

# ICRERA 2025

## 14th INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS

**Ms. Parisa Hosseini**

Independent Researcher – Energy & Sustainability, Iran



**Paper ID** \_\_\_\_\_ : 436

**Paper Title** \_\_\_\_\_ : A Review of Energy Storage Technologies for Renewable Energy Integration in Iran, India, and the UAE: Status, Challenges, and Opportunities

**Bio :**

Parisa Hosseini is an interdisciplinary researcher with a background in Architectural Engineering and Energy & Sustainability. She holds both bachelor's and master's degrees in architectural engineering, where her master's thesis focused on the integration of form and structure in sustainable railway station design. Her research explores the integration of renewable energy systems in the built environment, sustainable architecture, and circular economy strategies. She is currently leading a structured review on energy storage technologies for renewable energy integration in Iran, India, and the UAE, accepted for oral presentation at ICRERA 2025, and is developing a conceptual review on renewable energy integration in urban infrastructure. Her academic interests include lifecycle assessment (LCA), socio-technical transitions, energy-conscious urban design, and climate-adaptive construction methods. She is passionate about bridging architecture, energy systems, and policy design to support low-carbon and resilient urban futures, particularly in developing and transitioning regions.