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**Area of Specialization: Power Converters; AC and DC Drives; FPGA.**

### **List of Publications:**

#### **Journal Publications**

1. “Modified SVPWM based three phase to nine phase matrix converter for nine phase induction motor with closed loop speed control”, Journal of Ambient Intelligence and Humanized Computing, Vol. 12 & Issue 6, Pg. No. 6091-6105. ISSN: 1868 – 5137.
2. “Reliable speaker recognition system”, International Journal of Engineering Research and Technology, 2014.
3. “Venturini Method Control For Three Phase Matrix Converter Using FPGA”, Vol. 2 & Issue 3, 2015.
4. “Quality Improvement in Matrix Converter Using Venturini Algorithm” Volume-5, Issue-12, 2018.
5. “IoT Based Input Controlled Matrix Converter” Volume 53, ISSUE 1 (JAN - APR, 2019)

#### **Book Chapters**

1. Recent Emergence of Big Data Analytics and Technologies in Empirical Aspects of Advancements in Science, Engineering and Technologies, Krishna Publishers, India, 2021.
2. Utilization of Artificial Intelligence Concepts in Advanced Manufacturing Systems in Implications of Information Science in Sociotechnical Systems [IIS-STIS], Pg: 424 – 437, 2022.
3. ANN Based Speed Control of BLDC Motor using Boost Converter in Recent Trends in Power Electronics, Volume – I, 2022, Xpress Publishers, India.