

Prof. ALİME EBRU AYDIN

Personal Information

Email: aydin@mku.edu.tr

Web: <https://avesis.mku.edu.tr/aydin>

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Turkey 1999 - 2006

Postgraduate, Turkey 1995 - 1997

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Turkey 1989 - 1993

Foreign Languages

English

Dissertations

Doctorate, Synthesis of Novel Chiral Pyrrole Derivatives as Catalyst and Their Applications in Asymmetric Synthesis, Hacettepe University, Fen Bilimleri Enstitüsü, 2006

Postgraduate, Sabunlarda ve Yağ karışımlarında Defne Yağı Oranının Saptanması, 1997

Academic Titles / Tasks

Professor, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Kimya, 2022 - Continues

Associate Professor, 2015 - 2022

Assistant Professor, 2007 - 2015

Research Assistant, 2006 - 2007

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 1999 - 2006

Research Assistant, 1995 - 1999

Academic and Administrative Experience

2015 - Continues

2015 - Continues

2015 - Continues

2016 - 2019

2009 - 2012

Courses

NMR SPEKTROSKOPİSİ I, Undergraduate Double Major, 2020-2021, 2017-2018, 2016-2017

ORGANİK KİMYA, Undergraduate, 2020-2021
ORGANİK KİMYA I, Undergraduate, 2020-2021
ORGANİK YAPI ANALİZİ, Undergraduate Double Major, 2020-2021, 2017-2018, 2016-2017
İLERİ ORGANİK KİMYA I, Undergraduate Double Major, 2020-2021, 2019-2020, 2017-2018, 2016-2017
HETEROSİKLİK BİLEŞİKLER, Undergraduate Double Major, 2020-2021
KİMYA I, Undergraduate, 2020-2021, 2019-2020, 2017-2018, 2016-2017
KİMYA II, Undergraduate, 2019-2020, 2018-2019, 2017-2018, 2016-2017
ORGANİK KİMYA II, Undergraduate, 2019-2020, 2018-2019, 2017-2018, 2014-2015, 2013-2014
ORGANİK KİMYA I, Undergraduate, 2019-2020, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014
ORGANİK KİMYA, Undergraduate, 2019-2020, 2013-2014
ORGANİK KİMYADA KROMATOĞRAFİK YÖNTEMLER, Undergraduate, 2019-2020, 2017-2018, 2016-2017, 2015-2016, 2014-2015
İLERİ STEREOKİMYA, Undergraduate Double Major, 2019-2020, 2016-2017, 2014-2015
İLERİ ORGANİK KİMYA II, Undergraduate Double Major, 2018-2019, 2017-2018, 2016-2017
NMR SPEKTROSKOPİSİ II, Undergraduate Double Major, 2018-2019, 2016-2017
GENEL KİMYA IV, Undergraduate, 2018-2019, 2017-2018, 2016-2017
ORGANİK KİMYA LAB. I, Undergraduate, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014
ORGANİK KİMYA LAB. II, Undergraduate, 2017-2018, 2014-2015, 2013-2014
STEREOSEÇİMLİ SENTEZ I, Undergraduate Double Major, 2017-2018, 2016-2017, 2015-2016, 2013-2014
STEREOSEÇİMLİ SENTEZ II, Undergraduate Double Major, 2016-2017, 2014-2015, 2013-2014
GENEL KİMYA, Undergraduate, 2015-2016, 2014-2015
Organik Kimyada Laboruar Teknikleri, Undergraduate, 2014-2015

Advising Theses

AYDIN A. E., Katalizör olarak kiral skuaranit sentezi ve enantioseçimli reaksiyonlardaki uygulamaları, Postgraduate, S.CULHA(Student), 2019
AYDIN A. E., Kiral barbitürik asit türevlerinin sentezi, Postgraduate, M.ÇETİNALP(Student), 2015
AYDIN A. E., Mikrodalga destekli N-süstitüe pirol türevlerinin sentezi, Postgraduate, İ.BEZGİN(Student), 2013
AYDIN A. E., Katalizör olarak oksazolin yapısı içeren kiral ligandların sentezi ve asimetric sentezlerde uygulamaları, Postgraduate, S.YÜKSEKDANACI(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enantioselective Aldol Reaction between Isatins and Ketones, Catalyzed by Chiral Norephedrine-Derived β -Amino Alcohols with a Thiophene Moiety**
AYDIN A. E.
Russian Journal of Organic Chemistry, vol.58, no.6, pp.820-829, 2022 (SCI-Expanded)
- II. **Enantioselective conjugate addition of pyrazolones to nitroalkenes catalyzed by chiral squaramide organocatalyst**
AYDIN A. E., Culha S.
Chirality, vol.33, no.3, pp.106-114, 2021 (SCI-Expanded)
- III. **Enantioselective Addition of Diethylzinc to Aromatic Aldehydes Using Chiral Oxazoline-Based Ligands**
Aydin A. E.
Russian Journal of Organic Chemistry, vol.56, no.7, pp.1304-1312, 2020 (SCI-Expanded)
- IV. **Enantioselective Addition of Diethylzinc to Aromatic Aldehydes Using Novel Thiophene-Based Chiral Ligands**
AYDIN A. E.

Russian Journal of Organic Chemistry, vol.56, no.5, pp.901-909, 2020 (SCI-Expanded)

- V. **Chiral thiourea derivatives as organocatalysts in the enantioselective Morita- Baylis-Hillman reactions**
AYDIN A. E.
Arkivoc, vol.2020, no.6, 2020 (SCI-Expanded)
- VI. **Anticorrosive properties with catalytic behaviour of primer PANI film and top PPy coating synthesised in presence of novel norephedrine based amino alcohol compound**
ÖZYILMAZ A. T., AYDIN A. E., Akdag A.
Transactions of the Institute of Metal Finishing, vol.92, no.1, pp.34-40, 2014 (SCI-Expanded)
- VII. **Synthesis of novel thiophene-based chiral ligands and their application in asymmetric Henry reaction**
AYDIN A. E.
Applied Organometallic Chemistry, vol.27, no.5, pp.283-289, 2013 (SCI-Expanded)
- VIII. **Synthesis of novel β -amino alcohols and their application in the catalytic asymmetric sulfoxidation of sulfides**
AYDIN A. E.
Tetrahedron Asymmetry, vol.24, no.8, pp.444-448, 2013 (SCI-Expanded)
- IX. **A new and efficient chemoenzymatic route to both enantiomers of α' -acetoxy and α' -hydroxy- α -methoxy cyclic enones**
DEMİR A. G., Caliskan Z., AYDIN A. E., Bicer I.
Tetrahedron Asymmetry, vol.17, no.5, pp.786-791, 2006 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Katkı Ve Elektrolit Derişimlerinin Polipirol Kaplamanın Korozyon Ve Elektriksel Dirençleri Üzerindeki Etkisinin İstatistiksel Deney Tasarımı Teknikleriyle İncelenmesi**
Ozyilmaz A. T., Filazi İ., AYDIN A. E., Surmelioglu C., Ozyilmaz G.
XVth International Corrosion Symposium, Hatay, Turkey, 26 - 28 September 2018
- II. **Mikrodalga Destekli N-Süstitüe Pirol Türevlerinin Sentezi**
AYDIN A. E., Bezigin İ.
Zeugma I. Uluslararası Multi Disipliner Çalışmalar Kongresi, Gaziantep, Turkey, 13 - 16 September 2018, vol.2
- III. **Kiral Amino Alkol Ligandlarının Asimetrik Morita Baylis Hillman Reaksiyonundaki Uygulamaları**
AYDIN A. E.
Zeugma I. Uluslararası Multi Disipliner Çalışmalar Kongresi, Gaziantep, Turkey, 13 - 16 September 2018, vol.2
- IV. **Kiral β -Hidroksi Amid Türevi Kiral Ligandların Asimetrik Morita Baylis Hillman Reaksiyonundaki Uygulamaları**
AYDIN A. E.
Zeugma I. Uluslararası Multi Disipliner Çalışmalar Kongresi, Gaziantep, Turkey, 13 - 16 September 2018, vol.2
- V. **Norephedrine-Based Chiral B-Amino Alcohols And Their Application In Enantioselective Reactions**
Culha S., AYDIN A. E.
UMTEB III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, vol.2
- VI. **Anticorrosive Behaviour Of The PPy Coating Synthesized InPresence Of (E)-Chalcone Compound**
ÖZYILMAZ A. T., Filazi İ., AYDIN A. E., Surmelioglu C., Ozyilmaz G.
UMTEB III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, vol.4
- VII. **Kiral Barbitürik Asit Türevlerinin Sentezi**
AYDIN A. E., Çetinalp M.
UMTEB III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, vol.4
- VIII. **Norephedrine-Based Chiral B-Amino Alcohols As Chiral Ligand InEnantioselective Diethylzinc And Phenylacetylene Addition ToAldehydes**
AYDIN A. E.

UMTEB III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 22 June 2018, vol.4

- IX. The Investigation of Geometric and Electronic Parameters of A Thiophen Based Chiral Amino Alcohol by Using DFT**
ÇATIKKAŞ B., AYDIN A. E.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017
- X. Composition Of The Essential Oil of Salvia Aramiensis Growing In Hatay**
ÇATIKKAŞ E., AYDIN A. E.
4th International Conference on Engineering and Natural Sciences (ICENS 2018, Budapest, Hungary, 2 - 06 May 2017, pp.119
- XI. Essential Oil Composition Of The Turpentine Tree (PistaciaTerebinthus L.) Fruits Growing In Mut, Turkey**
ÇATIKKAŞ E., AYDIN A. E.
4th International Conference on Engineering and Natural Sciences (ICENS 2018, Budapest, Hungary, 2 - 06 May 2017, pp.202
- XII. ESSENTIAL OIL COMPOSITION OF LEAF, FLOWER AND STEM OF STYRAX (STYRAX OFFICINALIS L.) GROWING IN ANTAKYA**
ÇATIKKAŞ E., AYDIN A. E.
International Congress on Medicinal and Aromatic Plants "NATURAL AND HEALTHY LIFE", Konya, Turkey, 10 - 12 May 2017, pp.1391
- XIII. CHEMICAL COMPOSITION OF THE ESSENTIAL OILS OF LAUREL LEAVES GROWN IN HATAY REGION**
AYDIN A. E.
1st INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, 10 - 12 May 2017
- XIV. ASYMMETRIC REDUCTION OF KETONES BY BIOCATALYSISUSING MEDICINAL AND AROMATIC PLANTS**
AYDIN A. E.
1st INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PLANTS, 10 - 12 May 2017
- XV. Investigation of Structural and Electronic Parameters of Clove Syzygium Aromaticum**
ÇATIKKAŞ B., ÇATIKKAŞ E., AYDIN A. E.
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- XVI. Geometric and Electronic Study of 5-Substituted thiophene-2-carbaldehyde by Using DFT**
ÇATIKKAŞ B., AYDIN A. E.
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017
- XVII. Conformational and Electronic Studies of p-Cymene and Camphor Using DFT Method**
ÇATIKKAŞ E., ÇATIKKAŞ B., AYDIN A. E.
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.678
- XVIII. Quantum Chemical Investigations: Conformational and Electronic Studies of α-Pinene and Limonene Using DFT Method**
ÇATIKKAŞ E., AYDIN A. E., ÇATIKKAŞ B.
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.682
- XIX. Chemical Composition Of The Essential Oil Of Leaves Myrtle (Myrtus communis L.) From Mersin**
AYDIN A. E.
The Third International Mediterranean Symposium on Medicinal and Aromatic Plants, 13 - 16 April 2017, pp.321
- XX. Asymmetric Reduction Of Ketones By Biocatalysis Using Plants Grown In Hatay**
AYDIN A. E.
The Third International Mediterranean Symposium on Medicinal and Aromatic Plants, 13 - 15 April 2017
- XXI. Kiral Hidroksi Amidlerin Asimetrik Henry Reaksiyonunda Katalizör Olarak Kullanılması**
AYDIN A. E.
5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017
- XXII. Tiyoüre yapısı İçeren Ligandların Enantioseçimli Reaksiyonlarda Katalizör Olarak Kullanılması**
AYDIN A. E.

5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017

XXIII. **Ozyılmaz G Aydın A E Bucak S Agcam S Ozyılmaz A T The use of cyclic enones as organic molecules to construct of amperometric glucose biosensors**

OZYILMAZ G., AYDIN A., BUCAK S., AGCAM S., COLAK N., OZYILMAZ A. T.
NCC6-The Catalysis Conference, 27 - 30 April 2016

XXIV. **Defneyağı üretiminde verimin arttırılması**

aydın ö., AYDIN A. E., TİMUR M.

XIII. Ulusal Kimya Kongresi, Turkey, 31 August - 04 September 1999, pp.336

Supported Projects

AYDIN A. E., Project Supported by Other Official Institutions, Pirazolon Türevi Bileşiklerin Sentezi, 2017 - 2019

AYDIN A. E., Project Supported by Higher Education Institutions, Amit Yapısı İçeren Kiral Ligandların Sentezi ve Enantiyo seçimli Reaksiyonlarda Kiral Katalizör Olarak Kullanılması, 2015 - 2016

AYDIN A. E., Project Supported by Higher Education Institutions, Kiral Barbitürik Asit Türevlerinin Sentezi, 2012 - 2015

AYDIN A. E., Project Supported by Higher Education Institutions, Mikrodalga Destekli N Substitue Pirol Türevlerinin Sentezlenmesi, 2011 - 2015

AYDIN A. E., Project Supported by Higher Education Institutions, Asimetrik Sentezlerde Kullanılan Yeni Kiral Katalizörlerin Geliştirilmesi ve Uygulanması, 2010 - 2012

AYDIN A. E., Project Supported by Higher Education Institutions, Substitue Pirol Tiyofer ve Furan Yapısı İçeren Kiral Katalizörlerin Sentezi ve Asimetrik Sentezlerde Uygulanması, 2008 - 2011

AYDIN A. E., Project Supported by Higher Education Institutions, Katalizör Olarak Oksazolin Yapı İçeren Kiral Ligandların Sentezi ve Asimetrik Sentezlerde Uygulanması, 2009 - 2010

AYDIN A. E., Project Supported by Higher Education Institutions, Yeni Pirol Bazlı Katalizörlerin Geliştirilmesi Asimetrik Sentezlerde Uygulanması ve Yapılarının Kuramsal Olarak İncelenmesi, 2000 - 2003

AYDIN A. E., Sabunlarda ve Yağ Karışımlarında Defne Yağı Oranın Saptanması, 1996 - 1998

AYDIN A. E., Hatay Bölgesi Defne Yağı Esansının Veriminin ve Bileşiminin Saptanması, 1995 - 1997

Scientific Refereeing

CATALYSIS TODAY, Other journals, July 2024

Other journals, July 2024

ACS COMBINATORIAL SCIENCE, Other journals, January 2016

Metrics

Publication: 33

Citation (Scopus): 58

H-Index (Scopus): 4