

**Lect. PhD Nalan Türköz**  
**Karakullukçu**



**Personal Information**

**Office Phone:** [+90 362 312 1919](tel:+903623121919) Extension: 1626

**Email:** [nturkoz@omu.edu.tr](mailto:nturkoz@omu.edu.tr)

**Other Email:** [nalan.turkoz@gmail.com](mailto:nalan.turkoz@gmail.com)

**Web:** <https://avesis.omu.edu.tr/nturkoz>

**Address:** [nturkoz@omu.edu.tr](mailto:nturkoz@omu.edu.tr)



**International Researcher IDs**

ScholarID: Egb26mAAAAAJ

ORCID: 0000-0001-7774-4970

Publons / Web Of Science ResearcherID: HJI-6327-2023

ScopusID: 57842523500

Yoksis Researcher ID: 125653

**Education Information**

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı,  
Turkey 2001 - 2009

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli),  
Turkey 1999 - 2003

**Foreign Languages**

English, C1 Advanced

**Dissertations**

Doctorate, Disülfürlerin mikrodalga yardımıyla sentezi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya  
Anabilim Dalı, 2009

Postgraduate, Amidosülfidlerin sentezi, özellikleri ve asit katalizli hidroliz mekanizması, Ondokuz Mayıs University, Fen  
Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2003

**Research Areas**

Chemical Engineering and Technology, Chemistry, Organic Chemistry, Natural Sciences

**Academic Titles / Tasks**

Lecturer PhD, Ondokuz Mayıs University, Karadeniz İleri Teknoloji Araştırma ve Uygulama Merkezi, 2012 - Continues

Research Assistant PhD, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 2002 - 2009

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

- I. **Agricultural waste-based microporous catalysts for oxidative desulfurization of highly sour heavy gas oil**  
Mohammed A. E., Gheni S. A., Mohammed W. T., Ahmed S. M., Aqar D. Y., Mohammed H. R., Ali M. M., Mohammed M. H., Türköz Karakullukçu N., Hmood H. M., et al.  
DIAMOND AND RELATED MATERIALS, vol.142, no.110723, pp.1-19, 2023 (SCI-Expanded)
- II. **Inhibitory effects of sulfenimides on human and bovine carbonic anhydrase enzymes**  
Yakan H., Bilir G., Çakmak Ş., Taş Ö., Türköz Karakullukçu N., Soydan E., Kütük H., Güçlü C., Şentürk M., Arslan T., et al.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.38, no.1, 2023 (SCI-Expanded)
- III. **Experimental investigation of fuel properties and engine operation with natural and synthetic antioxidants added to biodiesel**  
Uğuz G., Cakmak A., Bento C. D. S., Türköz Karakullukçu N.  
BIOFUELS-UK, vol.14, no.4, pp.405-420, 2023 (SCI-Expanded)
- IV. **New 5-methylisatin including thiocarbohydrazones: preparation, structure elucidation and antimicrobial activity**  
Yakan H., ÇAKMAK Ş., Buruk O., VEYİSOĞLU A., MUĞLU H., Türköz Karakullukçu N.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.10, pp.4331-4345, 2022 (SCI-Expanded)
- V. **Crystal and Molecular Structure of N-(Phenylthio)phthalimide(1)**  
TANAK H., Yakan H., Kütük H., Türköz Karakullukçu N., DEGE N.  
CRYSTALLOGRAPHY REPORTS, vol.63, no.3, pp.379-381, 2018 (SCI-Expanded)
- VI. **CHARACTERIZATION AND COMPARATIVE STUDIES ON CONVENTIONAL AND MICROWAVE SYNTHESIS OF SOME DISULFIDES**  
Türköz Karakullukçu N., Yakan H., Öztürk S., Kütük H.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.188, no.11, pp.1576-1583, 2013 (SCI-Expanded)
- VII. **MICROWAVE-ASSISTED SYNTHESIS OF DISULFIDES**  
Kütük H., Türköz Karakullukçu N.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.186, no.7, pp.1515-1522, 2011 (SCI-Expanded)
- VIII. **Crystal Structure and DFT Calculations of Two Derivatives of Phthalimide.**  
Yazici S., Türköz Karakullukçu N., Kütük H., Senel I., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- IX. **N-(p-methoxyphenylsulfanyl)phthalimide**  
Yazici S., Turkoz N., Kutuk H., Senel I., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- X. **N-[(4-Methylphenyl)sulfanyl]phthalimide**  
Yazici S., Turkoz N., Kutuk H., Senel I., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.63, 2007 (SCI-Expanded)
- XI. **The synthesis and substituent effect of the acid catalyzed hydrolysis of amidosulfites**  
Kutuk H., Bekdemir Y., Turkoz N.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.181, no.4, pp.931-937, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Catalytic production of biodiesel from waste cooking oil in a two-phase oscillatory baffled reactor: Deactivation kinetics and ANN modeling study**  
Ali M. M., Gheni S. A., Ahmed S. M., Hmood H. M., Hassan A. A., Mohammed H. R., Mohammed S. T., Karakullukcu N.  
Energy Conversion and Management: X, vol.19, 2023 (ESCI)

- II. **The Effects of the Addition of Dill Oil (*Anethum graveolens*) into Biodiesel-Diesel Blends**  
DİKYOL O. A., KABADAYI B., İŞLER E., CİNGÖZ İ., BENTO C. d. S., TÜRKÖZ KARAKULLUKÇU N., UĞUZ G.  
Journal of Turkish Chemical Society Section B: Chemical Engineering, vol.5, no.2, pp.203-212, 2022 (Peer-Reviewed Journal)
- III. **Synthesis of some symmetric disulfides from thiophthalimides and amines under microwave irradiation**  
Yakan H., Türköz Karakullukçu N., Çakmak Ş., Kütük H.  
RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT, vol.22, no.4, pp.45-54, 2018 (Scopus)

## Books & Book Chapters

- I. **BİYODİZELDE KULLANILABİLECEK ANTİOKSİDAN TÜRLERİ**  
Türköz Karakullukçu N.  
in: TEMİZ ENERJİYE GENELBAKİŞ, Dr. Öğr. Üyesi Gediz UĞUZ, Editor, Iksad Publications – 2022©, Ankara, pp.113-150, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **THE EFFECT OF PLANTAGO LANCEOLATASOURCED PHENOLIC COMPOUNDS ON OXIDATION STABILITY OF BODIESELDIESEL MIXTURE**  
TÜRKÖZ KARAKULLUKÇU N.  
10th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Turkey, 19 - 21 May 2023, pp.483-492
- II. **SYNTHESIS, CHARACTERIZATION AND ANTIOXIDANT ACTIVITY OF SOME NEW SCHIFF BASES**  
TÜRKÖZ KARAKULLUKÇU N.  
4. International Antalya Scientific Research and Innovative Studies Congress, Antalya, Turkey, 9 - 10 May 2023, pp.1-11
- III. **INCREASE OF STORAGE STABILITY IN BODIESELDIESEL FUEL MIXTURES BY ANTIOXIDANT EFFECTS OF ARUM MACULATUM EXTRACT**  
TÜRKÖZ KARAKULLUKÇU N.  
TOKYO 7TH INTERNATIONAL INNOVATIVE STUDIES & CONTEMPORARY SCIENTIFIC RESEARCH CONGRESS, Tokyo, Japan, 21 April 2023, pp.254-262
- IV. **Crystal Structure and DFT Calculations of Two Derivatives of Phthalimide**  
Uzun S., Türköz Karakullukçu N., Kütük H., Şenel İ., Büyükgüngör O.  
25th European Crystallographic Meeting, ECM 25, İstanbul, Turkey, 16 - 21 August 2009
- V. **Microwave assisted synthesis of morpholine based sulfenamides**  
YAKAN H., TÜRKÖZ KARAKULLUKÇU N., KÜTÜK H.  
Anatolian Conference on Synthetic Organic Chemistry (ACSOC 2015), Antalya, Turkey, 16 - 19 March 2015
- VI. **SYNTHESIS OF DISULFIDES FROM SULFENIMIDES AND AMINES**  
Yakan H., Öztürk S., Türköz Karakullukçu N., Kütük H.  
Uluslararası Katılımlı 26.Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012
- VII. **Mikrodalga Yardımı İle Sülfenamid Türevlerinin Sentezi**  
YAKAN H., TÜRKÖZ KARAKULLUKÇU N., ÖZTÜRK S., KÜTÜK H.  
26. Ulusal Kimya Kongresi, Turkey, 1 - 06 October 2012
- VIII. **Sülfenimitler ve Aminlerinden Disülfürlerin Sentezi**  
YAKAN H., ÖZTÜRK S., TÜRKÖZ KARAKULLUKÇU N., KÜTÜK H.  
26. Ulusal Kimya Kongresi, Turkey, 1 - 06 October 2012
- IX. **Mikrodalga Yardımı ile Sülfenamid Türevlerinin Sentezi**  
YAKAN H., TÜRKÖZ KARAKULLUKÇU N., ÖZTÜRK S., KÜTÜK H.

Uluslararası Katılımlı 26.Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012

X. **Bazı Disülfürlerin Mikrodalga Yardımıyla Sentezi**

TÜRKÖZ KARAKULLUKÇU N., YAKAN H., KÜTÜK H.

Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011

XI. **Mikrodalga Yardımı ile Bazı Disülfürlerin Sentezi**

YAKAN H., TÜRKÖZ KARAKULLUKÇU N., KÜTÜK H.

Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011

XII. **Bazı Tiyofthalimit Türevlerinin Sentezi ve Yapılarının Aydınlatılması**

YAKAN H., TÜRKÖZ KARAKULLUKÇU N., KÜTÜK H.

Uluslararası Katılımlı XXII. Ulusal Spektroskopi Kongresi, Antalya, Turkey, 18 - 22 May 2011

XIII. **The Synthesis and Substituent Effect of Acid Catalysed Hydrolysis of Amidosulfites**

TÜRKÖZ KARAKULLUKÇU N., KÜTÜK H.

The 15TH European Symposium On Quantitative Structure-Activity Relationships & Molecular Modelling,

İstanbul, Turkey, 05 September 2004, pp.257-258

## Supported Projects

Türköz Karakullukçu N., Project Supported by Higher Education Institutions, İnsansız Kara Aracı ile Yabancı Ot Tespiti, 2023 - 2023

Türköz Karakullukçu N., Project Supported by Higher Education Institutions, Uluslararası insansız hava aracı yarışması avcı zirai tarımsal drone ile yabancı ot ve zararlı tespiti, 2023 - 2023

Öztürk F., Barlak Y., Türköz Karakullukçu N., Uğurtay E., BİLGİN K., İnanç İ., Project Supported by Higher Education Institutions, Karadeniz İleri Teknoloji Araştırma ve Uygulama Merkezi (KİTAM) Alt Yapı Geliştirme Projesi, 2016 - 2018