

## Asst. Prof. Nader JAVANI

### Personal Information

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**Post Address:** A-630, Mechanical Engineering Department, Yıldız Technical University, Besiktas, Istanbul

### Education Information

Doctorate, Ontario Canada Üniversitesi, Engineering And Applied Science, Canada 2010 - 2013

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Investigation of Energy Storage Options for Thermal Management in Hybrid Electric Vehicles, Ontario Canada Üniversitesi, Makine Muhendisligi, Energy And Thermofluids Engineering, 2013

### Academic Titles / Tasks

Assistant Professor, Yıldız Teknik Üniversitesi, Makine Muhendisligi Bolome, Makine, 2014 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Application of a ground source heat pump system with PCM-embedded radiant wall heating for buildings**  
Oruc O., DİNCER İ., JAVANI N.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, pp.6542-6550, 2019 (Journal Indexed in SCI)
- **Thermodynamic modeling of a solar energy based combined cycle with rock bed heat storage system**  
ÖZTÜRK M., DİNCER İ., JAVANI N.  
Solar Energy, 2019 (Journal Indexed in SCI)
- **Performance assessment of a solar hydrogen and electricity production plant using high temperature PEM electrolyzer and energy storage**  
Nafchi F. M. , BANIASADIE., AFSHARIE., JAVANI N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.5820-5831, 2018 (Journal Indexed in SCI)
- **Hydrogen production via supercritical water gasification of almond shell over algal and agricultural hydrochars as catalysts**  
Safari F., JAVANIN., YUMURTACIZ.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.1071-1080, 2017 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

- **Wind Turbine Blade Flapwise and Edgewise Bending Vibration Analyses Using Energy Methods**  
Çelik A., JAVANI N.  
JOURNAL OF THERMAL ENGINEERING, vol.2, pp.983-989, 2016 (Journal Indexed in ESCI)

## Book & Book Chapters

- **Thermal Management of Electric Vehicle Battery Systems**

DİNCER İ., Hamut H. S. , JAVANI N.

John Wiley Sons Ltd, 2019

## Refereed Congress / Symposium Publications in Proceedings

- **Energy and exergy analyses of a PCM embedded radiant wall heating system**

oruç O., DİNCER İ., JAVANI N.

10th International Exergy, Energy and Environment Symposium (IEEES-10), 1 - 04 Temmuz 2018

- **Thermodynamic Modeling of a Solar Based Combined Cycle with Rock Bed Heat Storage System**

ÖZTÜRK M., DİNCER İ., JAVANI N.

14. International Conference on Energy Storage, 25 - 28 Nisan 2018

- **Thermodynamic Study of an Integrated System with Compressed Air and Heat Storage Units**

KARAPEKMEZ A., DİNCER İ., JAVANI N.

14. International Conference on Energy Storage, 25 - 28 Nisan 2018

- **Experimental end numerical investigation of squeezing efficiency at washing machines**

PINARBAŞI A., CELLEK M. S. , JAVANI N., DOĞAN A.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 21 Aralık 2017, pp.1-9

- **Multi Objective Optimization Underfloor Heating System Based on Particle Swarm Algorithm**

JAVANI N., Hajabdollahi H., YUMURTACI Z.

International Conference on Energy Systems, İstanbul, Turkey, 23 Aralık 2015, pp.150-155

- **Natural Frequencies Analyses of a NACA-4415 Wind Turbine Blade Using Energy Methods**

Çelik A., Javani N.

International conference on energy systems Istanbul 2015 - ICES2015 , İstanbul, Turkey, 23 - 25 Aralık 2015, pp.88-96

- **Numerical and Analytical Study of Natural Frequencies in a Wind Turbine Blade Using Finite Element and Energy Methods**

ÇELİK A., JAVANI N., KESKİN U.

pp.865-871

## Supported Projects

Yumurtacı Z., Çetin B., Akkaya A. V. , Pusat Ş., Javani N., Technopark, DEMİR-ÇELİK ENDÜSTRİSİ ATIĞI CÜRUFUN ISIL GERİ KAZANIM POTANSİYELİNİN BELİRLENEREK ELEKTRİK ÜRETİMİNDE KULLANILMASININ ANALİZİ, 2019 - 2019

## Citations

Total Citations (WOS):30

h-index (WOS):2