

Assoc. Prof. Ayşe Özdemir

Personal Information

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Education Information

Post Doctorate, Emory University, College Of Arts And Sciences, Department Of Chemistry, United States Of America 2002 - 2003

Doctorate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1993 - 1999

Postgraduate, İstanbul Teknik Üniversitesi, Fen-Bilimleri Enstitüsü, Kimya, Turkey 1991 - 1993

Undergraduate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya, Turkey 1987 - 1991

Foreign Languages

French

English, B2 Upper Intermediate

Research Areas

Basic Sciences, Chemistry, Organic Chemistry, Plant Chemistry, Chemistry of Natural Products, Chemistry of Heterocyclic Compounds, Organic Reaction Mechanisms

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2010 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2001 - 2010

Research Assistant, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1992 - 2001

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2012 - 2015

İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2010 - 2012

Courses

Organic Chemistry III, Undergraduate, 2021 - 2022

General Chemistry, Undergraduate, 2017 - 2018

General Chemistry I, Undergraduate, 2003 - 2004, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018

Medicinal natural products, Doctorate, 2014 - 2015

Jury Memberships

Post Graduate, Yüksek Lisans jüri üyeliği, İÜ Moleküler Biyoloji ve Genetik, June, 2018

Doctorate, İst. Üniv. fen-Bilimleri ens. Moleküler Biyoloji ve Genetik ABD, 2602090123 numaralı Fevziye AKMAN'ın tez savunma sınavı, İst. Üniv. fen-Bilimleri ens. Moleküler Biyoloji ve Genetik ABD öğrencisi Doktora tez sınavı, December, 2017

Doctoral Examination, İTÜ Kimya Doktora yeterlilik jüri üyeliği, İTÜ Fen-Edebiyat Fakl. Kimya Bölümü, Doktora yeterlilik jüri üyeliği,, December, 2017

Doctoral Examination, İTÜ Kimya Doktora yeterlilik jüri üyeliği, İTÜ Fen-Edebiyat Fakültesi, Kimya Bölümü, Doktora yeterlilik jüri üyeliği , May, 2017

Doctoral Examination, İÜ Moleküler Biyoloji ve Genetik, doktora yeterlilik Jüri üyeliği, İÜ Moleküler Biyoloji ve Genetik, doktora yeterlilik Jüri üyeliği, January, 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Investigations on crystal structure of a novel 3-((4,6-dimethylpyrimidin-2-yl)amino)isobenzofuran-1(3H)-one, and related theoretical studies**
Yilmaz Z. T., Odabasoglu H. Y., Senel P., Adımcılar V., ERDOĞAN T., Özdemir A., Gölcü A., ODABAŞOĞLU M., BÜYÜKGÜNGÖR O.
ARABIAN JOURNAL OF CHEMISTRY, vol.13, no.6, pp.5564-5580, 2020 (Journal Indexed in SCI)
- II. **A novel 3-((5-methylpyridin-2-yl)amino)isobenzofuran-1(3H)-one: Molecular structure describe, X-ray diffractions and DFT calculations, antioxidant activity, DNA binding and molecular docking studies**
Yilmaz Z. T., Odabasoglu H. Y., Senel P., Adımcılar V., Erdogan T., Özdemir A., Golcu A., Odabasoglu M.
Journal of Molecular Structure, vol.1205, 2020 (Journal Indexed in SCI Expanded)
- III. **Analysis of anthraquinones in Rumex crispus by micellar electrokinetic chromatography**
Başkan S., DAUT-OZDEMİR A., GÜNAYDIN K., Erim F. B.
TALANTA, vol.71, no.2, pp.747-750, 2007 (Journal Indexed in SCI)
- IV. **An Aza-Wittig/pi-Furan cyclization approach toward the homoerythrina alkaloid (+/-)-selaginoidine**
Cassidy M., Ozdemir A., PADWA A.
ORGANIC LETTERS, vol.7, no.7, pp.1339-1342, 2005 (Journal Indexed in SCI)
- V. **A study of vinyl radical cyclization using N-alkenyl-7-bromo-substituted hexahydroindolinones**
Padwa A., RASHATASAKHON P., Ozdemir A., WILLIS J.
JOURNAL OF ORGANIC CHEMISTRY, vol.70, no.2, pp.519-528, 2005 (Journal Indexed in SCI)
- VI. **Six- versus five-membered ring formation in radical cyclizations of 7-bromo-substituted hexahydroindolinones**
Rashatasakhon P., Ozdemir A., WILLIS J., PADWA A.
ORGANIC LETTERS, vol.6, no.6, pp.917-920, 2004 (Journal Indexed in SCI)
- VII. **Reactions of alpha,beta-enones with diazo compounds part 3 on the nature of the 1,5-ring closure of alpha,beta-enone ylides**
Anac O., Ozdemir A., SEZER Ö.
HELVETICA CHIMICA ACTA, vol.86, no.2, pp.290-298, 2003 (Journal Indexed in SCI)
- VIII. **Crystal structure of cis-5-methoxy-2,2-dimethoxycarbonyl-5-methyl-3-(2',6',6'-trimethyl-1'-cyclohexen-1'-yl)tetrahydrofuran, C19H30O6**
Daut-Ozdemir A., ANAC O., BORRMANN H., SOMER M.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.217, no.4, pp.609-611, 2002 (Journal Indexed in SCI)
- IX. **Crystal structure of 3R(S)-1'S(R)-2,2-dimethoxycarbonyl-3-(2',6',6'-trimethyl-2'-cyclohexen-1'-yl)-2,3-dihydrofuran, C18H26O5**
Daut-Ozdemir A., ANAC O., BORRMANN H., SOMER M.

ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.217, no.4, pp.607-609, 2002 (Journal Indexed in SCI)

- X. **Studies in Aldolization reactions of Some terpenes**
Özdemir A., Sezer Ö., Anaç O.
Revue Roumaine De Chimie, vol.42, no.11, pp.1045-1048, 1997 (Journal Indexed in SCI Expanded)
- XI. **Reactions of α Enones with Diazo Compounds 2 Synthesis of Dihydrofuran Derivatives**
Anaç O., ÖZDEMİR A.
Liebigs Ann'! Recueil, vol.0, pp.1249-1254, 1997 (Journal Indexed in SCI)
- XII. **Synthesis and copolymerization of vinyl cobalt(III)porphyrins**
Anaç O., Sezer Ö., Özdemir A.
Die Angewandte Makromolekulare Chemie, vol.226, no.1, pp.213-217, 1995 (Journal Indexed in SCI)
- XIII. **Reactions of Enone Ethylene Ketals with Methyl Diazomalonate/Bis(acetylacetonato)copper(II)**
Sezer O., DAUT A., ANAC O.
Helvetica Chimica Acta, vol.78, no.8, pp.2036-2041, 1995 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

I. ATTEMPTS TO SYNTHESIZE SOME ENONES

ÖZDEMİR A.

Trakya Üniversitesi Bilimsel Araştırmalar Dergisi B Serisi, vol.3, no.1, pp.11-15, 2002 (Other Refereed National Journals)

Supported Projects

Özdemir A., Kaya S., Project Supported by Higher Education Institutions, Floresans özellikli Boranil bileşikleri sentez, karakterizasyon ve biyotiol sensörü olarak uygulamaları, 2017 - 2020

Özdemir A., Kaya S., Project Supported by Higher Education Institutions, Biyotiyol sensör uygulamaları hedefli çalışmalar olarak: Boranil bileşikleri sentezi, 2018 - 2019

Özdemir A., Project Supported by Higher Education Institutions, Halkalı Yapılı Diazodilkarboril Enon Türevlerinin Reaksiyonları, 2001 - 2002

Scientific Refereeing

Project Supported by Higher Education Institutions, February 2019

Celal Bayar University Journal of Science, National Scientific Refreed Journal, December 2018

Türk Kimya Dergisi, National Scientific Refreed Journal, October 2018

Celal Bayar University Journal of science, National Scientific Refreed Journal, May 2018

Project Supported by Higher Education Institutions, April 2018

Project Supported by Higher Education Institutions, January 2018

Türk Kimya Dergisi, National Scientific Refreed Journal, July 2017

Project Supported by Higher Education Institutions, June 2017

Project Supported by Higher Education Institutions, April 2017

Türk Kimya Dergisi, National Scientific Refreed Journal, October 2016

Project Supported by Higher Education Institutions, February 2013

Project Supported by Higher Education Institutions, February 2012

African Journal of Pharmacy and Pharmacology, Other Indexed Journal, January 2012

Edit Congress and Symposium Activities

30. ULUSAL KİMYA KONGRESİ, Attendee, Gazimagusa, Cyprus (Kkct), 2018
5th International Drug Design Congress, Attendee, İstanbul, Turkey, 2017
8. Ulusal Analitik Kimya Kongresi, Attendee, Isparta, Turkey, 2016
IUPAC 2013, 44th World Chemistry Congress, Attendee, İstanbul, Turkey, 2013
7th Eurasian Meeting on Heterocyclic Chemistry, Attendee, Turkey, 2012
XXII. Ulusal Kimya Kongresi, Attendee, Gazimagusa, Cyprus (Kkct), 2008
19. Ulusal Kimya Kongresi, Attendee, Aydın, Turkey, 2005
10th Blue Danube Symposium on Heterocyclic Chemistry, Attendee, Wien, Austria, 2003
XV. Ulusal Kimya Kongresi, Attendee, İstanbul, Turkey, 2001
17th Heterocyclic Chemistry, Attendee, Wien, Austria, 1999
36th IUPAC Congress, Attendee, Genève, Switzerland, 1997
Kimya-93: IX. Kimya ve Kimya Müh. Sempozyumu, Attendee, Trabzon, Turkey, 1993

Citations

Total Citations (WOS):129

h-index (WOS):5