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Education Information

Post Doctorate, Ihsan Dogramaci Bilkent University, Unam, Organik Kimya, Turkey 2011 - 2012

Doctorate, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya / Organik Kimya, Turkey 2002 - 2009

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2000 - 2002

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Kimya Blümü, Turkey 1995 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Stereoselective Synthesis of Cyclopentanoids and Cyclitol Derivatives Originated from Polychlorinated Norbornene Systems, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya / Organik Kimya, 2009

Postgraduate, SYNTHESIS AND OPTIMIZATION OF TEMPO BASED POLYMERIC OXIDATION CATALYSTS, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya / Organik Kimya, 2002

Research Areas

Chemistry, Organic Chemistry, Chemistry of Asymmetric Synthesis, Chemistry of Heterocyclic Compounds, Organic Reaction Mechanisms, Stereochemistry and Conformational Analysis, Natural Sciences

Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya Bölümü, 2021 - Continues

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya, 2016 - 2021

Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya, 2010 - 2016

Research Assistant PhD, Van Yüzüncü Yil University, Fen Fakültesi, Kimya, 2010 - 2010

Research Assistant, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya, 2000 - 2010

Courses

NMR, Undergraduate, 2012 - 2013

Advising Theses

Gümüş A., Dihidropiran Türevlerinin Halka Kapanma Metatez Tepkimeleriyle Stereoseçici Sentezi, Postgraduate, N.Nuriye(Student), 2017

Gümüş A., Bisiklik Siklopentenon Türevlerinin Pauson-Khand Tepkimesiyle Stereoseçici Sentezi, Postgraduate, N.Aslan(Student), 2017

Gümüş A., YENİ 1,4-DİSÜBSTİTÜE 1,2,3-TRİAZOL TÜREVLERİNİN ONE-POT SENTEZİ, Postgraduate, S.SÖYLEMEZ(Student), 2016

Gümüş A., İZOKİNOLİN-SÜBSTİTÜE TRİAZOL VE PİRAN TÜREVLERİNİN SENTEZİ, Postgraduate, D.Yenidede(Student), 2016

Gümüş A., Çesitli 1,2,3-triazol türevlerinin asimetrik sentezi, Postgraduate, K.Mert(Student), 2014

Jury Memberships

Doctorate, Doktora savunma jürisi, Atatürk Üniversitesi, September, 2018

Post Graduate, Yüksek Lisans tez savunması, Kafkas Üniversitesi, May, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, biological evaluation of antioxidant-antibacterial activities and computational studies of novel anthracene- and pyrene-based Schiff base derivatives**
GÜMÜŞ A., OKUMUŞ V., GÜMÜŞ S.
Turkish Journal Of Chemistry, vol.44, pp.1200-1215, 2020 (SCI-Expanded)
- II. **INVESTIGATION OF TADF PROPERTIES OF NOVEL DONOR-ACCEPTOR TYPE PYRAZINE DERIVATIVES**
İRAK Z. Ş. T., Gümüş A., Gümüş S.
JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.64, no.1, pp.4303-4309, 2019 (SCI-Expanded)
- III. **Enantioselective Bio-Hydrolysis of Geranyl-Derived rac-Epoxydes: A Chemoenzymatic Route to trans-Furanoid Linalool Oxide**
van Lint M. J., Guemues A., Ruijter E., Faber K., Orru R. V. A., Hall M.
ADVANCED SYNTHESIS & CATALYSIS, vol.361, no.4, pp.813-825, 2019 (SCI-Expanded)
- IV. **The solvatochromism and electronic structure of (E)-2-(2-hydroxystyryl)quinolin-8-ol**
Gümüş A., Gulseven Sidir Y., SİDIR İ., Gümüş S.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.6, pp.1503-1521, 2019 (SCI-Expanded)
- V. **SYNTHESIS, SOLVATOCHROMISM, ELECTRONIC STRUCTURE AND NONLINEAR OPTIC PROPERTIES OF QUINOLIN-8-YL-2-HYDROXYBENZOATE**
Gümüş A., Gülseven Sıdır Y., Sıdır İ., Gümüş S.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.37, no.2, pp.145-158, 2018 (SCI-Expanded)
- VI. **SYNTHESIS, SOLVATOCHROMISM, ELECTRONIC STRUCTURE AND NONLINEAR OPTIC PROPERTIES OF QUINOLIN-8-YL 2-HYDROXYBENZOATE**
Gümüş A., SİDIR Y. G., SİDIR İ., Gümüş S.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.37, no.2, pp.145-158, 2018 (SCI-Expanded)
- VII. **Synthesis of 2-substituted 8-propargyloxyquinoline derivatives and determination of their**

antioxidant, antibacterial, and DNA binding activities

Gümüş A., OKUMUŞ V., Gümüş S.

TURKISH JOURNAL OF CHEMISTRY, vol.42, no.5, pp.1358-1369, 2018 (SCI-Expanded)

VIII. Synthesis and biological evaluation of quinoline-triazole and quinolone-triazole conjugates

Gümüş A., OKUMUŞ V.

TURKISH JOURNAL OF CHEMISTRY, vol.42, no.5, pp.1344-1357, 2018 (SCI-Expanded)

IX. SYNTHESIS AND COMPUTATIONAL CALCULATIONS OF NOVEL CHIRAL BIS-1,2,3-TRIAZOLE DERIVATIVES

Gümüş A., Gümüş S.

MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.2, pp.165-176, 2017 (SCI-Expanded)

X. INVESTIGATION OF AROMATICITY OF TRI AND TETRAAZANAPHTHALENE DERIVATIVES

Gümüş S., Gümüş A., Avcı M.

MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.2, pp.177-192, 2017 (SCI-Expanded)

XI. INVESTIGATION OF AROMATICITY OF TRI AND TETRAAZANAPHTHALENE DERIVATIVES

Gümüş S., Gümüş A., Avcı M.

MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.2, pp.177-192, 2017 (SCI-Expanded)

XII. SYNTHESIS AND COMPUTATIONAL CALCULATIONS OF NOVEL CHIRAL BIS-1,2,3-TRIAZOLE DERIVATIVES

Gümüş A., Gümüş S.

MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.2, pp.165-176, 2017 (SCI-Expanded)

XIII. Design, stereoselective synthesis and computational calculations of novel hybrid compounds via Pauson-Khand reactions

Gümüş S., Aslan N., Buyukadali N. N., Gümüş A.

TETRAHEDRON-ASYMMETRY, vol.28, no.3, pp.479-484, 2017 (SCI-Expanded)

XIV. A COMPUTATIONAL STUDY ON A SERIES OF PHENANTHRENE AND PHENANTHROLINE BASED POTENTIAL ORGANIC PHOTOVOLTAICS

Gümüş A., Gümüş S.

MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.36, no.2, pp.239-249, 2017 (SCI-Expanded)

XV. Stereoselective synthesis of benzofuran and benzothiophene substituted dihydropyran derivatives via ring closing metathesis

Buyukadali N. N., Aslan N., Gümüş S., Gümüş A.

TETRAHEDRON-ASYMMETRY, vol.27, no.19, pp.954-959, 2016 (SCI-Expanded)

XVI. Isoquinoline-substituted triazole and pyran derivatives: synthesis and computational studies

Yenidede D., Gümüş S., Gümüş A.

TURKISH JOURNAL OF CHEMISTRY, vol.40, no.4, pp.655-666, 2016 (SCI-Expanded)

XVII. Chemoenzymatic synthesis of novel 1,4-disubstituted 1,2,3-triazole derivatives from 2-heteroaryl substituted homopropargyl alcohols

BUYUKADALI N. N., SEVEN S., ASLAN N., YENIDEDE D., GUMUS A.

TETRAHEDRON-ASYMMETRY, vol.26, pp.1285-1291, 2015 (SCI-Expanded)

XVIII. Chemoenzymatic synthesis of a 1,2,3-triazolo-delta-lactone derivative

Gümüş A., MERT K.

HETEROCYCLIC COMMUNICATIONS, vol.21, no.1, pp.43-46, 2015 (SCI-Expanded)

XIX. Regioselective one-pot synthesis of 1,4-disubstituted 1,2,3-triazole derivatives

Gümüş A., UCUR S.

HETEROCYCLIC COMMUNICATIONS, vol.20, no.6, pp.361-364, 2014 (SCI-Expanded)

XX. Stereoselective Synthesis of 1,2,3-Triazolooxazine and Fused 1,2,3-Triazolo-delta-Lactone Derivatives

Gümüş A., MERT K., TANYELİ C.

HELVETICA CHIMICA ACTA, vol.97, no.10, pp.1340-1344, 2014 (SCI-Expanded)

XXI. Modular logic gates: cascading independent logic gates via metal ion signals

- Ecik E. T., Atilgan A., Guliyev R., Uyar T. B., Gumus A., Akkaya E. U.
DALTON TRANSACTIONS, vol.43, no.1, pp.67-70, 2014 (SCI-Expanded)
- XXII. **Stereoselective synthesis of gamma-lactone fused cyclopentanoids**
Gumus A., TANYELİ C.
TETRAHEDRON-ASYMMETRY, vol.23, pp.1405-1409, 2012 (SCI-Expanded)
- XXIII. **Enzyme-catalyzed stereoselective synthesis of two novel carbasugar derivatives**
Gümüş A., TANYELİ C.
Helvetica Chimica Acta, vol.93, no.10, pp.1882-1893, 2010 (SCI-Expanded)
- XXIV. **Synthesis of polymer-supported TEMPO catalysts and their application in the oxidation of various alcohols**
TANYELİ C., Gumus A.
TETRAHEDRON LETTERS, vol.44, no.8, pp.1639-1642, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the aromaticity of mono, di, tri and tetraazaphenanthrene derivatives**
Ozturk E., İRAK Z. Ş. T., Karakoyun N., Gümüş A., Gümüş S.
Physical Sciences Reviews, vol.5, no.3, 2020 (ESCI)
- II. **Potential thermally activated delayed fluorescence properties of a series of 2,3-dicyanopyrazine based compounds**
Gümüş A., Gümüş S.
PHYSICAL SCIENCES REVIEWS, vol.3, no.7, 2018 (ESCI)
- III. **Siklik Alken Türevlerinin Karbenler ile Siklopropanasyon Tepkimelerinin Teorik Olarak İncelenmesi**
Gümüş S., Gümüş A., Turhan Irak Z.
Kafkas Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.1, pp.57-69, 2017 (Peer-Reviewed Journal)
- IV. **Decomposition Mechanisms of Nitrogen Rich Pyrotechnics, DHT, DIAT and DAAT**
Gümüş A., Uygur R., Gümüş S.
Modern Organic Chemistry Research, vol.2, no.3, pp.105-111, 2017 (Peer-Reviewed Journal)
- V. **Decomposition Mechanisms of Nitrogen Rich Pyrotechnics, DHT, DIAT and DAAT**
Gümüş A., Uygur R., Gümüş S.
Modern Organic Chemistry Research, vol.2, no.2, pp.105-111, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Potential thermally activated delayed fluorescence properties of a series of 2,3-dicyanopyrazine based compounds**
Gümüş A., Gümüş S.
in: Density Functional Theory; Advances in Applications, Ramasami P., Editor, De Walter De Gruyter, Inc., Berlin, pp.33-48, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Potential TADF Structures with Benzophenone Moieties**
Gümüş S., Gümüş A.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2019, pp.112-116
- II. **Synthesis of Novel Triazole-Linked Schiff Base Derivative**
Gümüş A., Gümüş S.

International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2019, pp.87-92

- III. **Synthesis of Triazole-Coupled Quinoline-Based Fluorescent Sensor**
Gümüş A., Gümüş S.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2019, pp.58-62
- IV. **Computational Studies on Quinoline Based Metal Chemosensors**
Gümüş S., Gümüş A.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2019, pp.380-384
- V. **MONOAZAPİRİDOKİNOLİZİN TÜREVLERİNİN AROMATİKLİK ÖZELLİKLERİNİN TEORİK OLARAK İNCELENMESİ**
Öztürk E., Turhan İrak Z., Gümüş A., Gümüş S.
UMTEB 6. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Iğdır, Turkey, 11 - 12 April 2019, pp.742-745
- VI. **BİS TRİAZOL BİLEŞİKLERİNİN METAL KOMPLEKS KOORDİNASYON KARAKTERLERİNİN TEORİK OLARAK İNCELENMESİ**
Karakoyun N., Gümüş A., Gümüş S.
UMTEB 6. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Iğdır, Turkey, 11 - 12 April 2019, pp.758-762
- VII. **FENANTREN TABANLI POTANSİYEL OLED YAPILARIN YAPISAL VE ELEKTRONİK ÖZELLİKLERİNİN İNCELENMESİ**
Öztürk E., Turhan İrak Z., Gümüş A., Gümüş S.
UMTEB 6. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Iğdır, Turkey, 11 - 12 April 2019, pp.746-750
- VIII. **BENZO[d]OKSAZOL VE TÜREVLERİNİN ABSORPSİYON VE EMİSYON SPEKTRUMLARININ TD-DFT YÖNTEMİYLE İNCELENMESİ**
Gümüş S., Gümüş A., Turhan İrak Z.
UMTEB 6. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Iğdır, Turkey, 11 - 12 April 2019, pp.722-726
- IX. **Potential thermally activated delayed fluorescence properties of a series of 2,3-dicyanopyrazine based compounds**
Gümüş A., Gümüş S.
5th Virtual Conference on Computational Science (VCCS), ELECTR NETWORK, 1 - 31 August 2017, pp.33-47
- X. **3,6-DIALKYL-SULFANYL-PHTHALONITRILES: COMPARATIVE MOLECULAR STRUCTURE, SPECTROSCOPIC AND DFT COMPUTATIONAL STUDIES**
Karakoyun N., Gümüş A., Gümüş S.
1. INTERNATIONAL IĞDIR CONGRESS ON MULTIDISCIPLINARY STUDIES, Iğdır, Turkey, 6 - 08 November 2018, pp.1413-1418
- XI. **AROMATICITY OF MONOAZAPHENANTHERENE DERIVATIVES**
Öztürk E., Turhan İrak Z., Gümüş S., Gümüş A.
International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 28 April - 01 May 2018, pp.1
- XII. **SYNTHESIS OF CHIRAL HOMOALLYL AND HOMOPROPARGYL ALCOHOLS**
Gümüş A., Gümüş S.
7th International Conference on Advanced Technology & Sciences (ICAT'18), Antalya, Turkey, 28 April - 02 May 2018, pp.1
- XIII. **Synthesis and Computational Studies on Anthracene Pyren Schiff Bases**
Gümüş A., Gümüş S.
7th International Conference on Advanced Technology & Sciences (ICAT'18), Antalya, Turkey, 28 April - 02 May 2018, pp.1

- XIV. DECOMPOSITION MECHANISMS OF NITROGEN RICH PYROTECHNICS**
Gümüş S., Gümüş A., Uygur R.
7th International Conference on Advanced Technology & Sciences (ICAT'18), Antalya, Turkey, 28 April - 02 May 2018, pp.1
- XV. POTENTIAL APPLICATION OF SOME PHENANTHRENE DERIVATES AS OLED COMPOUNDS**
Öztürk E., Turhan İrak Z., Gümüş A., Gümüş S.
International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 28 April - 01 May 2018, pp.1
- XVI. A COMPUTATIONAL STUDY ON A SERIES OF PHENANTHRENE AND PHENANTHROLINE BASED POTENTIAL ORGANIC PHOTOVOLTAICS**
Gümüş S., Gümüş A.
7th International Conference on Advanced Technology & Sciences (ICAT'18), Antalya, Turkey, 28 April - 02 May 2018, pp.1
- XVII. Construction of Novel Cyclic Compounds via Enzymatic Resolution**
Gümüş A., Gümüş S.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1
- XVIII. Investigation of Nonlinear Optical Properties of Donor-Acceptor Type Molecules**
Öztürk E., Turhan İrak Z., Gümüş S., Gümüş A.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1
- XIX. Synthesis and Biological Activity Studies of Fluorescent Schiff Bases**
Gümüş A., Gümüş S., Okumuş V.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1
- XX. Determination of TADF Properties of Phenanthroline-Based Compounds Containing Donor-Acceptor Group**
Turhan İrak Z., Öztürk E., Gümüş S., Gümüş A.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1
- XXI. Computational Investigation of Carbene and Cyclic Olefin Reaction Mechanism**
Gümüş S., Gümüş A., Turhan İrak Z.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1
- XXII. Substituent Effect on the Aromaticity of Diazanaphthalenes**
Gümüş S., Gümüş A.
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 26 - 27 April 2018, pp.1
- XXIII. Theoretical Investigation of Structural Properties of (E) 2-((phenylimino)methyl)phenol Molecule**
Öztürk E., Turhan İrak Z., Gümüş A., Gümüş S.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1
- XXIV. Substituent Effect on the Aromaticity of Phosphazene**
Gümüş S., Gümüş A.
The 21st International Electronic Conference on Synthetic Organic Chemistry, Lugo, Spain, 1 - 30 November 2017, pp.1
- XXV. Synthesis of Chiral Heteroaryl-Substituted Dihydropyran Derivatives via Ring Closing Enyne Metathesis Reaction**
Gümüş A., Gümüş S., Büyükdalı N. N., Aslan N.
The 21st International Electronic Conference on Synthetic Organic Chemistry, Lugo, Spain, 1 - 30 November 2017, pp.1

- XXVI. **Synthesis of Novel Chiral Cyclopentenone Derivatives**
Gümüş A., Gümüş S., Aslan N., Büyükdalı N. N.
The International Iğdır Symposium (İĞDIRSEMP2017), Iğdır, Turkey, 9 - 11 October 2017, pp.398
- XXVII. **DETERMINATION OF THE ELECTRONIC PROPERTIES OF SOME 1,3,5-TRIAZINE BASED ORGANIC ELECTROLUMINESCENT COMPOUNDS**
Gümüş S., Gümüş A., Karakoyun N., ARVAS E.
The International Iğdır Symposium (İĞDIRSEMP2017), Iğdır, Turkey, 9 - 11 October 2017, pp.1
- XXVIII. **Kiral Benzofuran ve Benzotiyofen-Süstitüe Dihidropiran Türevlerinin Kemoenzimatik Sentezi**
Gümüş A., Büyükdalı N. N., Aslan N., Gümüş S.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.299
- XXIX. **SYNTHESIS AND COMPUTATIONAL CALCULATIONS OF NOVEL CHIRAL BIS-1,2,3-TRIAZOLE DERIVATIVES**
Gümüş A., Gümüş S.
18th International Conference on Researches in Science & Technology (ICRST), Roma, Italy, 9 - 10 June 2017, pp.39
- XXX. **INVESTIGATION OF AROMATICITY OF TRI AND TETRAAZANAPHTHALENE DERIVATIVES**
Gümüş S., Gümüş A., Avcı M.
18th International Conference on Researches in Science & Technology (ICRST), Roma, Italy, 9 - 10 June 2017, pp.1
- XXXI. **Isoquinoline-substituted hybrid compounds: Synthesis and computational studies**
Gümüş A., Gümüş S., Yenidede D.
20th International Electronic Conference on Synthetic Organic Chemistry, ELECTR NETWORK, 1 - 30 November 2016
- XXXII. **Chemoenzymatic One-Pot Synthesis of Novel 1,4-Disubstituted 1,2,3-Triazole Derivatives**
Gümüş A., Seven S.
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 3 - 06 March 2015, pp.1

Supported Projects

Gümüş A., Project Supported by Higher Education Institutions, Salisilaldehitten Triazol Türevi Sentezi, 2019 - 2021

Gümüş S., Gümüş A., Project Supported by Higher Education Institutions, Benzofenon ve Triazofenon Temelli OLED Yapılarının Tasarlanması ve Kuantum Kimyasal Uygulamaları, 2018 - 2021

Gümüş A., TUBITAK Project, Kinolin-Temelli Metal Kemosensörlerin Tasarımı, Sentezi, Floresans Uygulamaları ve Bilgisayarlı Hesaplamaları, 2018 - 2021

Gümüş A., Gümüş S., Project Supported by Higher Education Institutions, Antrasen ve Piren Temelli Floresans Schiff Baz Türevlerinin Sentezi ve Elektronik Özelliklerinin Teorik Olarak İncelenmesi, 2018 - 2019

Gümüş S., Gümüş A., KARAKOYUN N., Karakoyun N., Project Supported by Higher Education Institutions, Yeni Mono ve Bis-Triazol Türevlerinin Sentezi ve Hesapsal Kimya Uygulamaları, 2017 - 2019

Gümüş A., Project Supported by Higher Education Institutions, Synthesis of 2-Substituted Quinoline Derivatives, 2018 - 2018

Gümüş A., ASLAN N., Project Supported by Higher Education Institutions, Bisiklik Siklopentenon Türevlerinin Pauson-Khand Tepkimesiyle Stereoseçici Sentezi, 2017 - 2017

Gümüş A., BÜYÜKDALI N. N., Project Supported by Higher Education Institutions, Dihidropiran Türevlerinin Halka Kapanma Metatez Tepkimeleriyle Stereoseçici Sentezi, 2017 - 2017

Gümüş A., Project Supported by Higher Education Institutions, Yeni Kiral Bis-1,2,3-Triazol Türevlerinin Sentezlenmesi, 2017 - 2017

Gümüş A., Gümüş S., Project Supported by Higher Education Institutions, Kiral Benzofuran-süstitüe Triazol Türevlerinin Sentezi, 2016 - 2017

Gümüş S., Gümüş A., Project Supported by Higher Education Institutions, İzokinolin Süstitüe Triazol Türevlerinin Sentezi ve Bilgisayarlı Hesaplamaları, 2016 - 2017

Gümüş A., YENİDEDE D., Gümüş S., Project Supported by Higher Education Institutions, Floresans Kemosensörlerin

Tasarlanması, Sentezi ve Uygulamaları, 2015 - 2017

Gümüş A., Project Supported by Higher Education Institutions, 1,2,3-Triazol Türevlerinin Asimetrik Tek-Kap Sentezi, 2015 - 2016

Gümüş S., Gümüş A., TUBİTAK Project, Kiral 1,4-Disüstitüe 1,2,3-Triazollerin Kemoenzimatik One-Pot Sentezi Ve Tepkime Mekanizmasının Teorik Olarak İncelenmesi, 2014 - 2016

Gümüş A., Project Supported by Higher Education Institutions, Yeni 1,4-Disüstitüe 1,2,3-Triazol Türevlerinin One-Pot Sentezi, 2014 - 2016

Gümüş A., Project Supported by Higher Education Institutions, Homoproparjil Alkol Türevlerinin Enzimatik Rezolüsyonu ve Kiral Triazol Türevlerine Dönüştürülmesi, 2015 - 2015

Gümüş A., TUBİTAK Project, ÇEŞİTLİ 1,4-DİSÜBSTİTÜE 1,2,3-TRIAZOL TÜREVLERİNİN SENTEZİ, 2014 - 2015

Gümüş A., Project Supported by Higher Education Institutions, Yeni lakton-fused (kaynaşmış) triazol sistemlerinin asimetrik sentezi, 2013 - 2015

Gümüş A., Project Supported by Higher Education Institutions, Çeşitli Monoepoksit Sistemlerinin Sentezlenmesi ve Asimetrik Biyohidroлизleri, 2011 - 2013

Gümüş A., TUBİTAK Project, Biyoaktif Norbornen- Hekzakloronorbornen Kiral Ester, Asit ve Alkollerin Enzimatik Yöntemle Eldesi, 2004 - 2006

Scientific Refereeing

Catalysis Letters, SCI Journal, December 2018

Project Supported by Higher Education Institutions, June 2018

TUBİTAK Project, October 2017

İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi , National Scientific Refreed Journal, June 2017

Project Supported by Higher Education Institutions, June 2017

ORGANIC COMMUNICATIONS, Other Indexed Journal, March 2017

Turkish Journal of Chemistry, SCI Journal, August 2016

Scientific Consultations

TUBİTAK, Project Consultancy, Van Yüzüncü Yıl University, Fen Fakltesi, Kimya, Turkey, 2015 - 2015

Metrics

Publication: 64

Citation (WoS): 159

Citation (Scopus): 166

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

International Conference on Technology, Engineering and Science (IconTES), Session Moderator, Antalya, Turkey, 2019

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Session Moderator, Ankara, Turkey, 2018

7th International Conference on Advanced Technology & Sciences (ICAT'18), Attendee, Antalya, Turkey, 2018

18th International Conference on Researches in Science & Technology (ICRST), Attendee, Roma, Italy, 2017

Anatolian Conference on Synthetic Organic Chemistry / Chemoenzymatic One-Pot Synthesis of Novel 1,4-Disubstituted 1,2,3-Triazole Derivatives, Attendee, Antalya, Turkey, 2015

Scholarships

Uluslararası Arařtırma Bursu, TUBITAK, 2008 - Continues

Awards

Gümüş A., Most Cited Paper Award, Elsevier, January 2007