

Faculty Profile:



Dr.S Sekar

Professor, EEE

Hindustan Institute of Technology and Science

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Experience:

- 37 Years in various Engineering and R&D positions in BHEL Trichy, Ranipet and Corporate R&D division Hyderabad.
- 5 years teaching and Research experience at Hindustan Institute of Technology and Science

Research area:

Electrostatics, High voltage engineering, Particulate pollution control in Power plants using Electrostatic precipitation

Awards:

NRDC certificate of merit, Team leader for DSIR Award on R&D in Industry, Fellow of the International Society for Electrostatic Precipitation

Funded Project:

Electrostatic sensor for Debris monitoring in Gas turbine exhaust

Recent Publications:

1. Gayatridevi Rajamany and Sekar Srinivasan. (2018). Neural Network Approach for Inter Turn Short Circuit Detection in Induction Motor Stator Winding. *Advances in Intelligent Systems and Computing*. 668: 537-550. 0.32 site score
2. Sarath, K.S. and Sekar, S. (2018) Modeling and optimal design of LLC resonant converter using whale optimization algorithm. *International Journal of Modeling, Simulation, and Scientific Computing.*, 09(06): 1850059 (*Scopus and Web of Science Indexed*)
3. Sarath, K.S. and Sekar, S. (2018) “An isolated LLC resonant converter with wide line regulation for DC sources” in *Journal of Advanced Research in Dynamical and Control Systems.*, 07: 582-589 (*Scopus Indexed*)

4. Gayatridevi Rajamany and Sekar Srinivasan. (2017). An Artificial Neural Network Application for the Automatic Detection of Severity of Stator Inter Coil Fault in Three Phase Induction Motor, *Journal of Electrical Engineering & Technology* 12(6): 2219-2226. 0.74 site score
5. N K Rayaguru and S Sekar, Photovoltaic fed Brushless DC motor aided water pumping system , *IJCTA* 10(03), 2017, pp245-255
6. Rajkumar G., Yasin Akm Ayturan, S.Sekar, C.Ganesamoorthy, Air pollution controlled prototype modelling of Electrostatic Precipitator for Small scale Industries, *International Journal of Environmental Pollution and Environmental Monitoring* Vol 3(1), 15-21(2020)
7. G.Rajkumar, C.Ganesamoorthy, S.Sekar, A New design of charging section of Electrostatic Precipitators using Thermocouple principle for air pollution control, *International Journal for Environmental Pollution and Environmental Modelling*, Vol 1(4), 116-119(2018)
8. Rajkumar G, Dr.S.Sekar, Electrostatic Precipitator Power Supply – A Review, *Proceedings of International Conference on computation technologies, (ICICT-2018)*, IEEEExplore part number CFP18F70-ART, ISBN-978-I-5386-4985-5