

Assoc. Prof. Ayşe Özdemir

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: M-4220-2015

ScopusID: 15724389500

Yoksis Researcher ID: 108221

Education Information

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

Doctorate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1993 - 1999

Postgraduate, Istanbul Technical University, Fen-Bilimleri Enstitüsü, Kimya, Turkey 1991 - 1993

Undergraduate, Istanbul Technical University, 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, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2010 - Continues

Assistant Professor, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2001 - 2010

Research Assistant, Istanbul Technical University, 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, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2003 - 2004

Cosmetic Chemistry, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

Medicinal natural products, Doctorate, 2014 - 2015

Advising Theses

Özdemir A., Biyotiyol sensör uygulamaları hedefli çalışmalar olarak: Boranil bileşikleri sentezi, Postgraduate, S.KAYA(Student), 2019

Özdemir A., Aza-bodipy compounds with fluorescent property for determination of bio-thiols, Postgraduate, B.CAN(Student), 2019

Özdemir A., • Floresans özellik gösteren bazı Boranil bileşiklerinin sentezi, Postgraduate, S.Yuvayapan(Student), 2013

Jury Memberships

Post Graduate, Yüksek Lisans juri üyesi, 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 juri üyesi, İTÜ Fen-Edebiyat Fakl. Kimya Bölümü, Doktora yeterlilik juri üyesi,, December, 2017

Doctoral Examination, İTÜ Kimya Doktora yeterlilik juri üyesi, İTÜ Fen-Edebiyat Fakültesi, Kimya Bölümü, Doktora yeterlilik juri üyesi , May, 2017

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

Published journal articles indexed by SCI, SSCI, and AHCI

I. Application of aza-BODIPY as a Nitroaromatic Sensor

Sadikogullari B. C., Koramaz I., Sütay B., Karagöz B., Özdemir A.

ACS Omega, vol.8, no.28, pp.25254-25261, 2023 (SCI-Expanded)

II. Identification of a 3-(5-methyl-2-thiazolylamino)phthalide as a new minor groove agent

Yilmaz Z. T., Odabasoglu H. Y., Senel P., Yuzbasioglu E. C., ERDOĞAN T., Ozdemir A., Gölcü A., ODABAŞOĞLU M., BÜYÜKGÜNGÖR O.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.9, pp.4048-4064, 2023 (SCI-Expanded)

III. Phytochemical Analysis and Insecticidal Activities of Seed Extracts from Oenanthe pimpinelloides L. Treated Paper Samples vs. Tribolium castaneum

BİLDİK DAL A. E., Ozdemir A., Gucus M. O., Herouini A., Kemassi A.

BioResources, vol.18, no.2, pp.3509-3521, 2023 (SCI-Expanded)

IV. An Overview of Natural and Synthetic Phthalides Involved in Cancer Studies: Past, Present, and Future

Sadikoğulları B. C., Şenel P., Çini N., Faysal A. A., Odabaşoğlu M., Özdemir A., Gölcü A.

CHEMISTRYSELECT, vol.7, no.37, 2022 (SCI-Expanded)

V. 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., Adimciar V., ERDOĞAN T., Özdemir A., Gölcü A., ODABAŞOĞLU M., BÜYÜKGÜNGÖR O.
ARABIAN JOURNAL OF CHEMISTRY, vol.13, no.6, pp.5564-5580, 2020 (SCI-Expanded)
- VI. **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., Adimciar V., Erdogan T., Özdemir A., Golcu A., Odabasoglu M.
Journal of Molecular Structure, vol.1205, 2020 (SCI-Expanded)
- VII. **Crystal structure and DNA binding properties of khellin oxime**
BEYAZİT N., Kaya K., Senel P., Gürgün Özdemir A. A., Gölcü A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1197, pp.450-457, 2019 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 FÜR KRISTALLOGRAFIE-NEW CRYSTAL STRUCTURES, vol.217, no.4, pp.607-609, 2002 (SCI-Expanded)
- XIV. **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 KRISTALLOGRAFIE-NEW CRYSTAL STRUCTURES, vol.217, no.4, pp.609-611, 2002 (SCI-Expanded)
- XV. **Studies in Aldolization reactions of Some terpenes**
Özdemir A., Sezer Ö., Anac O.
Revue Roumaine De Chimie, vol.42, no.11, pp.1045-1048, 1997 (SCI-Expanded)
- XVI. **Reactions of alpha,beta-enones with diazo compounds .2. Synthesis of dihydrofuran derivatives**
Anac O., Daut A.
LIEBIGS ANNALEN-RECUEIL, no.6, pp.1249-1254, 1997 (SCI-Expanded)
- XVII. **Synthesis and copolymerization of vinyl cobalt(III)porphyrins**
Anac O., Sezer Ö., Özdemir A.
Die Angewandte Makromolekulare Chemie, vol.226, no.1, pp.213-217, 1995 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)

Articles Published in Other Journals

I. Pharmacological Properties of Genista sagittalis L. (Fabaceae) Grown in Turkey

Şenel P., Sadıkoğulları B. C., Yüzbaşıoğlu E. Ç., Elmas G. M., ORAL D., Gölcü A., Özdemir A. D.

Indonesian Journal of Chemistry, vol.23, no.3, pp.681-691, 2023 (ESCI)

II. ATTEMPTS TO SYNTHESIZE SOME ENONES

ÖZDEMİR A.

Trakya Üniversitesi Bilimsel Araştırmalar Dergisi B Serisi, vol.3, no.1, pp.11-15, 2002 (Peer-Reviewed Journal)

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 Diazodikarboryl Enon Türeverinin 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

Metrics

Publication: 28

Citation (WoS): 192

Citation (Scopus): 204

H-Index (WoS): 7

H-Index (Scopus): 7

Congress and Symposium Activities

30. ULUSAL KİMYA KONGRESİ, Attendee, Gazimagusa, Cyprus (Kktc), 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 (Kktc), 2008
19. Ulusal Kimya Kongresi, Attendee, Aydin, 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

Non Academic Experience

Emory Universitesi, Atlanta, GA, ABD