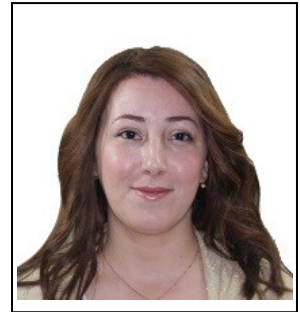


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Permanent Researcher. Dr. Houria ASSEM

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Paper ID : 282

Paper Title : Artificial Neural Network-Based Power Prediction of a 5.5 kWp PV System in Algiers (Algeria) Under Mediterranean Climate Conditions.

Bio :

Dr. Houria ASSEM is a permanent researcher at the Renewable Energy Research Center, CDER (Centre de Developpement des Energies Renouvelables) where his work focuses on the power management of photovoltaic systems integrated with battery storage. His research aims to enhance the efficiency, reliability, and grid compatibility of solar energy systems through advanced control strategies and energy management algorithms.

She holds a degree in Electronics and Electrical Engineering from the University of Sciences and Technology Houari Boumediene (USTHB), Algiers, Algeria, obtained in 2008. She earned her Magister degree in Instrumentation and Electronics Engineering from USTHB in 2013. In 2021, she completed her Ph.D. at ESTACA'LAB, Pole S2ET ("Systèmes et Énergies Embarquées pour les Transports") at the École Supérieure des Techniques Aéronautiques et de Construction Automobile (ESTACA) in Paris, France, in collaboration with USTHB.

Throughout her academic and professional career, she has been involved in multidisciplinary research projects related to photovoltaic systems, energy storage, and embedded energy solutions for transport and microgrid applications. She collaborates with academic institutions and industry partners at both national and international levels to support the global transition to sustainable energy.