

**International Journals**

1. Porkumaran K, Mohanraj. K, **"Impact of Ce content on cubic phase cerium–cadmium oxide (Ce–CdO) nanoparticles and its n-CeCdO/p-Si junction diodes"**, *Journal of Material Science: Materials in Electronics, Springer*, Vol.29, issue 23, pp.20439-20454, ISSN: 0957-4522 (Print), October 2018.
2. Porkumaran K, R.Nithya, **"Effect of Fibroblast Cell Lines on Ciprofloxacin Loaded Composite Scaffold for Bone Regeneration"**, *Digest Journal of Nanomaterials and Biostructures* Vol. 13, No. 3 p. 685 – 692 ISSN: 1842-3582, September 2018.
3. Porkumaran K, J. Samson Isaac, **"A Novel and Efficient Instrumentation Technique for Human Blood Pressure Measurement Using Computational Intelligence Method"**, *International Journal of Biomedical Engineering and Technology, Inderscience*, ISSN: 1752-6418 (Print), ISSN: 1752-6426 (Online), March 2018.
4. Porkumaran K, Priya Darshini V, Prabakar S, **"New Scheme for Breast Cancer Detection and Staging Using Ant Colony Algorithm"**, *International Journal of Biomedical Engineering and Technology, Inderscience*, ISSN: 1752-6418 (Print), ISSN: 1752-6426 (Online), March 2018.
5. K.Porkumaran, S.Prabakar, **"Implementation of Stochastic Approach Vessel and Ridge Studies in Retinopathy of Prematurity Screening"**, *Current Science Journal, Vol.12, No.3, February 2017, India*, ISSN: 0011-3891.
6. Porkumaran, K, Balaji, M **"A New Robust Online PID with NN gain tuner for Pressure Process through PLC"**, *Asian Journal of Research in Social Sciences and Humanities*, ISSN: 2249-7315 (Online), vol. 7, No. 1, pp. 698-710, January 2017.
7. K.Porkumaran, T. Saravanakumar, **"Development and Implementation of Smart Active PFC Circuit Design for Multiple Industrial Applications"**, *International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 3, ISSN 2320-4387, December 2016*.
8. Porkumaran, T. Saravanakumar, **"Design of a Cost Effective Optimized Power Factor Measurement Device for Nonlinear Single Phase Home Appliances"**, *Research Journal of Applied Sciences, Engineering and Technology, Maxwell Scientific Publication*, ISSN:(Online): 2040-7467, ISSN (Print): 2040-7459, Vol.10(4), pp.454-463, June 2016.
9. K. Porkumaran, M. Balaji **"PLC based Smith Predictor for Control of the Temperature Process with Long Dead Time"** *Research Journal of Applied Sciences, Engineering and Technology*, ISSN: 2040- 7459, Vol.13, No. 2, pp. 143-152.
10. K.Porkumaran, V. Praiyadharshini, **"Morphological Analysis for Breast Cancer Detection"**, *Advances in Intelligent Systems and Computing*, Vol. 467, ISSN 2194-5357 ISSN 2194-5365 (electronic), Springer, June 2016.
11. K. Porkumaran, Balaji, M, **"Development of Online Multi Loop PID Controller in PLC For A Cascaded Level - Flow Process"**, *Australian Journal of Basic and Applied Sciences*, ISSN: 1991-8178 (SJIF: 2.684, IF: 0.425), Vol. 16, No. 9, pp. 325-330.
12. K.Porkumaran, C.Kathirvel, **"Design and Simulation of an Advanced Rectifier Stage Topology with Maximum Power Point Tracking for Hybrid Energy,"** *Asian Journal of Information Technology, Medwell Journals*, Volume 15, Issue:1, p.162-168, May 2016, ISSN 1682-3915, Impact Factor:0.35.
13. K. Porkumaran, T. Arunkumar, **"Effect of Heat Removal on Tubular Solar Desalting system,"** *Desalination The International Journal on the Science and Technology of Desalting and Water Purification, ELSEVIER, Vol. 379(2016), pp.24-33, Impact Factor:3.756*.
14. K.Porkumaran, R. Arul Selvan, **"RFFE: a buffer Cache Management Algorithm for Flash Memory based SSD to improve Write Performance,"** *IEEE Canadian Journal of Electrical and Computer Engineering, IEEE, ,Vol.38, issue (3), pp.219-231, ISSN:0840-8688, August 2015, Impact Factor:0.333 Page 5 of 12*
15. K.Porkumaran, C.Kathirvel, **"Design and Implementation of Improved Electronic Load Controller for Self Excited Induction Generator for Rural Electrification,"** *The*

*Scientific World Journal*, Hindawi Publishing Corporation, Volume 2015, Article ID:340619, August 2015, ISSN 2356-6140, *Impact Factor:1.29*

16. K.Porkumaran, C.Kathirvel, **“Operation and Control Strategy of Wind/Photovoltaic System with Battery Storage using Neural Networks,”** *Australian Journal of Basic and applied Sciences*, 9(5), pp.454-459, March 2015, ISSN1991-8178.