

Asst. Prof. Erdem Ergan

Personal Information

Office Phone: [+90 444 5 065](tel:+904445065) Extension: 28106

Email: erdemergan@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/erdemergan>

Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Organik Kimya, Turkey 2012 - 2016

Postgraduate, Gaziantep University, Institute Of Science, Organik Kimya, Turkey 2008 - 2011

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 2004 - 2008

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, Çalışma ve Sosyal Güvenlik Bakanlığı-İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2019

Occupational Health and Safety, C Sınıfı İş Güvenliği Uzmanlığı Belgesi, ÇALIŞMA VE SOSYAL GÜVENLİK BAKANLIĞI - İŞ SAĞLIĞI VE GÜVENLİĞİ GENEL MÜDÜRLÜĞÜ, 2014

Dissertations

Doctorate, STEREOMERKEZE SAHİP ÇEŞİTLİ PİRİMİDİN BİLEŞİKLERİNİN MULTİKOMPONENT REAKSİYON YÖNTEMİ İLE SENTEZİ VE İLERİ KADEME REAKSİYONLARININ ARAŞTIRILMASI, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Organik Kimya, 2016

Postgraduate, N-(4-ASETİLFENİL)-3-NİTROBENZAMİT BİLEŞİĞİNDEN TÜREYEN YENİ ŞALKON TÜREVLERİNİN SENTEZİ, YAPI KARAKTERİZASYONU VE ANTİBAKTERİYAL AKTİVİTESİNİN İNCELENMESİ, Gaziantep University, Fen Bilimleri Enstitüsü, Organik Kimya, 2011

Research Areas

Chemistry, Organic Chemistry, Chemistry of Heterocyclic Compounds, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Van Güvenlik Meslek Yüksekokulu, Mülkiyet Koruma Ve Güvenlik, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Van Güvenlik Meslek Yüksekokulu, Mülkiyet Koruma Ve Güvenlik, 2017 - 2018

Lecturer, Van Yüzüncü Yil University, Van Güvenlik Meslek Yüksekokulu, Mülkiyet Koruma Ve Güvenlik, 2013 - 2016

Academic and Administrative Experience

Head of Department, Van Yüzüncü Yil University, Van Güvenlik Meslek Yüksekokulu, Mülkiyet Koruma Ve Güvenlik, 2020 - Continues

Director of Vocational School, Van Yüzüncü Yil University, Van Güvenlik Meslek Yüksekokulu, 2020 - Continues

Van Yüzüncü Yil University, Van Güvenlik Myo, 2016 - Continues

Advising Theses

Ergan E., Yeni tiyoksopirimidin bileşiginden elde edilen tiyazol ve tiyazin türevi bileşiklerin sentezi, süstitüe aldehitlerle reaksiyonlarının araştırılması ve teorik olarak elektronik özelliklerinin incelenmesi, Postgraduate, D.TOZLU(Student), 2021

Jury Memberships

Post Graduate, Post Graduate, Van Yüzüncü Yil Üniversitesi, December, 2020

Academic Staff Examination, Academic Staff Examination, Van Yüzüncü Yil Üniversitesi, November, 2020

Post Graduate, Post Graduate, Van Yüzüncü Yil Üniversitesi, May, 2020

Post Graduate, Post Graduate, Van Yüzüncü Yil Üniversitesi, November, 2019

Post Graduate, Post Graduate, Van Yüzüncü Yil Üniversitesi, December, 2018

Post Graduate, Post Graduate, Bitlis Eren Üniversitesi, August, 2018

Post Graduate, Post Graduate, Van Yüzüncü Yil Üniversitesi, June, 2018

Doctoral Examination, Doctoral Examination, Van Yüzüncü Yil Üniversitesi, January, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of new thiazine and thiazole derivatives via cyclization reactions; investigating their electronic properties and determination of antioxidant properties**
Ergan E., Tozlu D.
JOURNAL OF HETEROCYCLIC CHEMISTRY, 2022 (Journal Indexed in SCI)
- II. **Theoretical calculation of newly synthesized tetrazolopyrimidine derivatives as a potential corrosion inhibitor**
Ergan E., Şeker N., Akbaş B. Ç. , Akbaş E.
Journal Of The Serbian Chemical Society, vol.1, no.13, pp.1-13, 2021 (Journal Indexed in SCI Expanded)
- III. **Methylene blue adsorption from aqueous solution by functionalized perlites: an experimental and computational chemistry study**
Gökırmak Söğüt E., Ergan E., Çalışkan Kılıç N., Dönmez H., Akbaş E.
Desalination And Water Treatment, vol.217, pp.391-410, 2021 (Journal Indexed in SCI Expanded)
- IV. **Synthesis, characterization, antioxidant properties and DFT calculation of some new pyrimidine derivatives**
Akbas E., Ergan E., ŞAHİN E., Ekin S., Çakır M., Karakuş Y.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.194, no.8, pp.796-802, 2019 (Journal Indexed in SCI)
- V. **Synthesis, characterization, quantum chemical studies and electrochemical performance of new 4,7-dihydro-tetrazolo[1,5-a]pyrimidine derivatives**
Akbaş E., Celik S., Ergan E., LEVENT A.

JOURNAL OF CHEMICAL SCIENCES, vol.131, no.4, 2019 (Journal Indexed in SCI)

- VI. **A Green Protocol for Simple One-pot Synthesis of New Pyrimidine Derivatives Both Microwave Irradiation and Conventional Heating: Reactions, Characterization, and Theoretical Calculations**
Akbaş E., Rüzgar A., ŞAHİN E., Ergan E.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, no.3, pp.1003-1011, 2019 (Journal Indexed in SCI)
- VII. **Synthesis, DFT calculations, spectroscopy and in vitro antioxidant activity studies on 4-hydroxyphenyl substituted thiopyrimidine derivatives**
Akbaş E., Ekin S., Ergan E., Karakuş Y.
Journal of Molecular Structure, vol.1174, pp.177-183, 2018 (Journal Indexed in SCI Expanded)
- VIII. **STUDIES ON THEORETICAL CALCULATIONS OF CORROSION INHIBITION BEHAVIOR OF PYRIDAZINE AND PYRAZOLE DERIVATIVES**
Ergan E., Akbaş E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.9549-9556, 2018 (Journal Indexed in SCI Expanded)
- IX. **Synthesis, theoretical calculation, electrochemistry and total antioxidant capacity of 5-benzoyl-6-phenyl-4-(4-methoxyphenyl)-1,2,3,4-tetrahydro-2-thioxopyrimidine and derivatives**
Ergan E., Akbaş E., Levent A., şahin E., Konuş M., Seferoglu N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1136, pp.231-243, 2017 (Journal Indexed in SCI)
- X. **Synthesis, DFT Study and the Eschenmoser Sulfide Contraction of 1,2,3,4-tetrahydropyrimidine Derivatives**
Akbaş E., ERDOĞAN A., Ergan E., Gülcan M., Rüzgar A.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.39, no.2, pp.269-277, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Theoretical Studies via DFT Calculation of Pyrimidine Derivatives as Potential Corrosion Inhibitor**
Ergan E.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.2142-2151, 2021 (National Refreed University Journal)
- II. **Determination of electronic characteristics of tetrahydro pyrimidine derivatives and investigation of usability as anti-corrosion**
Okay M., Ergan E., Akbaş B. Ç., Akbaş E.
International Journal of Chemistry and Technology, vol.5, no.1, pp.59-66, 2021 (Refereed Journals of Other Institutions)
- III. **Synthesis of the 3,5-diphenyl-1H-pyrazole and cytogenetic and oxidative alterations after exposure of cultured human whole blood cells**
Akbaş E., Celikezen F. C., Turkez H., Ozdemir O., Rüzgar A., Ergan E., ŞAHİN E.
COGENT CHEMISTRY, vol.3, no.1, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **STUDIES ON ELECTRONIC PROPERTIES OF OXADIAZOLE DERIVATIVES**
Ergan E.
3. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Diyarbakır, Turkey, 28 - 29 December 2019, pp.751-754
- II. **TİYAZOLO[3,2-a]PİRİMİDİN TÜREVLERİNİN KOROZYON ÖNLEME ÖZELLİKLERİNİN TEORİK OLARAK İNCELENMESİ**
Ergan E., Akbaş E.
3. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Diyarbakır, Turkey, 28 - 29 December 2019, vol.3, pp.746-750
- III. **Experimental and Theoretical Investigation of Spectroscopic Properties of (4-(2,4-dimethoxyphenyl)**

-6-phenyl-2-thioxo-1,2,3,4-tetrahydropyrimidin-5-yl)(phenyl)methanone

Ergan E., Tozlu D., Akbaş E.

INTERNATIONAL CHEMISTRY & BIOLOGY CONFERENCE'19, Kafr-Ash-Shaykh, Egypt, 1 - 05 August 2019, pp.39

- IV. **Computational Chemical Study of Experimental and Theoretical Investigation of Spectroscopic Properties of 5-benzoyl-6-phenyl-4-(4-methoxyphenyl)-1,2,3,4-tetrahydro-2-thioxopyrimidine**
Ergan E., Akbaş E.
INTERNATIONAL CHEMISTRY & BIOLOGY CONFERENCE'19, Kafr-Ash-Shaykh, Egypt, 1 - 05 August 2019, pp.44
- V. **Studies on Theoretical Calculations of Corrosion Inhibition Behavior of Pyrazole Derivatives**
Akbaş E., Ergan E.
INTERNATIONAL ENGINEERING AND SCIENCE SYMPOSIUM'19, Siirt, Turkey, 20 - 22 June 2019, pp.974-981
- VI. **Investigation of Electronic Properties of Pyrimidine Compounds Obtained by Multicomponent Reaction Method**
Ergan E., Akbaş E.
INTERNATIONAL ENGINEERING AND SCIENCE SYMPOSIUM'19, Siirt, Turkey, 20 - 22 June 2019, pp.880-887
- VII. **Comprehensive Chemical Calculation of Pyridine Derivatives**
Akbaş E., Ergan E., Okay M., Şeker N.
Uluslararası Bilim ve Mühendislik Sempozyumu, Siirt, Turkey, 20 - 22 June 2019, pp.982-986
- VIII. **Studies on the Electronic Properties of Oxazole Derivatives**
Akbaş E., Ergan E., Okay M.
International Engineering and Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.917-921
- IX. **OCCUPATIONAL HEALTH AND SAFETY IN CHEMISTRY LABORATORY**
Akbaş E., Ergan E.
International Conference on Research in Education and Science (ICRES), İzmir, Turkey, 28 April - 01 May 2019, pp.21
- X. **Investigation of Electronic Properties of Substituted Pyrimidine Derivatives with Density Functional Theory**
Ergan E., Akbaş E.
International Conference on Research in Education and Science (ICRES), İzmir, Turkey, 28 April - 01 May 2019, vol.1, pp.68-73
- XI. **Quantum Chemical Calculations for Corrosion Inhibition of Pyrimidine Derivatives**
Akbaş E., Ergan E., Dönmez H.
International Conference on Research in Education and Science (ICRES), İzmir, Turkey, 28 April - 01 May 2019, vol.3, pp.142-147
- XII. **SYNTHESIS OF PYRIMIDINE DERIVATIVES**
Ergan E., Tozlu D., Akbaş E.
International Conference on Research in Education and Science (ICRES), İzmir, Turkey, 28 April - 01 May 2019, pp.1
- XIII. **Computational Chemical Study of Pyrimidine Derivatives as Anticorrosion Agents**
Tozlu D., Ergan E., Akbaş E.
CHEM.BIO.CON'18 INTERNATIONAL CHEMISTRY & BIOLOGY CONFERENCE'18, Sharm El Sheikh, Egypt, 11 - 14 July 2018, pp.13
- XIV. **Computational Chemical Study of the Mechanism of the Pyrimidine Derivatives**
Tozlu D., Ergan E., Akbaş E.
CHEM.BIO.CON'18 INTERNATIONAL CHEMISTRY & BIOLOGY CONFERENCE'18, Sharm El Sheikh, Egypt, 11 - 14 July 2018, pp.14
- XV. **Corrosion Inhibition of Pyrimidine Derivatives From Computational Chemical Analysis**
Akbaş E., Ergan E.
International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 28 April - 01 May 2018, pp.29
- XVI. **Synthesis of Newly Pyrimidine Derivatives**
Akbaş E., Ergan E.

International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 28 April - 01 May 2018, pp.28

XVII. Investigation of Pyrimidine Derivatives With Sodium Azide

Ergan E., Akbaş E.

International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 28 April - 01 May 2018, pp.30

XVIII. Chemical Calculations of Pyrimidine and Derivatives

Akbaş E., Ergan E.

International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 28 April - 01 May 2018, pp.31

XIX. Reducing Power Properties of Newly Synthesized Pyrimidine Derivatives

Konuş M., Akbaş E., Ergan E., Yılmaz C., Kızılkın N. D., ÇETİN D.

EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018, pp.212

XX. Determination of Radical Scavenging Activities of Novel Pyrimidine Analogues

Konuş M., Akbaş E., Ergan E., Yılmaz C., ÇETİN D., Kızılkın N. D.

EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018, pp.896

XXI. Synthesis, molecular structure and theoretical calculation of (2-imino-4-(4-(methylthio)phenyl)-6-phenyl-1,2,3,4-tetrahydropyrimidin-5-yl) (phenyl) methanone

Akbaş E., Ergan E., Çakır M.

III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muğla, Turkey, 26 - 29 August 2017, pp.247

XXII. Multicomponent cyclocondensation reaction of β -diketone, arylaldehyde and urea

Akbaş E., Ergan E., Çakır M.

III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muğla, Turkey, 26 - 29 August 2017, pp.98

XXIII. Synthesis and Evaluation of Antioxidant Activity of Some Pyrimidine compounds

Akbaş E., Ekin S., Ergan E., Karakuş y., Şahin E.

III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muğla, Turkey, 26 - 29 August 2017, pp.319

XXIV. Synthesis, spectroscopic studies and calculation of 5-benzoyl-6-phenyl-4-(4-methylthiophenyl)-1,2,3,4-tetrahydro-2-thioxopyrimidine

Akbaş E., Ergan E., Çakır M.

III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muğla, Turkey, 26 - 29 August 2017, pp.245

XXV. Novel one pot synthesis of thiazolo[3,2-a]pyrimidin and pyrimido [2,1-b][1,3]thiazin compounds

Akbaş E., Ergan E., Çakır M.

III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muğla, Turkey, 26 - 29 August 2017, pp.57

XXVI. Synthesis of Some Novel Pyrimidine Derivatives, Investigation of Their Electrochemical Behavior and Study Some Structural Data for The Compounds Using Density Functional Theory (DFT).

Akbaş E., Ergan E.

Third International Conference on New Trends in Chemometrics and Applications, Antalya, Turkey, 25 - 28 May 2016, pp.34

XXVII. Tek Basamakta 3,5-Difenil-1H-Pirazol Bileşiğinin Sentezi ve In vitro Sitotoksik ve Oksidatif Etkilerinin Belirlenmesi

Akbaş E., Çelikezen f. ç., türkez h., özdemir ö., şahin e., Rüzgar A., Ergan E.

4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016, pp.94

XXVIII. Study of the Eschenmoser Coupling Reaction With Dihydropyrimidine Compounds

Akbaş E., Ergan E.

Trans Mediterranean Colloquium on Heterocyclic Chemistry, Antalya, Turkey, 12 - 15 November 2015, pp.78

- XXIX. **Synthesis of Dihydropyrimidine Compounds by Biginelli Reaction and Performing the Eschenmoser Coupling Reaction**
Akbaş E., Ergan E.
1st International Turkic World Conference on Chemical Sciences and Technologies, Saraybosna, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.121
- XXX. **Structural analysis of 3,5-diphenyl-1H-pyrazole obtained by acid catalyze reaction**
Akbaş E., Rüzgar A., Ergan E., şahin e.
INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY, İstanbul, Turkey, 18 - 19 December 2014, pp.55
- XXXI. **THE SYNTHESIS OF NOVEL CHALCONE DERIVATIVES FROM N-(4- ACETYLPHENYL)-3-NITROBENZAMIDE AND THEIR STRUCTURAL CHARACTERIZATION**
Ergan E., oruç emre e. e. , karaküçük iyidoğan a., kılıç i. h. , işler d., özasan m.
International Symposium on Drug Research and Development "From Chemistry to Medicine, Antalya, Turkey, 27 - 29 May 2011, pp.75

Supported Projects

- Ergan E., Project Supported by Higher Education Institutions, Pirimidin Türevlerinin Sentezi, 2019 - 2020
- Ergan E., Project Supported by Higher Education Institutions, Bazı tetrahidropirimidin bileşiklerinin spektroskopik (FT-IR) ve yapısal özelliklerinin teorik DFT (Density Functional Theory) yöntemiyle incelenmesi, 2018 - 2019
- Akbaş E., Ergan E., Project Supported by Higher Education Institutions, 1 2 3 4Tetrahidropirimidin Türevi Bileşiklerin Sentezi Spektroskopik Yöntemlerle Moleküler Yapılarının Aydınlatılması ve Teorik Hesaplamalarla Korozyon Önleyici Olarak Kullanılabilirliklerinin Araştırılması, 2018 - 2019
- Kıvrak A., Akbaş E., Ergan E., TUBITAK Project, Temel ve Uygulamalı Bilimlerde Arastırma Projesi Hazırlama ve Yürütme Sürecleri Eğitimi, 2018 - 2018
- Akbaş E., Ergan E., Project Supported by Higher Education Institutions, Stereomerkeze Sahip Çeşitli Pirimidin Bileşiklerinin Multikomponent Reaksiyon Yöntemi İle Sentezi Ve İleri Kademe Reaksiyonlarının Araştırılması, 2014 - 2016

Scientific Refereeing

- İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, August 2021
- Iranian Journal Of Chemistry & Chemical Engineering-International English Edition, SCI Journal, June 2021
- İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, June 2021
- Project Supported by Higher Education Institutions, BAP Research Project, Mus Alparslan University, Turkey, February 2021
- İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, December 2020
- JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, September 2020
- ORGANIC COMMUNICATIONS, National Scientific Refreed Journal, August 2020
- JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, SCI Journal, July 2019
- Turkish Journal of Life Sciences , Other Indexed Journal, December 2018
- Project Supported by Higher Education Institutions, December 2018
- Turkish Journal of Life Sciences , Other Indexed Journal, July 2018
- Turkish Journal of Life Sciences , Other Indexed Journal, December 2017
- Turkish Journal of Life Sciences, Other Indexed Journal, December 2017

Edit Congress and Symposium Activities

- ANADOLU KONGRELERİ 3. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Attendee, Diyarbakır, Turkey, 2019

INTERNATIONAL CHEMISTRY & BIOLOGY CONFERENCE'19, Attendee, Egypt, 2019

INTERNATIONAL ENGINEERING AND SCIENCE SYMPOSIUM'19, Attendee, Siirt, Turkey, 2019

International Conference on Research in Education and Science (ICRES), Attendee, İzmir, Turkey, 2019

International Conference on Research in Education and Science (ICRES), Attendee, Muğla, Turkey, 2018

3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), Attendee, Muğla, Turkey, 2017

INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY, Attendee, İstanbul, Turkey, 2014

International Symposium on Drug Research and Development "From Chemistry to Medicine, Attendee, Antalya, Turkey, 2011

Citations

Total Citations (WOS):28

h-index (WOS):4