:210-223, February 2015.

15.   Shobha Rekh, Subha Rani, Shanmugham and Wim Holland, "Design of an Interleaver for Turbo Codes using Genetic Algorithms", International Journal on Artificial Intelligence and Machine Learning, Vol. 6, Issue 2, pp. 1-5 (2006).

16.   Shobha Rekh, Subha Rani, Shanmugham and Hepzibah, "Implementation of an error coding scheme for teleradiology system",International Journal of Healthcare Information Systems and Informatics, Vol. 1, Issue 4, pp. 15-28 (2006).

17.   Shobha Rekh, Subha Rani, Shanmugham, John, "Punctured Turbo Codes for Bandwidth-efficient Transmission", Defence Science Journal, Vol. 56, Issue 4, pp. 585-590 (2006).
18.   Shobha Rekh, Subha Rani, Shanmugham, "Optimal choice of Interleaver for Turbo Codes",Academic Open Internet Journal, Vol 15, 2005.