

Dr. K. Kalimuthu

Publications: (Last 5 years)

1. **Kalimuthu**, Sabitha Gauni, C. T. Manimegalai, and V. Malsawmdawngliana. "Ambient noise analysis in underwater wireless communication using laser diode." *Optics & Laser Technology* 114 (2019): 135-139 **Elsevier Publication, (SCI Indexed IF 3.319).**
2. Vaibhav Jain, Tanay, Saranesh Gangele and K.Kalimuthu, "Driver Assistance System using in-vehicle Traffic Lights and Signs", *International Journal of Engineering & Technology*, [S.I.], v. 7, n. 2.24, p. 527-530, Apr. 2018. **(Scopus Indexed)**
3. Arunapriya V, Praveen Kumar S, Kalimuthu K, "LiFi for Medical care using Visible Light Communication, ", *International Journal of Engineering & Technology*, [S.I.], v. 13, n.11, p. 9273-9276, Mar. 2018. **(Scopus Indexed)**
4. Das, Abhijit, K. Kalimuthu, and S. S. Biswas. "IoT Based Circuit Breaker Monitoring & Control." *International Journal of Applied Engineering Research* 13.10 (2018): 7806-7810.
5. Sabitha, Manimegalai, Kalimuthu and M.Anjanasree, " Detection of breathing and heartrate using a simple vital radio system" *International Journal of Engineering & Technology*, [S.I.], v. 7, n. 2.8, p. 311-314, Mar. 2018 **(Scopus Indexed)**
6. Gauni S., Manimegalai C.T., Kalimuthu K., Kaushik V.C.S., Rama Rao T. (2018) Optical Channel Analysis of Turbo Coded MIMO-OFDM System for Visible Light Communication. *Optical And Microwave Technologies. Lecture Notes in Electrical Engineering*, vol 468. Springer, Singapore. Nov. 2017, pp 161-174**(Scopus Indexed)**
7. Deepika, Bethireddy Navya, and K. Kalimuthu, "Fluffy Logic Based Energy Efficient Routing Protocol For Wireless Sensor Networks", *International Innovative Research Journal of Engineering and Technology*, Vol. 2, Issue 4, June 2018.
8. C. T. Manimegalai, Sabitha Gauni, K. Kalimuthu, "Smart traffic management using a building integrated photovoltaic (BIPV) powered Li-Fi system on IoT ", *Electronic Government an International Journal*, Vol.8, no.36, Jan 2018. **(Scopus Indexed)**
9. Atchutananda Surampudi and K.Kalimuthu, "An energy efficient spectrum sensing in cognitive radio wireless sensor networks", *International Journal of Computers, Communications and Control*, Vol -, I -, B --E -, <https://arxiv.org/pdf/1711.09255.pdf> **(SCI Indexed)**

10. C.T. Manimegalai , Sabitha Gauni , K. Kalimuthu, "Efficacy analysis of LDPC coded APSK modulated differential space-time-frequency coded for wireless body area network using MB-pulsed OFDM UWB technology," Technology and health care, Sept 2017. **(SCI Indexed)**
11. C. T. Manimegalai, Sabitha Gauni, K. Kalimuthu and R. Kumar, "Enhanced Power Control Algorithm in Cognitive Radio for Multimedia Communication." Indian Journal of Science and Technology 9.25,2016. **(Scopus Indexed)**