

## Asst. Prof. ADİL KOÇ

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 122536

### Education Information

Doctorate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1999 - 2003

Postgraduate, Firat University, Faculty Of Engineering, Department Of Chemistry Engineering, Turkey 1994 - 1997

Undergraduate, Firat University, Faculty Of Engineering, Department Of Chemistry Engineering, Turkey 1988 - 1993

### Foreign Languages

English, A2 Elementary

### Certificates, Courses and Trainings

Education Management and Planning, TS EN ISO 17025 KAPSAMINDA ÖLÇÜM BELİRSİZLİĞİ EĞİTİMİ, TMMOB- KİMYA MÜHENDİSLERİ ODASI, 2018

Education Management and Planning, TS EN ISO 17025 LAB. İSTATİSTİKİ, METOTLARIN GEÇERLİLİĞİ VE METOT TEYİT EĞİTİMİ, TMMOB- KİMYA MÜHENDİSLERİ ODASI, 2018

Education Management and Planning, KÖK NEDEN ANALİZİ, Lean ACADEMY, 2018

Quality Management, TS EN ISO 9001:2015 KALİTE YÖNETİM SİSTEMİ TEMEL EĞİTİMİ, TÜRK STANDARDLARI ENSTİTÜSÜ, 2017

### Dissertations

Doctorate, Plastik atıkların oksidatif ve inert ortamda ısıl ve katalitik bozunma ile karboksilli asitlere dönüşümü, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü, 2003

Postgraduate, TRİGLİSERİDLERİN ENZİMATİK HİDROLİZİNE ÇÖZÜCÜ ETKİLERİ, Firat University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü, 1997

### Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Thermodynamics, Separation Operations, Engineering and Technology

## **Academic Titles / Tasks**

Assistant Professor, Inonu University, Mühendislik Fakültesi, Kimya Mühendisliği, 2009 - Continues

## **Academic and Administrative Experience**

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Kimya Mühendisliği, 2014 - Continues

Director of the Center, Inonu University, 2016 - 2021

Deputy Head of Department, Inonu University, Mühendislik Fakültesi, Kimya Mühendisliği, 2010 - 2018

## **Courses**

ADVANCED HEAT TRANSFER, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

FLUID MECHANICS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

FLUID MECHANICS, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

HEAT TRANSFER, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

SOLID WASTE RECYCLING, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

KM507 İLERİ ISI TRANSFERİ, Undergraduate Double Major, 2013-2014

GENEL KİMYA 1 (NÖ), Undergraduate, 2013-2014

GENEL KİMYA 1 (NÖ), Undergraduate, 2012-2013

KM507 İLERİ ISI TRANSFERİ, Undergraduate Double Major, 2012-2013

GENEL KİMYA 1 (NÖ), Undergraduate, 2011-2012

GENEL KİMYA 1 (NÖ), Undergraduate, 2010-2011

GENEL KİMYA 1 (NÖ), Undergraduate, 2009-2010

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

- I. The solvent effect of ethanol and n-hexane on the hydrolysis of triolein and tributyrin by *Candida cylindracea* lipase  
Koç A., Özer D., Ekiz H. İ.  
NEW BIOTECHNOLOGY, vol.25, pp.166, 2009 (SCI-Expanded)
- II. Oxidative thermal degradation of LDPE and the determination of some thermodynamic quantities  
KOÇ A., ŞİMŞEK E. H., BİLGESÜ A. Y.  
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.85, pp.380-383, 2009 (SCI-Expanded)
- III. Catalytic and thermal oxidative pyrolysis of LDPE in a continuous reactor system  
Koc A., Bilgesu A. Y.  
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.78, no.1, pp.7-13, 2007 (SCI-Expanded)
- IV. A factorial experimental design for oxidative thermal decomposition of low-density polyethylene waste  
Koc A., Bilgesu A., Alibeyli R., Kocak M.  
JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, vol.72, no.2, pp.309-315, 2004 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. Thermal Pyrolysis of Waste Disposable Plastic Syringes and Pyrolysis Thermodynamics  
Koç A.  
Advances in Chemical Engineering and Science, vol.12, no.2, pp.96-113, 2022 (Peer-Reviewed Journal)
- II. Conversion of Polyethylene Wastes to Useful Products By Chemical Degradation Method (Pyrolysis)  
Koç A.

- ANKARA ÜNİVERSİTESİ ÇEVRE BİLİMLERİ DERGİSİ, vol.8, no.1, pp.19-26, 2021 (Peer-Reviewed Journal)
- III. **Investigation of Antimicrobial Activity and Characterization, Synthesis of Silver Nanoparticles from Hypericum triquetrifolium Turra Plant**  
Koç A., Umaz A.  
İĞDIR ÜNİVERSİTESİ, FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.9, no.3, pp.1467-1475, 2019 (Peer-Reviewed Journal)
- IV. **Synthesis, Characterization and Antimicrobial Applications of Silver Nanoparticles (AgNPs) with Kenger (Gundelia Tournefortii) Leaf**  
Koç A., Baran M. F., Uzan S.  
International Journal on Mathematic, Engineering and Natural Sciences , vol.2, no.5, pp.44-52, 2018 (Peer-Reviewed Journal)
- V. **Studying the Utilization of Plastic Waste by Chemical Recycling Method**  
Koç A.  
Open Journal of Applied Sciences, vol.3, no.7, pp.413-420, 2013 (Peer-Reviewed Journal)

## Metrics

Publication: 15

Citation (WoS): 30

Citation (Scopus): 27

H-Index (WoS): 3

H-Index (Scopus): 3

## Non Academic Experience

İnönü Üniversitesi, Mühendislik Fakültesi

İnönü Üniversitesi, Mühendislik Fakültesi

Ankara Üniversitesi, Mühendislik Fakültesi

İnönü Üniversitesi, Mühendislik Fakültesi