

# **PUBLICATIONS**

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3. R. Ramya and **S. Moorthi**, "Frequency response masking based FIR filter using approximate multiplier for bio-medical applications", **Sadhana - Academy Proceedings in Engineering Sciences, Springer**, Vol. 44, No.11, November 2019.
4. S. Aditya and **S. Moorthi**, "A wide tunable fast settling 4-bit Digitally Controlled Oscillator for reconfigurable multi-band RF applications", **Microelectronics Journal, Elsevier**, Vol. 92, October 2019.
5. A. Dheepanchakkravarthy, M. R. Jawahar, K. Venkatraman, M. P. Selvan and **S. Moorthi**, "Performance Evaluation of FPGA Based Predictive Current Controller for Four-leg DSTATCOM in Electric Distribution System", **IET Generation, Transmission and Distribution**, Vol.13, No.19, October 2019.
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7. R. Ramya and **S. Moorthi**, "Performance Evaluation of Wordlength Reduction Based Area and Power Efficient Approximate Multiplier for Mobile Multimedia Applications", **Circuits, Systems, and Signal Processing, Springer**, **38**, 5699–5716, May 2019.
8. A. Dheepanchakkravarthy, M. P. Selvan and **S. Moorthi**, "Alleviation of Power Quality Issues Caused by Electric Arc Furnace Load in Power Distribution System using 3-Phase Four-Leg DSTATCOM", **Journal of The Institution of Engineers (India) - Series B, Springer**, Vol. 100, No.1, pp. 09-22, February 2019.
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11. A. Dheepanchakkravarthy, K. Venkatraman, M. P. Selvan and **S. Moorthi**, "Performance analysis of FPGA controlled four-leg DSTATCOM for multifarious load compensation in

- electric distribution system”, **Engineering Science and Technology, an International Journal, Elsevier**, Vol. 21, No. 4, pp. 692 - 703, Aug. 2018.
12. R. Ramya, **S. Moorthi**, “Review of recent trends in Coarse Grain Reconfigurable Architectures for signal processing applications”, **Advances in System Science and Applications, an International Journal**, Vol. 18, No.1, pp. 41 – 58, May 2018.
  13. A. Dheepanchakkkravarthy, K. Venkatraman, M. P. Selvan, **S. Moorthi** and M. Venkata Kirthiga, “Capability evaluation of four-leg DSTATCOM for compensating multifarious loads”, **Australian Journal of Electrical and Electronics Engineering**, Pages 229-243, <https://doi.org/10.1080/1448837X.2017.1407015>
  14. Venkatraman, K., Selvan, M.P., **Moorthi, S.**, Raja, P. and Deepa Kurup, “Predictive Current Control of DSTATCOM for VAR Compensation of Grid Connected Wind Farms”, **Journal of Renewable and Sustainable Energy**, March 2017, **SCI Indexed**, ISSN: 1941-7012.
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