

## Assoc. Prof. MERVE İÇLİ ÖZKUT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-7011-2019

ScopusID: 54782763000

Yoksis Researcher ID: 17893

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Kimya (Dr), Turkey 2004 - 2011

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 2000 - 2004

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Color engineering of pi-conjugated donor-acceptor systems: The role of donor and acceptor units on the neutral state color, Middle East Technical University, 2011

### Research Areas

Polymeric Films, Polymeric Materials

### Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Associate Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2017 - 2020

Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Kimya Bölümü, 2011 - 2014

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Kimya (Dr), 2005 - 2011

### Courses

CHM105 General Chemistry I, Undergraduate, 2023 - 2024, 2022 - 2023  
CHM0216 PHYSICAL CHEMISTRY II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
CHM1106 General Chemistry II, Undergraduate, 2022 - 2023, 2021 - 2022  
CHM0118 FUNDAMENTALS OF CHEMISTRY II, Undergraduate, 2022 - 2023, 2021 - 2022  
CHM4454 Special Subject, Undergraduate, 2023 - 2024  
CHM0313 PHYSICAL CHEMISTRY III, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
CHM0357 PHYSICAL CHEMISTRY LABORATORY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
CHM0117 FUNDAMENTALS OF CHEMISTRY I, Undergraduate, 2023 - 2024, 2022 - 2023  
KİM0357 Fizikokimya Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
CHM102 Basic Chemistry II, Undergraduate, 2021 - 2022, 2020 - 2021  
CHM121 GENERAL CHEMISTRY , Undergraduate, 2021 - 2022  
CHM0215 PHYSICAL CHEMISTRY I, Undergraduate, 2021 - 2022

## Advising Theses

İÇLİ ÖZKUT M., 3,4-propilendioksitiyofen tabanlı elektrokromik polimerlerin sentezi ve optoelektronik özelliklerinin incelenmesi, Postgraduate, E.TÜTÜNCÜ(Student), 2019  
İÇLİ ÖZKUT M., Elektron verici elektron alıcı elektron verici yöntem kullanılarak düşük bant aralıklı ve çözünür ( işlenebilir ) yeni elektrokromik polimerin sentezi ve karakterizasyonu, Postgraduate, C.NAZİFE(Student), 2018  
İÇLİ ÖZKUT M., Elektron verici grupların büyüklüğünün ve elektron verici gücünün bant aralığı üzerine etkisi : [1,2,5]tiyadiazol[3,4-G]kinoksalin elektron alıcı tabanlıV-A-V tipi polimerler, Postgraduate, G.GÖKÇE(Student), 2018  
İÇLİ ÖZKUT M., Electrochemical synthesis of poly(6,7-diphenyl-4,9 di(selenophen-2-yl)-[1,2,5]thiadiazolo[3,4-g]quinoxaline-co-3,3 didecyl-3,4-propylenedioxythiophene) and its electrochemical and optical characterizations, Postgraduate, S.KAREEM(Student), 2017  
İÇLİ ÖZKUT M., Furan tabanlı yeni bir monomer ile elektrokimyasal homo ve kopolimerizasyon yöntemi kullanılarak düşük bant aralıklı polimerlerin sentezi, Postgraduate, E.YAVUZ(Student), 2017

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

- I. **D-A-D type conjugated polymers in dual electrochromic devices tuning from green to blue colors**  
İÇLİ ÖZKUT M., ÖNAL A. M., Cihaner A.  
Synthetic Metals, vol.296, 2023 (SCI-Expanded)
- II. **An electrochromic polymer based on cyclopenta[2,1-b;3,4-b ' ]dithiophene: Effect of a single atom alteration on the electrochemical and optical properties of the polymer backbone**  
Tutuncu E., Varlik B., Kesimal B., Cihaner A., İÇLİ ÖZKUT M.  
SYNTHETIC METALS, vol.265, 2020 (SCI-Expanded)
- III. **Synthesis and electropolymerization of a donor-acceptor-donor trimeric monomer containing 3,4-Propylenedioxythiophene and dithienosilole units**  
Tutuncu E., Cihaner A., İÇLİ ÖZKUT M.  
EUROPEAN POLYMER JOURNAL, vol.118, pp.239-243, 2019 (SCI-Expanded)
- IV. **Electrochemical and optical characterization of a multielectrochromic copolymer based on 3,4-ethylenedioxythiophene and functionalized dithienylpyrrole derivative**  
Tutuncu E., İÇLİ ÖZKUT M., Balci B., Berk H., Cihaner A.  
EUROPEAN POLYMER JOURNAL, vol.110, pp.233-239, 2019 (SCI-Expanded)
- V. **Synthesis of an Anthracene-Based Monomer and Its Electrocopolymerization with 3,4-Ethylenedioxythiophene**  
Tutuncu E., İÇLİ Özkut M.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.166, no.2, 2019 (SCI-Expanded)
- VI. **An indolocarbazole based yellow-to-cyan soluble electrochromic polymer**

- Gokce G., İÇLİ ÖZKUT M.  
ORGANIC ELECTRONICS, vol.52, pp.317-322, 2018 (SCI-Expanded)
- VII. **[1,2,5]thiadiazolo[3,4-g]quinoxaline acceptor-based donor-acceptor-donor-type polymers: Effect of strength and size of donors on the band gap**  
Gokce G., Karabay B., Cihaner A., İÇLİ ÖZKUT M.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.55, no.20, pp.3483-3493, 2017 (SCI-Expanded)
- VIII. **A Low Band Gap Polymer Based on Selenophene and Benzobis (thiadiazole)**  
Abdulrazzaq M., İÇLİ ÖZKUT M., Gokce G., Ertan S., Tutuncu E., Cihaner A.  
ELECTROCHIMICA ACTA, vol.249, pp.189-197, 2017 (SCI-Expanded)
- IX. **From Narrow to Narrower: A Very Low Band Gap [1,2,5]thiadiazolo[3,4-g]quinoxaline-Based Donor-Acceptor-Donor Type Electrochromic Polymer**  
Gokce G., Karabay B., Cihaner A., İÇLİ ÖZKUT M.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.164, no.4, 2017 (SCI-Expanded)
- X. **Expanding the Realm of Soluble Narrow Band Gap Polymers with a Benzobisthiadiazole Derivative**  
Us C. N., İÇLİ ÖZKUT M.  
MACROMOLECULES, vol.49, no.8, pp.3009-3015, 2016 (SCI-Expanded)
- XI. **A Camouflage Material: p- and n-Type Dopable Furan Based Low Band Gap Electrochromic Polymer and Its EDOT Based Copolymer**  
Kavak E., Us C. N., Yavuz E., Kivrak A., İÇLİ ÖZKUT M.  
ELECTROCHIMICA ACTA, vol.182, pp.537-543, 2015 (SCI-Expanded)
- XII. **Furan and benzochalcogenodiazole based multichromic polymers via a donor-acceptor approach**  
Icli-Ozkut M., Ipek H., Karabay B., Cihaner A., ÖNAL A. M.  
POLYMER CHEMISTRY, vol.4, no.8, pp.2457-2463, 2013 (SCI-Expanded)
- XIII. **Substituent and heteroatom effects on the electrochromic properties of similar systems**  
Icli-Ozkut M., Mersini J., ÖNAL A. M., Cihaner A.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.4, pp.615-621, 2012 (SCI-Expanded)
- XIV. **Members of CMY Color Space: Cyan and Magenta Colored Polymers Based on Oxadiazole Acceptor Unit**  
İÇLİ ÖZKUT M., Algi M. P., Oztas Z., Algi F., ÖNAL A. M., Cihaner A.  
MACROMOLECULES, vol.45, no.2, pp.729-734, 2012 (SCI-Expanded)
- XV. **Donor-acceptor polymer electrochromes with cyan color: Effect of alkyl chain length on doping processes**  
Celikbilek O., Icli-Ozkut M., Algi F., ÖNAL A. M., Cihaner A.  
ORGANIC ELECTRONICS, vol.13, no.1, pp.206-213, 2012 (SCI-Expanded)
- XVI. **Soluble Alkyl Substituted Poly(3,4-Propylenedioxy-selenophene)s: A New Platform For Optoelectronic Materials**  
Atak S., Icli-Ozkut M., ÖNAL A. M., Cihaner A.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.49, no.20, pp.4398-4405, 2011 (SCI-Expanded)
- XVII. **A neutral state yellow to navy polymer electrochrome with pyrene scaffold**  
Icli-Ozkut M., Oztas Z., Algi F., Cihaner A.  
ORGANIC ELECTRONICS, vol.12, no.9, pp.1505-1511, 2011 (SCI-Expanded)
- XVIII. **A blue to highly transmissive soluble electrochromic polymer based on poly(3,4-propylenedioxy-selenophene) with a high stability and coloration efficiency**  
İÇLİ ÖZKUT M., Atak S., ÖNAL A. M., Cihaner A.  
JOURNAL OF MATERIALS CHEMISTRY, vol.21, no.14, pp.5268-5272, 2011 (SCI-Expanded)
- XIX. **Donor-Acceptor Polymer Electrochromes with Tunable Colors and Performance**  
Icli M., Pamuk M., Algi F., ÖNAL A. M., Cihaner A.  
CHEMISTRY OF MATERIALS, vol.22, no.13, pp.4034-4044, 2010 (SCI-Expanded)
- XX. **A new soluble neutral state black electrochromic copolymer via a donor-acceptor approach**

Icli M., Pamuk M., Algi F., ÖNAL A. M., Cihaner A.

ORGANIC ELECTRONICS, vol.11, no.7, pp.1255-1260, 2010 (SCI-Expanded)

**XXI. Template-free microsphere and hollow sphere formation of polymethylanilines**

Icli M., ÖNAL A. M., Cihaner A.

POLYMER INTERNATIONAL, vol.58, no.6, pp.674-679, 2009 (SCI-Expanded)

**XXII. Anodic polymerization of 2,5-di-(2-thienyl)-furan in ethanol**

Icli M., Cihaner A., Oenal A. A.

ELECTROCHIMICA ACTA, vol.52, no.28, pp.8039-8043, 2007 (SCI-Expanded)

## Supported Projects

Içli Özkut M., TUBITAK Project, Çok Bileşenli Polimerizasyon Yöntemi ile Farklı Aromatik Politiyoürelere Sentezi, Karakterizasyonu ve Uygulamaları, 2023 - 2026

Içli Özkut M., TUBITAK Project, Yeni Elektrokromik Polimerlerin Sentezi ve Optoelektronik Biyo Sensör Uygulamaları, 2015 - 2018

Içli Özkut M., TUBITAK Project, Elektron Verici-Verici-Elektron Alıcı-Elektron Verici Yöntem Kullanılarak Düşük Bant Aralıklı Ve Çözünür (İşlenebilir) Yeni Elektrokromik Polimerlerin Sentezi Ve Karakterizasyonları--, 2015 - 2016

İÇLİ ÖZKUT M., TUBITAK Project, Elektron Sunucu Elektron Alıcı Elektron Sunucu Yönteme Göre Tasarlanmış Elektrokromik Düşük Bant Aralıklı Tiyadiazol Ve Furan Bazlı Polimerlerin Sentezi Ve Karakterizasyonu, 2015 - 2016

## Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Ankara University, Turkey, August 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University, Turkey, June 2023

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Ankara University, Turkey, February 2023

MATERIALS AND DESIGN, National Scientific Refreed Journal, December 2022

TUBITAK Project, 1002 - Quick Support Program, Ankara University, Turkey, October 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University, Turkey, June 2022

## Metrics

Publication: 22

Citation (WoS): 570

Citation (Scopus): 7

H-Index (WoS): 11

H-Index (Scopus): 2

## Awards

Içli Özkut M., 2010-2011 Eğitim Öğretim Yılı Kimya Doktora Programı En iyi Tez Ödülü, Orta Doğu Teknik Üniversitesi Fen Bilimleri Enstitüsü, June 2012

Içli Özkut M., Bölüm birincisi, Ankara University, June 2004