

Dr.K.Sebasthirani
Associate Professor, Department of EEE
Sri Ramakrishna Engineering College, Coimbatore

List of Publications (Last Five Years)

1. M. Manimegalai, **Dr.K.Sebasthirani** “Performance Analysis of Smart Meters for Enabling a New Era for Power and Utilities with Securing Data Transmission and Distribution Using End-to-End Encryption (E2EE) in Smart Grid,” **Intelligent Computing and Applications**, Volume 1172, pp 1-12, Sep 2020.
2. S.Dhamodharanl **Dr.K.Sebasthirani** “Design and performance analysis of dc-dc converter incorporating impedance network for low power applications”, **Gedrag & Organisatie Review**, volume 33, pages 260-269, 2020.
3. M.Manimegalai **Dr.K.Sebasthirani**, ”Power Quality Improvement and Monitoring Integrated with Cyber Security using Smart Meter for Household Appliances” **Gedrag & Organisatie Review**, volume 33,page , 60-70, 2020.
4. **Dr.K.Sebasthirani**, Dr.P.Maruthupandi “Devolpment of novel mobile application for smart meter monitoring in smart grid”, **Gedrag & Organisatie Review**, volume 33,pages 155-161, 2020.
5. M.Manimegalai **Dr.K.Sebasthirani** ,”Securing Smart meter data in Smart grid Transmission using Attribute based Encryption” **Elsevier - SSRN Solution Research Series** -doi.org/10.21doi.org/10.2139/ssrn.343117,2019.
6. M.Manimegalai **Dr.K.Sebasthirani**,”A Novel ANN based harmonics mitigation and monitoring Approach of shunt active power filter “**International Journal of Innovative Technology and Exploring Engineering**, Volume-8 Issue-5S, pp.508-514, 2019.
7. **Dr.K.Sebasthirani.**, G. Mahalingam “Design of Shunt Active Power Filter with Fuzzy Logic Control for Mitigating Harmonics”, **Bonfring International Journal of Industrial Engineering and Management Science**, Volume 8, Issue 2, 1 April 2018, Pages 26-30.
8. K.Rajesh, **Dr.K.Sebasthirani.**,” A Study on Solar thermophotovoltaic system” **Global Research and Development journal for Engineering**, volume 8 issue 2, 143-150, 2018.
9. **Dr.K.Sebasthirani**, M IlakiyaDevi ”Design and Implementation of a single stage CCM Zeta Micro inverter for Renewable Applications”, **Journal of Advances in Engineering and Emerging Technology**, volume 7,issue 11, pp 664-684, 2015.

10. **Dr.K.Sebasthirani**, K Jamuna .”Hybrid system for sustaining low voltage regulation in photovoltaic system”, **International Journal of Applied Engineering Research**, volume 10, issue 88, 2015, pp.219-224.
11. P.Maruthupandi **Dr.K.Sebasthirani**, ”Performance analysis of Photovoltaic system with subpanel MPPT converter”, **International Journal of Applied Engineering Research**., volume 10,issue 5, pp 10065-10078, 2015.
12. **Dr.K.Sebasthirani**, S M Balaganesan.” New control technique for mitigation of Harmonics in three phase system using Shunt Active power filter”, **International Journal of Applied Engineering Research**, volume 10,issue 88,2015, pp.213-218.