

## Assoc. Prof. Nadir JAVANI

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### International Researcher IDs

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### Education Information

Doctorate, Ontario Canada Üniversitesi, Canada 2010 - 2013

### Research Areas

Mechanical Engineering

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, 2021 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Energy storage management in a near zero energy building using Li-ion, lead-acid, flywheel, and photovoltaic systems with TRNSYS simulation**  
Haddad M., JAVANI N., Rezaie B.  
Process Safety and Environmental Protection, vol.196, 2025 (SCI-Expanded)
- II. **Risk-based scheduling of multi-energy microgrids with Power-to-X technology under a multi-objective framework**  
Salyani P., Zare K., JAVANI N., BOYNUEĞRİ A. R.  
Sustainable Cities and Society, vol.122, 2025 (SCI-Expanded)
- III. **Guest Editorial for the special issue on "Potential Hydrogen energy Technologies for Decarbonization"**  
JAVANI N., Ahmadi P.  
International Journal of Hydrogen Energy, vol.107, pp.1, 2025 (SCI-Expanded)

### Books

- I. **Thermal Management of Electric Vehicle Battery Systems**  
DINCER İ., Hamut H. S., JAVANI N.  
Wiley Interdisciplinary Reviews-Energy and Environment, 2024

## **Papers Published in Refereed Scientific Meetings**

### **I. Thermal Runaway Prediction of a Lithium-ion Battery Cell Under Mechanical Abuse Conditions**

Örs E. F., Javani N.

The World Energy Storage Conference (WESC-2023), Pennsylvania, United States Of America, 5 - 08 November 2023

## **Metrics**

Publication: 6