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Dr. Babu was a recipient of the *Young Systems Scientist Award 2019* sponsored by the Systems Society of India. And also, he received the *IEEE MAS Best Researcher Award* from the IEEE Madras Section, India, in February 2021. He has received Outstanding Teacher Award 2023 from Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai for his indispensable contribution in teaching. He is an editor-in-chief of *International Journal of Ambient Energy*, Taylor & Francis. And also, He serves as an Editorial Board Member/ Associate Editor for peer-reviewed journals, including *IET Renewable Power Generation*, *IET Energy Systems Integration*, *Electrical Engineering*, and *Energy Sources (Part-A)*.

He has published over 70 papers in SCI-journals including *IEEE Transactions* and *IET Journals*. His current research interests include power electronics applications in smart distribution grids containing renewable energy sources, and the control and grid integration of renewable energy systems (Wind & Solar PV).

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