

## Assoc. Prof. Hakan TEMÜR

### Personal Information

**Office Phone:** [+90 442 231 4587](tel:+904422314587)

**Email:** [htemur@atauni.edu.tr](mailto:htemur@atauni.edu.tr)

**Web:** <https://avesis.atauni.edu.tr/htemur>

**Address:** Atatürk Üniversitesi Mühendislik Fakültesi Kimya Mühendisliği Bölümü 25240 Yakutiye/Erzurum

### International Researcher IDs

ScholarID: BfEMJlsAAAAJ

ORCID: 0000-0001-6356-7061

Yoksis Researcher ID: 36709

### Education Information

Doctorate, Ataturk University, Fen Bilimleri , Kimya Mühendisliği, Turkey 1998 - 2003

Postgraduate, Ataturk University, Fen Bilimleri , Kimya Mühendisliği, Turkey 1995 - 1998

Undergraduate, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1990 - 1995

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Oksitli ve Sülfürlü Cevherlerinden Bakır Üretiminde Yeni Bir Metod, Atatürk Üniversitesi, Kimya Mühendisliği, Proses Ve Reaktör Tasarımı, 2003

### Research Areas

Chemical Engineering and Technology, Process and Reactor Design, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2017 - Continues

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Kimya Mühendisliği, 2004 - 2017

### Academic and Administrative Experience

Assistant Director of the Institute, Ataturk University, Fen Bilimleri Enstitüsü, 2018 - 2021

### Courses

Introduction to Chemical Engineering, Undergraduate, 2023 - 2024  
Professional English II, Undergraduate, 2022 - 2023  
Professional English I, Undergraduate, 2022 - 2023  
Analytical Chemistry and Instrumental Analysis, Undergraduate, 2021 - 2022  
Alternative Energy Technologies, Undergraduate, 2020 - 2021  
Graduate Project-II, Undergraduate, 2020 - 2021  
Kimya Mühendisliği Laboratuvarı-III, Undergraduate, 2020 - 2021  
Graduate Project-I, Undergraduate, 2020 - 2021  
Energy Storage Technologies, Postgraduate, 2020 - 2021  
General Chemistry, Undergraduate, 2020 - 2021  
Numerical Methods, Undergraduate, 2017 - 2018  
General Chemistry, Undergraduate, 2018 - 2019

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2020

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

- I. **Removal of water by using cationic resin during biodiesel purification**  
OKUMUŞ Z. Ç., DOĞAN T. H., TEMÜR H.  
Renewable Energy, vol.143, pp.47-51, 2019 (SCI-Expanded)
- II. **Comparative engine characteristics of biodiesels from hazelnut, corn, soybean, canola and sunflower oils on DI diesel engine**  
Efe Ş., Ceviz M. A., Temür H.  
Renewable Energy, vol.119, pp.142-151, 2018 (SCI-Expanded)
- III. **The effects of long-term storage on the cold flow properties and viscosity of canola-based biodiesel**  
KANCA A., TEMÜR H.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.15, pp.2205-2210, 2016 (SCI-Expanded)
- IV. **Cold flow properties of biodiesel obtained from corn oil**  
RASIMOĞLU N., TEMÜR H.  
ENERGY, vol.68, pp.57-60, 2014 (SCI-Expanded)
- V. **Effect of fractional winterization of beef tallow biodiesel on the cold flow properties and viscosity**  
DOĞAN T. H., TEMÜR H.  
Fuel, vol.108, pp.793-796, 2013 (SCI-Expanded)
- VI. **Autothermal Reforming of Methane in a Reverse-Flow Reactor**  
LİU T., Temur H., Vesper G.  
CHEMICAL ENGINEERING & TECHNOLOGY, vol.32, no.9, pp.1358-1366, 2009 (SCI-Expanded)
- VII. **Alkali-Catalyzed Biodiesel Production from Mixtures of Sunflower Oil and Beef Tallow**  
Taravus S., TEMÜR H., YARTAŞI A.  
ENERGY & FUELS, vol.23, no.8, pp.4112-4115, 2009 (SCI-Expanded)
- VIII. **The kinetics of dissolution of colemanite in H<sub>3</sub>PO<sub>4</sub> solutions**  
Temur H., YARTAŞI A., Copur M., KOCAKERİM M. M.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.39, no.11, pp.4114-4119, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of leaching conditions of chalcopryrite by chlorine gas in aqueous medium**  
TEMÜR H., YARTAŞI A., KOCAKERİM M. M.  
International Journal of Chemistry and Technology, vol.1, pp.67-73, 2017 (Peer-Reviewed Journal)
- II. **A study on the optimum conditions of the cementation of copper in chlorination solution of chalcopryrite concentrate by iron scraps**  
TEMÜR H., YARTAŞI A., KOCAKERİM M. M.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, pp.63-73, 2006 (Peer-Reviewed Journal)
- III. **A kinetic study of oxidized copper ore in ammonium chloride solutions**  
YARTAŞI A., ÇOPUR M., KOCAKERİM M. M., ÖZMETİN C., TEMÜR H.  
Energy, Education, Science and Energy, vol.3, no.2, pp.55-65, 1999 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Uses and Applications of the Corn Oil**  
TEMÜR H.  
in: Corn and Coconut Oil Antioxidant Properties Uses and Health Benefits, Constantin Apetrei , Editor, Nova Science Publishers, New-York, pp.79-92, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Leaching Of Wasted Lithium Ion Battery Cathode Metals By Aqueous Solutions Saturated With Flue Gas**  
Temür H., Dursunoğlu M. N.  
SİVAS INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATION RESEARCH, Sivas, Turkey, 13 - 15 October 2022, pp.3-37
- II. **Separation of water in raw biodiesel using cationic resin**  
Çelik Okumuş Z., DOĞAN T. H., TEMÜR H.  
ITESDES-18, Giresun, Turkey, 28 - 30 June 2018
- III. **REMOVAL OF WATER FROM RAW BIODIESEL BY SUNFLOWERHULLS**  
DIZMAN A., TEMÜR H.  
International Conference on Applications in Chemistry and Chemical Engineering, Sarajevo, Bosnia And Herzegovina, 11 January 2017 - 15 January 2018
- IV. **The Effect of Sunflower Biodiesel on Cyclic Variation Using Wavelet Analysis Method**  
EFE Ş., TEMÜR H.  
6st International Conference On Renewable Fuels Combustion and Fire (FCE), 18 - 21 May 2017, pp.112-119
- V. **Comparison of Engine Performance and Exhaust Emission Values of Sunflower Biodiesels with Diesel Fuel**  
EFE Ş., TEMÜR H.  
6st International Conference On Renewable Fuels Combustion and Fire (FCE), Nevşehir, Kapadokya, Turkey, 18 - 21 May 2017, pp.101-111
- VI. **Fractional Winterization of Beef Tallow Biodiesel**  
DOĞAN T. H., Temur H.  
International Conference on Recycling and Reuse, 4 - 06 June 2012
- VII. **Yağlardan Soğuk Akış Özellikleri Optimize Edilmiş Biyodizel Üretimi**  
RASİMOĞLU N., TEMÜR H.  
ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ-9 – GAZİ ÜNİVERSİTESİ, Ankara, Turkey, 20 - 22 June 2010
- VIII. **The Dissolution Kinetics of Chalcopryrite Concentrate in Aqueous Chlorination Solutions of**

### **Chalcopyrite Concentrate**

TEMÜR H., YARTAŞI A., KOCAKERİM M. M.

1 st. International Symposium on Sustainable Development, Sarajova, Bosnia And Herzegovina, 9 - 10 June 2009

### **IX. Determination of the Optimum Conditions of the Dissolution of Chalcopyrite Concentrate in Aqueous Solutions Saturated with Chlorine Gas**

TEMÜR H., YARTAŞI A., KOCAKERİM M. M.

1 st. International Symposium on Sustainable Development, Sarajova, Bosnia And Herzegovina, 9 - 10 June 2009

### **X. Autothermal Methane Reforming in a Reverse Flow Reactor**

LIU T., TEMÜR H., VESER G.

AIChE 2005 Annual Meeting, Cincinnati, United States Of America, 03 November 2005

## **Supported Projects**

TEMÜR H., YILMAZ S., Project Supported by Higher Education Institutions, Biyokütle Esaslı Karbon Katkılı LiCoO<sub>2</sub> Katodun Elektrokimyasal Performansının İncelenmesi, 2021 - 2023

EFE Ş., KIZILASLAN A., TEMÜR H., Project Supported by Higher Education Institutions, Li<sub>6</sub>PS<sub>5</sub>Cl Katı Elektrolitli LiS Batarya Üretiminde Tane Boyutunun Batarya Performansına Etkisinin İncelenmesi, 2019 - 2022

TEMÜR H., DOĞAN T. H., Project Supported by Higher Education Institutions, KURŞUN ASİT BATARYALI ELEKTRİKLI ARAÇ TASARIMI, 2010 - 2012

## **Metrics**

Publication: 24

Citation (WoS): 239

Citation (Scopus): 286

H-Index (WoS): 7

H-Index (Scopus): 7

## **Non Academic Experience**

Kırgızistan-Türkiye Manas Üniversitesi

Waterloo Üniversitesi (Kanada)

Pittsburgh Üniversitesi (ABD)