

## ICRERA 2025

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**Paper ID** \_\_\_\_\_ : 170

**Paper Title** \_\_\_\_\_ : Solar Tracking Fresnel CSP – PV Hybrid System

**Bio :**

She has been involved in the topics of vibration and wave propagation in her graduate studies. While working as a Research Assistant in Applied Mechanics at Faculty of Engineering at Middle East Technical University, she completed his Master's degree and also completed his doctoral thesis at the same university with his work on fracture mechanics in 1998. Dr. M. Evren Toygar has been working at the Department of Mechanical Engineering, Faculty of Engineering, Dokuz Eylül University since 2000 and has been a full-time professor at the same department since 2017. Her research focuses on the fracture and damage mechanics of composite and metallic materials and the mechanical design of the renewable energy systems. She has published numerous scientific articles in these fields and contributed extensively to academic journals and book chapters on topics related to experimental mechanics and design methodologies. She has taught various undergraduate and graduate-level courses, including Fracture Mechanics, Failure and Fracture Mechanics of Composite Materials, Computational Mathematics, Elastic Stability, and Fundamentals of Solid Mechanics.