

Asst. Prof. ŞİRİN GÜLTEN

Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 22162

Email: sgulten@comu.edu.tr

Web: <http://aves.comu.edu.tr/sgulten/>

Address: Çanakkale Onsekiz Mart Üniversitesi Terzioğlu Kampüsü Fen Edebiyat Fakültesi Kimya Bölümü 17020 Çanakkale

International Researcher IDs

ORCID: 0000-0003-1735-0501

Publons / Web Of Science ResearcherID: AAS-4715-2021

ScopusID: 6503896171

Yoksis Researcher ID: 37993

Education Information

Doctorate, University of East Anglia, School of Chemical Sciences, Organic Chemistry, United Kingdom 1995 - 1999

Postgraduate, University of East Anglia, School of Chemical Sciences, Organic Chemistry, United Kingdom 1993 - 1995

Undergraduate, Anadolu University, Faculty Of Arts And Sciences, Chemistry, Turkey 1987 - 1991

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, The Development of New Asymmetric [2+2] Photocycloaddition Reactions, University of East Anglia, School of Chemical Sciences, Organic Chemistry, 1999

Postgraduate, An Investigation of New Cyclobutane Ring Expansion Reactions, University of East Anglia, School of Chemical Sciences, Organic Chemistry, 1995

Research Areas

Organic Chemistry, Chemistry of Asymmetric Synthesis, Chemistry of Heterocyclic Compounds, Photochemistry of Organics, Organic Reaction Mechanisms, Organic Spectroscopy, Free Radicals

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2018 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 1999 - 2018

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 1993 - 1999

Academic and Administrative Experience

Bölüm Kalite Komisyonu Üyesi, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2019 - Continues
Mevlana Exchange Program Coordinator, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2013 - 2015
Erasmus Coordinator, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2013 - 2015
Farabi Coordinator, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2013 - 2015
Deputy Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2012 - 2015
Staj Koordinatörü, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2000 - 2002

Courses

Organic Chemistry Lab., Undergraduate, 2021 - 2022, 2020 - 2021
Lisans Tezi, Undergraduate, 2021 - 2022, 2020 - 2021
Organic Chemistry II, Undergraduate, 2021 - 2022, 2020 - 2021
Organik Kimyada Çok Bileşenli Reaksiyonlar, Postgraduate, 2021 - 2022
Fotokimya, Undergraduate, 2021 - 2022
Günlük Hayatta Kimya, Undergraduate, 2020 - 2021, 2019 - 2020
Instrumental Analysis, Undergraduate, 2021 - 2022
Stereokimya II, Doctorate, 2020 - 2021
Organic Chemistry I, Undergraduate, 2021 - 2022, 2020 - 2021
Postgraduate, 2021 - 2022
Instrumental Analysis, Undergraduate, 2020 - 2021
Stereokimya I, Doctorate, 2020 - 2021
Organik Kimyada Sentez Tasarım II, Postgraduate, 2020 - 2021
Yeşil Kimya ve Uygulamaları, Undergraduate, 2019 - 2020
Green Chemistry and Its Applications, Undergraduate, 2018 - 2019

Advising Theses

Gülten Ş., Bazı Yeni Bis-1,3-Oksazepin Türevlerinin Sentezi ve Yapılarının Aydınlatılması, Postgraduate, R.Farahmand(Student), Continues
Gülten Ş., Bis Biginelli Dihidropirimidinlerin Asit Katalizli Ortamda Tek Kap Yöntemiyle Sentezi, Postgraduate, E.Moncal(Student), 2014
Gülten Ş., Bazı Yeni Azakaliks[4]arenlerin Sentezi ve Yapılarının Spektroskopik Yöntemlerle Aydınlatılması, Postgraduate, Ö.Gültekin(Student), 2013
Gülten Ş., Bazı Yeni Azakaliks[4]piridinriazinlerin Sentezi ve Yapılarının Spektroskopik Yöntemlerle Aydınlatılması, Postgraduate, E.Aksanlı(Student), 2013
Gülten Ş., Maleik Anhidrit, Maleimit ve 3,4,5,6-Tetrahidroftalik Anhidritin Molekül İçi ve Moleküller Arası [2+2] Fotokatılma Reaksiyonlarının İncelenmesi, Postgraduate, H.Cündelli(Student), 2005
Gülten Ş., Karboksil Grubu Taşıyan Organik Bileşiklerin Radikalik Yoldan Dekarboksilasyon Reaksiyonlarının İncelenmesi, Postgraduate, H.Tuntaş(Student), 2002
Gülten Ş., Yapısında Amino Grubu Bulunduran Organik Bileşiklerden Radikalik Metotla Amino Grubunun Çıkarılması Reaksiyonlarının İncelenmesi, Postgraduate, Ö.Özay(Student), 2002
Gülten Ş., Dört Fonksiyonlu Epoksi Reçinelerinin Sentezi ve Özelliklerinin İncelenmesi, Postgraduate, S.Ülkü(Student), 2001
Gülten Ş., Beta-Keto Esterlerin Serbest Radikalik Yöntemle Bir Karbon Halka Genişleme-Zincir Uzama Reaksiyonlarının İncelenmesi, Postgraduate, R.İş(Student), 2001

- I. **Synthesis of Fused Six-Membered Lactams to Isoxazole and Isoxazoline by Sequential Ugi Four-Component Reaction and Intramolecular Nitrile Oxide Cyclization**
Gülten Ş.
Journal of Chemical Education, vol.97, pp.3839-3846, 2020 (SCI-Expanded)
- II. **Fast and Efficient One-Pot Three-Component Synthesis of Some 1,2,3,4-Tetrahydro-6-methyl-N-phenyl-5-pyrimidinecarboxamide Derivatives via Biginelli Condensation Reaction**
Gülten Ş., Gezer U., Gundogan E. A.
LETTERS IN ORGANIC CHEMISTRY, vol.17, no.5, pp.366-371, 2020 (SCI-Expanded)
- III. **Acid Catalyzed One-pot Three-component Biginelli-type Synthesis of Some New Symmetrical Bis 3,4-dihydropyrimidin-2(1H)-ones/thiones**
Gülten Ş., Arslan E.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, pp.2936-2945, 2018 (SCI-Expanded)
- IV. **Nickel Chloride Hexahydrate Catalyzed Multicomponent Biginelli's Synthesis of 3,4-Dihydropyrimidin-2(1H)-Ones and Thiones**
Gülten Ş.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.54, pp.1252-1260, 2017 (SCI-Expanded)
- V. **Magnesium Bromide and Magnesium Chloride Hexahydrate Catalyzed One-Pot Synthesis of Dihydropyrimidines via Biginelli Reaction under Solvent-Free Conditions**
Gulden Ş.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.50, pp.391-395, 2013 (SCI-Expanded)
- VI. **The Synthesis and Characterization of Solvatochromic Maleimide-Fused N-Allyl- and N-Alkyl-Substituted 1,4-Dithiines and Diels-Alder Reactions with Anthracene**
Gulden Ş.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.47, no.1, pp.188-193, 2010 (SCI-Expanded)
- VII. **Use of temporary tethers in the intramolecular [2+2] photocycloaddition reactions of tetrahydrophthalimide derivatives: a new approach to complex tricyclic lactones**
Gulden Ş., Sharpe A., Baker J. R., Booker-Milburn K. I.
TETRAHEDRON, vol.63, no.18, pp.3659-3671, 2007 (SCI-Expanded)
- VIII. **Diastereoselective intramolecular photochemical [2+2] cycloaddition reactions of tethered L-(+)-valinol derived tetrahydrophthalimides**
BookerMilburn K., Gulden Ş., Sharpe A.
CHEMICAL COMMUNICATIONS, no.15, pp.1385-1386, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Green Chemistry Metrics: Calculation of Green Chemistry Metrics of Biginelli Compounds Synthesized Under the Catalyst and Catalyst-Free Reaction Conditions**
Gülten Ş.
Avrupa Bilim ve Teknoloji Dergisi, no.14, pp.61-69, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Genel Kimya Laboratuvar Kitabı**
Gülten Ş.
Papatya Yayıncılık, İstanbul, 2017
- II. **Genel Kimya Laboratuvar Kitabı**
Gülten Ş.
Beta Basım Yayım Dağıtım, İstanbul, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Characterization of Bis Schiff Bases and Bis 1,3-Oxazepine Derivatives**
Farahmand R., Gülten Ş.
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.27
- II. **A comparative assesment of Green Chemistry metrics for PEG400/KH₂PO₄ and NiCl₂•6H₂O catalyzed one-pot multicomponent synthesis of 3,4-dihydropyrimidin-2(1H)-ones and thiones**
Gülten Ş.
International Conference on Organic Synthesis, BOS (Balticum Organic Syntheticum, Tallinn, Estonia, 1 - 04 July 2018, pp.61
- III. **An application of Green Organic Chemistry: Calculation of the green chemistry metrics of synthesised 3,4-dihydropyrimidin-2(1H)-ones and thiones in the presence of FeCl₃•6H₂O and NiCl₂•6H₂O catalysts**
Gülten Ş.
International Conference on Organic Synthesis, BOS (Balticum Organic Syntheticum), Tallinn, Estonia, 1 - 04 July 2018, pp.62
- IV. **One-pot three-component synthesis of THP-5-carboxamide derivatives**
Gülten Ş., Gezer U., Aksanlı Gündoğan E.
9th Trans Mediterranean Colloquim on Heterocyclic Chemistry (Tramech IX), Fas, Morocco, 22 - 25 November 2017, pp.242
- V. **1,4-Dihydropyridine Synthesis Under The Green Reaction Conditions**
Gülten Ş., Ergin Ö.
9th Trans Mediterranean Colloquim on Heterocyclic Chemistry (Tramech IX), Fas, Morocco, 22 - 25 November 2017, pp.210
- VI. **Synthesis of new symmetrical and unsymmetrical N(H)-bridged azacalixarenes from cyanuric chloride and diamines**
Gülten Ş., Gültekin Ö.
18th Tetrahedron Symposium, Budapest, Hungary, 27 - 30 June 2017, pp.16
- VII. **Catalysis of the Biginelli reaction by nickel chloride hexahydrate. One-pot synthesis of some new 3,4-dihydropyrimidine-2(1H)-ones (-thiones)**
Gülten Ş.
9th Biannual International Conference on Organic Synthesis "Balticum Organicum Syntheticum 2016", Riga, Latvia, 3 - 06 July 2016, pp.8
- VIII. **One-pot three component synthesis of novel bis tetrahydropyrimidine-5-carboxamide derivatives under Biginelli reaction conditions**
Gülten Ş., Arslan E.
9th Biannual International Conference on Organic Synthesis "Balticum Organicum Syntheticum 2016", Riga, Latvia, 3 - 06 July 2016, pp.5
- IX. **Synthesis and characterization of novel bis Ugi products. Attempts to synthesis of bis 1,3,5-trisubstituted hydantoin and bis 2,5-diketopiperazine**
Gülten Ş.
The second Anatolian Conference on Synthetic Organic Chemistry (ACSOC- II), Aydın, Turkey, 21 - 24 March 2016, pp.4
- X. **"Magnezyum Bromür, Magnezyum Klorür Heksahidrat Katalizörlü ve Katalizörsüz Ortamlarda Sentezlenen Biginelli Dihidropirimidinlerin Yeşil Kimya Ölçümlerinin Hesaplanması ve Sonuçların Karşılaştırılması."**
Gülten Ş.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.10
- XI. **One-Pot Synthesis and Characterization of Potential Bioactive New 3,4-Dihydropyrimidin-2-(1H)-One/Thione Derivatives**
Gülten Ş., Aksanlı E., Gezer U.

4th International Meeting on Medicinal and Pharmaceutical Chemistry and 6th International Symposium on Pharmaceutical Chemistry, Ankara, Turkey, 30 September - 02 October 2010, pp.9

XII. **Two Step Synthesis of the Potential Bioactive Compound N-Allyl-1,4-Dithiine by Thionyl Chloride.**
Gülten Ş.

6th AFMC International Medicinal Chemistry Symposium , İstanbul, Turkey, 8 - 11 July 2007, pp.140-141

XIII. **'Öğrenci Gözüyle Kimya Bölümünde Eğitim-Öğretimin Durumu'**

AY M., AKGÜL C., GÜLTEN Ş.

1. Ulusal Kimya Eğitimi Kongresi, İstanbul, Turkey, 20 - 22 June 2007, pp.125

XIV. **Maleimit, Maleik Anhidrit Ve 3,4,5,6-Tetrahidroftalik Anhidritin Olefinik ve Asetilenik Bağ İçeren Moleküllerle Verdiği [2+2] Fotosiklokatalizasyon Reaksiyonlarının İncelenmesi**

ÖZAY H., GÜLTEN Ş.

XIX. Ulusal Kimya Kongresi, Aydın, Turkey, 1 - 04 October 2005

XV. **Amino Grubu İçeren Bileşiklerde Radikalik Yöntemle gerçekleşen Deaminasyon reaksiyonunun İncelenmesi**

GÜLTEN Ş., ÖZAY Ö.

16. Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 September 2002, pp.710

Supported Projects

GÜLTEN Ş., Project Supported by Higher Education Institutions, Farmasötik Öneme Sahip Çeşitli İzoksazol ve İzoksazolin Türevlerinin Ugi/Inoc Reaksiyonuyla Sentezi, 2010 - 2015

GÜLTEN Ş., MONCAL E., Project Supported by Higher Education Institutions, Bis Biginelli Dihidropirimidinlerin Asit Katalizli Ortamda Tek Kap Yöntemiyle Sentezi, 2014 - 2014

GÜLTEN Ş., AKSANLI E., Project Supported by Higher Education Institutions, Bazı yeni azakaliks[4]piridintriazinlerin sentezi ve yapılarının spektroskopik yöntemlerle aydınlatılması, 2012 - 2013

GÜLTEN Ş., GÜLTEKİN Ö., Project Supported by Higher Education Institutions, Bazı yeni azakaliks[4]arenlerin sentezi ve yapılarının spektroskopik yöntemlerle aydınlatılması, 2012 - 2013

GÜLTEN Ş., Project Supported by Higher Education Institutions, Bazı Yeni Biginelli Bileşiklerinin, NiCl₂.6H₂O, FeCl₃.6H₂O, MgCl₂.6H₂O, MgBr₂ ve KH₂PO₄-PEG400 katalizörleriyle tek adımsentezi ve karakterizasyonu, 2008 - 2010

GÜLTEN Ş., Project Supported by Higher Education Institutions, Yapısında Amino Grubu bulunduran organik bileşiklerden radikalik metotla amino grubunun çıkarılması reaksiyonlarının incelenmesi, 2001 - 2006

GÜLTEN Ş., CÜNDELLİ H., Project Supported by Higher Education Institutions, Maleik Anhidrit, maleimit ve 3,4,5,6-tetrahidroftalik anhidritin molekül içi ve moleküller arası (2+2) fotokatalizasyon reaksiyonlarının incelenmesi, 2004 - 2005

Memberships / Tasks in Scientific Organizations

Türkiye Kimya Derneği , Member, 2001 - 2019, Turkey

Scientific Refereeing

Molecular Diversity, Journal Indexed in SCI-E, March 2022

Molecular Diversity, Journal Indexed in SCI-E, July 2021

Molecular Diversity, Journal Indexed in SCI-E, April 2021

Journal Of Chemical Education, Journal Indexed in SCI-E, March 2021

ARCHIV DER PHARMAZIE, SCI Journal, January 2021

ORGANIC PREPARATIONS AND PROCEDURES INTERNATIONAL, SCI Journal, August 2020

ORGANIC PREPARATIONS AND PROCEDURES INTERNATIONAL, SCI Journal, December 2019

ORGANIC PREPARATIONS AND PROCEDURES INTERNATIONAL, SCI Journal, September 2019
JOURNAL OF HETEROCYCLIC CHEMISTRY, SCI Journal, December 2018
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, Journal Indexed in SCI-E, November 2018
The International Journal of Innovative Approaches in Science Research, Other Indexed Journal, September 2018
Current Catalysis, Other Indexed Journal, June 2017
Molecular Diversity, Journal Indexed in SCI-E, April 2013
JOURNAL OF HETEROCYCLIC CHEMISTRY, SCI Journal, February 2013
Molecular Diversity, Journal Indexed in SCI-E, January 2013
Reports In Organic Chemistry, Other Indexed Journal, May 2012
Molecular Diversity, Journal Indexed in SCI-E, November 2011

Metrics

Publication: 28

Citation (WoS): 38

Citation (Scopus): 54

H-Index (WoS): 3

H-Index (Scopus): 5