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List of Publication

1. **Sitharthan, R.**, M. Rajesh, Karthikeyan Madurakavi, Jacob Raglend, and R. Kumar. "Assessing nitrogen dioxide (NO₂) impact on health pre-and post-COVID-19 pandemic using IoT in India." *International Journal of Pervasive Computing and Communications* (2020). doi/10.1108/IJPCC-08-2020-0115.
2. **Sitharthan R**, Yuvaraj S, Sanjeevikumar padmanabhan, Jens Bo Holm-Nielsen, Sujith M, Rajesh M, Prabakaran N, and vengatesan K, 2020, Piezoelectric Energy Harvester Converting Wind Aerodynamic Energy into Electrical Energy for Microelectronic Application, *IET Renewable Power Generation*- Accepted for Publication. (IF: 3.894)
3. **Sitharthan R**, Sujatha Krishnamoorthy, Padmanaban Sanjeevikumar, Jens Bo Holm - Nielsen, Raja Singh R, Rajesh M, 2020, Torque ripple minimization of PMSM using an adaptive Elman neural network - controlled feedback linearization - based direct torque control strategy, *International Transactions on Electrical Energy Systems*, Wiley. Accepted for publication DOI: 10.1002/2050-7038.12685. (IF: 1.692)
4. Sivaranjani, R., Sundar, D.S., Sridarshini, T., **Sitharthan, R.**, Karthikeyan, M., Raja, A.S. and Carrasco, M.F., 2020. Photonic crystal based all-optical half adder: a brief analysis. *Laser Physics*, 30(11), p.116205. (IF:1.333)
5. Nataraj, S.K., Al-Turjman, F., Adom, A.H., **Sitharthan, R.**, Rajesh, M. and Kumar, R., 2020. Intelligent Robotic Chair with Thought Control and Communication Aid Using Higher Order Spectra Band Features. *IEEE Sensors Journal*. DOI: 10.1109/JSEN.2020.3020971. (IF: 3.076)
6. Natarajan, B., Obaidat, M.S., Sadoun, B., Manoharan, R., **Sitharthan Ramachandran** and Velusamy, N., New Clustering-Based Semantic Service Selection and User Preferential Model. *IEEE Systems*, DOI: 10.1109/JSYST.2020.3025407. (IF: 3.987)
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8. **Sitharthan R**, Soundrabalan CK, 2020. Design and Modeling of Hybrid DC/AC Microgrid with Manifold Renewable Energy Sources, *IEEE Canadian Journal of Electrical and Computer Engineering*, Accepted for publication. DOI: 10.1109/CJECE.2020.2989222 (IF: 1.091).
9. Gomathy V, Janarthanan K, Fadi Al-Turjman, **Sitharthan R**, rajesh M, Vengatesan K, Priya Reshma T, 2020, Investigating the Spread of Coronavirus Disease by relating Air Pollution using Edge AI, *ACM Transactions on Internet Technology*- Accepted for publication. (IF: 1.598).
10. Karthikeyan, M., **Sitharthan, R.**, Ali, T. and Roy, B., 2020. Compact multiband CPW fed monopole antenna with square ring and T - shaped strips. *Microwave and Optical Technology Letters*, 62(2), pp.926-932.
11. Sundar, D. Shanmuga, T. Sridarshini, **R. Sitharthan**, Madurakavi Karthikeyan, A. Sivanantha Raja, and Marcos Flores Carrasco. "Performance investigation of 16/32-channel DWDM PON and long-reach PON systems using an ASE noise source." In *Advances in Optoelectronic Technology and Industry Development: Proceedings of the 12th International Symposium on Photonics and Optoelectronics (SOPO 2019)*, August 17-19, 2019, Xi'an, China, p. 93. CRC Press, 2019.
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- Applications, Materials for electronic devices and sustainable energy, Springer Nature (**SCI**), (Accepted for publications).
13. **Sitharthan R**, Shanmuga Sundar D, Rajesh M, Madurakavi Karthikeyan, Jacob Raglend I, Belwin Edward J, Raja Singh R, and Kumar R, "Assessing Nitrogen dioxide (NO₂) Impact on Health Pre-and Post- COVID-19 Pandemic using IoT in India" International Journal of Pervasive Computing and Communications, Emerald Publication- Accepted for publication, DOI: 10.1108/IJPCC-08-2020-0115
 14. Babu, R.G., Obaidat, M.S., Amudha, V., Manoharan, R. and **Sitharthan, R.**, 2020. Comparative analysis of distributive linear and non-linear optimised spectrum sensing clustering techniques in cognitive radio network systems. IET Networks. DOI: 10.1049/iet-net.2020.0122
 15. Janeera, D.A., Amudhavalli, P., Sherubha, P., Sasirekha, S.P., Raj, P.A.C. and **Sitharthan, R.**, 2020, September. Visualization and Classification of Diseases using Deep Learning Based Convolution Neural Network. In IOP Conference Series: Materials Science and Engineering (Vol. 937, No. 1, p. 012053). IOP Publishing.
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 22. **Sitharthan, R** (2019). Adaptive hybrid intelligent MPPT controller to approximate effectual wind speed and optimal rotor speed of variable speed wind turbine- ISA Transactions (**SCI**) -DOI: 10.1016/j.isatra.2019.05.029
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