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1. Margaret Amutha, V.Rajini," Techno-economic evaluation of various hybrid power systems for rural telecom", Renewable and Sustainable Energy Reviews (Elsevier publications), Vol. 43, pp553–561, 2015,
2. VasanPrabhu, V. Rajini, M. Balaji, and V. Prabhu," A Comparative Study of Operating Angle Optimization of Switched Reluctance Motor with Robust Speed Controller using PSO and GA", J ElectrEngTechnol Vol.10 pp 742- 750,2015
3. AnithaRoseline, V.Rajini," A Novel Quadrant Search-Based Mitigation Technique for DC voltage Fluctuation in Multilevel Inverters" Journal of Power Electronics (JPE),2015
4. Krishnaveni, V.Rajini, Rajes," Development of PEF Source in Nanosecond Range for Food Sterilization' Journal of energy systems, 11-4(2015), pp 405-419, ISSN 1112-5209
5. Deepalaxmi R, Rajini V," Performance Evaluation of Electron Beam Irradiated SIR-EPDM Blends", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 22, Issue 6, pp. 3366-3375, December 2015.
6. V.Rajini, Abitha Memala W," Information-Theoretic Criteria for induction motor fault identification" Indian Journal of Science and Technology, Vol 8(30), DOI: 10.17485/ijst/2015/v8i30/70494, ISSN (Print): 0974-6846, ISSN (Online): 0974-5645
7. Rajini, Margaret Amutha(Full-time research scholar)," Cost-benefit and technical analysis of rural electrification alternatives in southern India using HOMER", Renewable and Sustainable Energy Reviews, Elsevier publications, Vol.62,2016, pp236–246,2016.(Annexure 1, Thomson Reuters indexed)
8. Anitha Roseline, M. Senthil Kumaran¹, V. Rajini," Generalized space vector control for current source inverters and rectifiers", Archives of Electrical Engineering. Volume 65, Issue 2, Pages 235–248, ISSN (Online) 2300-2506,2015
9. Rajini, W.Abitha me mala(Research scholar)," Motor current signatures and their envelopes as tools for fault diagnosis", Intelligent Automation and soft computing, Taylor and Francis, ISSN: 1079-8587 (Print) 2326-005X (Online),

10. Anoop J, Rajini V, "Large Signal Modeling of DC-DC Converter with Multiplier Cells for High Voltage Generation" World Applied Sciences Journal 34 (10): 1414-1421, 2016, ISSN 1818-4952, 2016
11. Rajini, Abhitha me mala, "Parametric Method based Inter-Turn Incipient Short Circuit Stator Fault Detection of Induction Motor" Indian Journal of Science and Technology, Vol 9(43), DOI: 10.17485/ijst/2016/v9i43/104668, November 2016
12. Rajini, "A novel control scheme to improve the spectral quality of a single-phase bridgeless boost rectifier", International Journal of Power Electronics, Vol. 8, No. 1, pp 52-67, 2016, Interscience Publishers, ISSN online: 1756-6398.
13. Rajini V, Anitha Roseline, Senthil Kumaran, vijayenthiran subramaniyan , "An Unified Algorithm for Multilevel Inverters" IET power electronics, 10 June 2017, 808 – 816
14. Krishnaveni S, Subhashini R, Rajini V., "Inactivation of bacteria suspended in water by using high-frequency unipolar pulse voltage". Journal of Food Process Eng. 2017; Wiley Publishers, e12574
15. Ikarus, V. Rajini, M G Danikas, R. Sarathi, "A Study of Sir/EPDM Mixtures for Outdoor Insulators", International Journal of Engineering, Technology & Applied Science Research Vol. 7, No. 4, 2017, 1737-1740 1737-1740,
16. Margaret Amutha, V. Rajini, "A new green energy interface for telecommunications" International Journal of Electronics, Taylor & Francis publishers, <https://doi.org/10.1080/00207217.2018.1485178>
17. Rajini, R. B. Jeyapradha, "High-Frequency Transformer Design and Optimization using Bio-inspired Algorithms," International Journal on Applied artificial intelligence, Taylor & Francis, DOI: 10.1080/08839514.2018.1506969, 2018
18. Krishnaveni, V. Rajini, "Diode clamped gate driver-based High voltage pulse generator for Electroporation ", Turkish Journal of Electrical and Computer Sciences. DOI: 10.3906/elk-1710-133, 2018
19. Jeyapradha R. B., Rajini V. Small signal-averaged transfer function model and controller design of modular solid-state transformers. ISA Transactions (2018), Elsevier publications, <https://doi.org/10.1016/j.isatra.2018.09.01>
20. V. Rajini, alagu Dheeraj, "Center clamp for wide input voltage range applications" IEICE transactions on Electronics, vol. E 102, No 1, Jan 2019.
21. R B, Jeyapradha, Rajini V, "a simple and cost-effective modular intelligent transformer for low and medium voltage applications", article no 19.1.4, Journal of Electrical Engineering: Volume 19 / 2019 – Edition: 1.

22. Rajini, Alagudheeraj,” Evolutionary Algorithm Based On Soft Computing Techniques Used in forwarding Converter for Sustainable Applications and Energy Factor Approach“article no 19.2.31, Journal of Electrical Engineering: Volume 19 / 2019 – Edition: 2, 2019.
23. Rajini V, Alagu Dheeraj,” Interleaved center clamped forward converter (ICCFC) for wide input voltage range applications”, IET Power Electronics,2019