- Kalpana Murugan, Santham Bharathy Alagarsamy "Ear recognition system using adaptive approach Runge-Kutta (AARK) threshold segmentation with cart classifier" Multimedia Tools and Applications (Springer) https://doi.org/10.1007/s11042-019-7418-6, March 2019.
- 2. K. Jeya Sudha, P. Abinaya, **M. Kalpana**, and T. Senthil Kumar "Improving the network lifetime using network connectivity and target coverage in Mobile Sensor Networks" Advances in Natural and Applied Sciences, Vol 10,No.4,2016,pages.271-279
- 3. **Kalpana Murugan**, Al-Sakib Khan Pathan, "Prolonging the lifetime of wireless sensor networks using secondary sink nodes" Telecommunication Systems, Vol 62 Issue 2 June 2016, pp :347-361 ISSN 1018-4864
- Vasant Naidu, S.M.Seeni Mohamed Aliar Maraikkayar, S.Sivaranjani, M.Kalpana, R.Kanimozhi Jeeva, S.Pandian "Engineered Meta Magneto Dielectric Substrate For Microstrip Patch Antenna Miniaturization With Reduced Return Loss" *International Journal of Applied Engineering Research*, Vol. 10 No.42 pp. 30474-30479, ISSN 0973-4562, May 2015.
- Vasant Naidu, T.Yoga M.Kalpana, N.Nithya, S.M.Seeni Mohamed Aliar Maraikkayar, Chandra Prakash "Synthesis of Nano Dielectric Substrate Material to Construct Microstrip Patch Antenna for Millimeter Waves" *International Journal of Applied Engineering Research*, Vol. 10 No.42 (2015), pp. 30480-30483. ISSN 0973-4562, May 2015.
- G.Manoj Robin Jebamani, M.Kalpana, "Energy Efficient data gathering approach by Multi Mobile Sinks in Wireless Sensor Network" *International Journal of Science and Innovative Engineering & Technology*, Volume 2, May 2015 issue, ISBN 978-81-904760-7-2