

## Res. Asst. MUHAMMED EMİN TOPAL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: GGO-9679-2022

ScopusID: 57224903821

Yoksis Researcher ID: 277437

### Education Information

Doctorate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, Turkey 2019 - Continues  
Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2017 - 2019

Undergraduate, Uludağ Üniversitesi, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 2011 - 2016

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Project Management, Avrupa Birliği Projeleri Eğitimi, Türk Alman Üniversitesi, 2022

Vocational Course, Aspen Plus - Basic Process Modeling, Chemical Engineering G., 2021

Vocational Course, 17. Ekserji ve Uygulamaları Yaz Kursu, Yıldırım Beyazıt Üniversitesi, 2020

Vocational Course, 16. Ekserji ve Uygulamaları Yaz Kursu, Trakya Üniversitesi, 2019

Vocational Course, 15. Ekserji ve Uygulamaları Yaz Kursu, Yaşar Üniversitesi, 2018

### Dissertations

Postgraduate, Investigation of thermodynamic performance of cooling a modular nuclear reactor with different secondary coolants, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2019

### Research Areas

Mechanical Engineering, Energy, Engineering and Technology

## Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2018 - Continues

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

- I. **Artificial Neural Network Modeling Techniques for Drying Kinetics of Citrus medica Fruit during the Freeze-Drying Process**  
Topal M. E., Şahin B., Vela S.  
Processes, vol.12, no.7, pp.1-19, 2024 (SCI-Expanded)
- II. **A comprehensive review on hydrogen production from coal gasification: Challenges and Opportunities**  
Midilli A., Küçük H., Topal M. E., Akbulut U., Dincer İ.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.50, pp.25385-25412, 2021 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Güneş Enerjisi Destekli Trijenerasyon Sistemin Termodinamik Analizi: Gıda Üretim Tesisi Örneği**  
Gezer H., Sökmen K. F., Topal M. E., Şahin B.  
9. INTERNATIONAL SCIENCES AND INNOVATION CONGRESS, Şanlıurfa, Turkey, 16 - 17 March 2024, pp.1-6
- II. **Ağaç Kavunu Meyvesinin Farklı Mikrodalga Güçlerinde Kurutulması Ve Kurutma Kinetiğinin İncelenmesi**  
Topal M. E., Şahin B.  
11th International Conference on Applied Sciences, Mersin, Turkey, 23 - 25 February 2024, pp.1-9
- III. **FREEZE DRYING OF TEA LEAVES AND INVESTIGATION OF DRYING KINETICS**  
Topal M. E., Şahin B.  
Uluslararası Katılımlı 24. Isı Bilimi ve Tekniği Kongresi, Ankara, Turkey, 6 - 08 September 2023, vol.2, pp.859-866
- IV. **FREEZE-DRYING OF FOODS**  
Şahin B., Topal M. E.  
V. INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, İstanbul, Turkey, 15 - 16 January 2023, pp.526-533
- V. **PARAMETRIC INVESTIGATION OF THE EFFECT OF ENERGY GENERATION SYSTEMS ON GLOBAL WARMING**  
Topal M. E.  
INTERNATIONAL MEDITERRANEAN CONGRESS, Mersin, Turkey, 16 - 18 November 2022, pp.576-583
- VI. **A STUDY ON FLIBE SALT COOLED SMALL MODULAR NUCLEAR REACTOR INTEGRATED HYDROGEN PRODUCTION**  
Topal M. E., Midilli A.  
2nd International Conference on Energy, Environment and Energy Storage, Kayseri, Turkey, 1 - 03 September 2022, pp.312-314
- VII. **THERMODYNAMIC INVESTIGATION OF A MULTIGENERATION SYSTEM USED FOR RESIDENTIAL APPLICATIONS AND HYDROGEN PRODUCTION**  
Topal M. E., Gezer H.  
8th INTERNATIONAL CONGRESS ON INNOVATIVE SCIENTIFIC APPROACHES, Samsun, Turkey, 23 - 24 November 2022, pp.169-173
- VIII. **Entropy Generation of a FLiBe Molten Salt Modular Nuclear Reactor Cooled by Supercritical Carbondioxide**  
Topal M. E., Midilli A.  
12th International Exergy, Energy and Environment Symposium (IEEES-12), Ad-Dawhah, Qatar, 20 - 24 December 2020, pp.1-4

**IX. Effect of Inlet Air Temperature on Exergetic Performance of Hydrogen Production from Car Tires via Plasma Gasification**

Demircay H., Mehan M., Topal M. E., Kalıncı Y., Bayraktar Ş., Akbulut U., Küçük H., Olgun H., Midilli A., Dinçer İ.  
3rd International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018, pp.366-369

**Supported Projects**

Şahin B., Topal M. E., Project Supported by Higher Education Institutions, Meyvelerin Döner Izgaralı Kızılötesi Destekli Sistemle Dondurarak Kurutulması ve Kurutma Karakteristiklerinin Belirlenmesi, 2023 - 2025

Akçay H. T., Hekimoğlu A. P., Topal M. E., Bekiryazıcı E., Project Supported by Other Official Institutions, Korozyon İnceleme ve Araştırma Laboratuvarı Kurulması, 2016 - 2016

**Metrics**

Publication: 11

Citation (WoS): 86

Citation (Scopus): 254

H-Index (WoS): 1

H-Index (Scopus): 1