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Dr. G. Themozhi, Professor in the Department of Electrical and Electronics Engineering has 27 years of teaching and research experience in the field of Signal Processing, Artificial Intelligence, Machine Learning, and Industrial Electronics.

She received her AMIE in Electronics and Communication Engineering degree from Institution of Engineers', India, M.E. in Applied Electronics in University of Madras and Ph.D. from the Anna University, Chennai.

During his Ph.D., she developed a Bidirectional DC to DC Converter module suitable for Aero space applications using VLSI technology. She has published over 57 research publications in refereed national and international journals and in proceedings of conferences. Presently, she is a recognized supervisor of Anna University, Chennai to guide Ph. D/MS Scholars, supervising 5 Ph.D. scholars, and produced two doctorates. She is a Fellow member in Institution of Engineers' (India) and Life member in IETE and ISTE.

Journal Publications

International

1. Radhakrishnan.P and G. Themozhi, "Design of CMOS Truncated Multiplier with 10T GDI Full Adder", TEST Engineering Management, pp.3955-3960, May-June 2020

2. Saravanakumar.C and G. Themozhi, "A Competent Multiplier Architecture with Reduced Transistor Count for Radix -2 Butterfly Computation of Fast Fourier Transform", TEST Management and Engineering, Vol.29, No.4, PP.1158-1169, 2020

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4. Radhakrishnan.P and G. Themozhi, "FPGA implementation of XOR-MUX full adder based DWT for signal processing applications", microprocessor and Microsystems, 2020. **(Science Direct - Elsevier)**

5. Sunil Raj. K and Themozhi.G, "Full Bridge Three Port Bidirectional Converter for Photovoltaic Application", International Journal of Advanced Science and Technology Vol.29, No.4, (2020), PP.1158-1169.

6. T. Arun Srinivas and Themozhi.G, "Current Mode controlled fuzzy logic based inter nleaved cuk converter SVM Fed induction motor drive system", microprocessor and Microsystems, 2020. **(Science Direct- Elsevier)**

7. Merlin Linda, Themozhi.G and Sudheer Reddy Bandi," Color-mapped contour gait image for cross-view gait recognition using deep convolutional neural network", International Journal of Wavelets, Multiresolution and Information Processing Vol. 17, No. 2 (2019) 1941012, World Scientific Publishing Company DOI: 10.1142/S0219691319410

8. Merlin Linda, Themozhi.G and Sudheer Reddy Bandi, "An Intelligence Based Approach for Palmprint Recognition using Ant Colony Optimization", International Journal of Pure and Applied Mathematics, Vol.119, No.12, 2018

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15. G. Themozhi and S. Rama Reddy, "An Intelligent Controlled Bidirectional DC to DC Converter", International Review on Modelling and Simulations, Italy, Vol. 5. n. 5, pp. 1943-1950, October 2012. (**Indexed by Scopus**)

16. G. Themozhi and S. Rama Reddy, "Comparison of Simulation and Experimental Results of ZVS Bidirectional DC-DC Converter", Journal of Electrical Engineering: Volume 11 - Edition: 3, Romania, pp. 151-158, 2011. (Indexed by Scopus)

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