



Dr. Tekmile CÜREBAL

*Karadeniz Technical University, Faculty of Engineering, Department of Mechanical Engineering,
tekmilecurebal@ktu.edu.tr*

Paper ID: 271

Paper Title: Profitability Optimization of a Biomass-Solar-BESS Hybrid Power Plant Under Fuel Cost and Equipment Degradation

Authors: Tekmile CÜREBAL, Anıl BADEM, Alican CÜREBAL, and Doğan ERDEMİR.

Biography: Tekmile CÜREBAL completed her Ph.D. in 2025 in the Mechanical Engineering Program at the Faculty of Engineering, Karadeniz Technical University, Türkiye. Her research interests include fluid mechanics, computational fluid dynamics (CFD), building aerodynamics, wind tunnel testing, thermodynamics, wind engineering, and renewable and hybrid energy systems.