

**JAVIER GUTIÉRREZ-ESCALONA** received the B.S. degree in electronic and automation engineering and the M.S. degree in industrial engineering with honors from the University of Extremadura, Spain, in 2021 and 2023, respectively. He is currently working towards his Ph.D. degree in electrical and electronic engineering at the University of Extremadura within the Power Electrical and Electronic Systems Research and Development Group. His research interests include artificial intelligence in microgrids control, power electronic converters, hybrid ac/dc microgrid technology, energy storage systems and electric vehicles.