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1. D.Sundarsingh Jebaseelan, N.Kiruthika, A. Ramesh Babu, **G.T.Sundarrajan**, A. Kalai Murugan, C.N.Ravi, “Intelligent control of power quality improvement in grid with combined facts devices”, Journal of Critical Reviews, VOL 7, ISSUE 19, 2020. ISSN- 2394-5125.
2. Rajapandian B., **G.T. Sundarrajan**, “Evaluation of DC-DC converter using renewable energy sources”, International Journal of Power Electronics and Drive System (IJPEDS), Vol. 11, No. 4, December 2020, pp. 1918 - 1925. ISSN: 2088-8694 (SCOPUS indexed).
3. C.T. Manikandan, **G.T. Sundarrajan**, “Fuzzy logic controller for closed loop cascaded flyback converter fed PMDC-motor system”, International Journal of Power Electronics and Drive System (IJPEDS), Vol. 11, No. 4, December 2020, pp. 1857 - 1865. ISSN: 2088-8694 (SCOPUS indexed).
4. Rameshbabu a, Barnabas paul glady, **Sundar rajan G T**, Sivachidambaranathan V, “Soft Switched Current Fed Modified Push Pull Converter For PV Application”, International Journal of Scientific & Technology Research, Volume 9, Issue 05, May 2020. ISSN 2277-8616. (SCOPUS indexed)
5. Rameshbabu A, Sivachidambaranathan V, **G. T. Sundar Rajan** J.Barnabas Paul Gladly, “An Enhanced Application of Solar Power to Monitor and Control the LED Street Light System “, Test Engineering and Management, Volume 83 Page Number: 16153 – 16161 Publication Issue: May - June 2020. ISSN: 0193-4120. Published by: The Mattingley Publishing Co., Inc. (SCOPUS indexed)
6. A. Ramesh Babu, M.Velumani, **G. T. Sundar Rajan** and N.S.Sudarsan, “ Regulation of DC link voltage for dynamic braking system for wind turbine PMSG”, International Journal of Scientific & Technology Research, Vol. 1, No. 1. ISSN 2277-8616. (SCOPUS indexed)
7. D.N.S. Ravikumar, **G.T. Sundar Rajan**, “Fault Tolerant Inverter For High Speed Pmbldc Drive In Aerospace Applications”, International Journal Of Scientific & Technology Research, Vol. 9, Issue 02, February 2020. ISSN 2277-8616. (SCOPUS indexed)

8. C. Gunaraj, P. Kapil Karan and **G. T. Sundar Rajan**, "Interleaved high step up non isolated DC – DC converter with improved dynamic responses", International Journal of Applied Engineering Research, Vol. 14, No. 11, November 2019. ISSN 0973-4562.
9. E.Catherine Amala Priya and **G. T. Sundar Rajan**, "An Improved Model of Hybrid Multi Converter used for Grid Connected Applications", International Journal of Power Electronics and Drive Systems (IJPEDS), Vol 10, No 2: June 2019. ISSN: 2088-8694. (SCOPUS indexed)
10. A. Ramesh Babu, **G. T. Sundar Rajan**, J. Barnabas Paul Gladly and V. Geetha, "Multi-MOSFET controlled half bridge AC – AC converter for Induction heating applications", International Journal of Ambient Energy, 31 Jan 2019.
11. P. Velazhagan, A. Ramesh Babu, M. D. Vijayakumar and **G. T. Sundar Rajan**, "Prospect of Pico-Hydro Electric Power Generation Scheme by Using Consuming Water Distributed to Multi Storage Building", Lecture Notes in Electrical Engineering, Publisher: Springer Verlag.
12. R. Magesh and **G.T. Sundar Rajan**, "Elimination of Harmonic in A Single Phase DC-AC Converter Without Filter", International Journal of Pure and Applied Mathematics (IJPAM), Volume 118, No. 16 2018, pp. 907-922. ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).
13. T.Rajmohan and **G.T. Sundar Rajan**, "Design of Step-Up/Step-Down DC-AC Converter without Transformer", International Journal of Pure and Applied Mathematics (IJPAM), Volume 118, No. 16 2018, pp. 961-975. ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).
14. P.E.Robinson and **G.T. Sundar Rajan**, "An Efficient Approach on Single Phase Cascaded Multilevel Inverter with Space Vector Modulation", International Journal of Pure and Applied Mathematics (IJPAM), Volume 118, No. 16 2018, pp. 999-1013. ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).
15. S Anand Das and **G. T. Sundar Rajan**, "Anfis Based Soft Switched Dc-Dc Buck Converter with Coupled Inductor", IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), 2017, PP 45-52. e-ISSN: 2278-2834,pp. ISSN: 2278-8735.
16. T.Sundaresan and **G.T. Sundar Rajan**, "High Gain Sepic Rectification Using Switched Capacitor Module", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 6, Special Issue 3, November 2017, pp. 155 – 162. ISSN (Print) : 2320 – 3765
17. V. Senthil Nayagam, **G. T. Sundar Rajan** and V. Balasubramanian, "Improved Power Factor at Input Stage of Pseudo boost Rectifier with Improved Switching Pattern", International Journal of Applied Engineering Research, Volume 10, Number 6, 2015, pp. 5158 – 5164. ISSN 0973-4562. (Scopus Indexed).
18. R.Hemaprithni and **G.T.Sundar Rajan**, "Three Level Integrated AC to DC Converter fed DC Drive with Cascaded filter", ", International Journal of Applied Engineering Research, Volume 10, Number 6, 2015, pp. 5140 – 5146. ISSN 0973-4562. (Scopus Indexed).
19. D. Jayanthi, **G.T.Sundar Rajan**, "A Novel Unity Power Factor At Input Stage Of Vienna Rectifier For Wind Energy Conversion System Using Fuzzy Logic", International Journal of Applied Engineering Research, Volume 10, Number 6, 2015, pp. 5650 – 5655. ISSN 0973-4562. (Scopus Indexed).
20. V.Balasubramanian, Dr. Sivachidambaranathan and **G.T.Sundar Rajan**, "Super Junction MOSFET And Silicon Carbide Diode Based Transformerless Solar Photovoltaic Inverter Topology For High

21. Power Conversion Efficiency, Zero Dead Time And Minimized Ground Leakage Current”, International Journal of Applied Engineering Research, Volume 10, Number 6, 2015, pp. 5195 – 5199. ISSN 0973-4562. (Scopus Indexed).