List of publications

1. Aruna, V., Alsath, M.G.N., Kirubaveni, S. and Maheswari, M., 2019. Flexible and Beam Steerable Planar UWB Quasi-Yagi Antenna for WBAN. *IETE Journal of Research*, pp.1-11.
2. Sowjanya, P.D., Alsath, M.G.N., Kirubaveni, S., Govindaraj, R. and Santhosh, N., 2019. Design and Experimental Evaluation of a Proximity Coupled Transparent Patch Antenna for WLAN. *IETE Journal of Research*, pp.1-8.
3. Savarimuthu, K. and Sankararajan, R., 2018. Design and analysis of cantilever based piezoelectric vibration energy harvester. *Circuit World*.
4. Sudha, M., Radha, S., Kirubaveni, S., Kiruthika, R., Govindaraj, R. and Santhosh, N., 2018. Experimental study on structural, optoelectronic and room temperature sensing performance of Nickel doped ZnO based ethanol sensors. *Solid State Sciences*, *78*, pp.30-39.
5. Murugesan, S., Shankararajan, R., Savarimuthu, K. and Nadar, S.S., 2018. FABRICATION OF NICKEL DOPED ZNO/PEDOT: PSS SCHOTTKY DIODE BASED ULTRAVIOLET PHOTODETECTOR. *International Journal of Pure and Applied Mathematics*, *118*(24).
6. FILM, N.T., 2018. FABRICATION AND CHARACTERIZATION OF ZNO NANOSTRUCTURED THIN FILM PIEZOELECTRIC SENSOR FOR ACCELEROMETER APPLICATION. *International Journal of Pure and Applied Mathematics*, *118*(24).
7. Savarimuthu, K., Sankararajan, R., Govindaraj, R. and Narendhiran, S., 2018. A comparative study on a flexible ZnO-based nano-generator using Schottky and p–n junction contact for energy harvesting applications. *Nanoscale*, *10*(34), pp.16022-16029.
8. Indhu, R., Mercy, A.S., Shreemathi, K.M., Radha, S., Kirubaveni, S. and Sreeja, B.S., 2018. Design of a Filter Using Array of Pillar for Particle Separation. *Materials Today: Proceedings*, *5*(4), pp.10889-10894.
9. Murugesan, S., Shankararajan, R., Savarimuthu, K., Ramany, K., Rajamanickam, G., Narendhiran, S. and Perumalsamy, R., 2017. Effect of precursor concentration on structural, morphological, and optical properties of ZnO thin-filmed sensor for ethanol detection. *IEEE Transactions on Nanotechnology*, *17*(1), pp.169-176.

10. Savarimuthu, K., Sankararajan, R. and Murugesan, S., 2017. Design and implementation of piezoelectric energy harvesting circuit. *Circuit World*.
11. Savarimuthu, K., Sankararajan, R. and Murugesan, S., 2017. Analysis and design of power conditioning circuit for piezoelectric vibration energy harvester. *IET Science, Measurement & Technology*, *11*(6), pp.723-730.
12. Savarimuthu, K., Rajamanickam, G., Shankararajan, R., Perumal, R. and Rayarfrancis, A., 2017. Experimental study on flexible ZnO based nanogenerator using Schottky contact for energy harvesting applications. *IEEE Transactions on Nanotechnology*, *16*(3), pp.469-476.
13. Indhu, R., Shreemathi, K.M., Mercy, J.A.S., Radha, S., Kirubaveni, S. and Sreeja, B.S., 2017, March. Design of a bio-filter for particle separation. In *2017 Devices for Integrated Circuit (DevIC)* (pp. 833-836). IEEE.
14. Indhu, R., Mercy, J.A.S., Shreemathi, K.M., Radha, S., Kirubaveni, S. and Sreeja, B.S., 2017, March. Separation of bio-particles in micro fluidic device. In *2017 International Conference on Nextgen Electronic Technologies: Silicon to Software (ICNETS2)* (pp. 18-21). IEEE.
15. Indhu, R., Shreemathi, K.M., Mercy, J.A.S., Radha, S., Kirubaveni, S. and Sreeja, B.S., 2017, February. Design of PDMS membrane for CTC separation. In *2017 International Conference on Information Communication and Embedded Systems (ICICES)* (pp. 1-6). IEEE.
16. Kirubaveni, S. and Radha, S., 2016, November. Vibration energy harvesting for low power devices. In *2016 Online International Conference on Green Engineering and Technologies (IC-GET)* (pp. 1-4). IEEE.
17. Kirubaveni, S., Radha, S., Indhu, R. and Sreeja, B.S., 2016, November. An optimized design of low frequency bi-layered piezo-strip based vibration micro-generator. In *2016 Online International Conference on Green Engineering and Technologies (IC-GET)* (pp. 1-6). IEEE.
18. Sudha, M., Kirubaveni, S. and Radha, S., 2016, March. Design of modified power conditioning circuit for piezoelectric vibration energy harvester. In *2016 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)* (pp. 2171-2176). IEEE.
19. Kirubaveni, S., Radha, S., Sreeja, B.S. and Sivanesan, T., 2015. Analysis of rectangular and triangular end array type piezoelectric vibration energy harvester. *Microsystem Technologies*, *21*(10), pp.2165-2173.