



Assoc. Prof. MURAT KALOĞLU

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Publons / Web Of Science ResearcherID: AAA-3956-2021

ScopusID: 36010824900

Yoksis Researcher ID: 113950



Education Information

2011 - 2017	Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Kimya, Turkey
2008 - 2011	Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya, Turkey
2003 - 2008	Undergraduate, Dicle University, Ziya Gökalp Faculty Of Education, Kimya Öğretmenliği, Turkey

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

2014	Erasmus Programı Personel Eğitim Alma Hareketliliği, Personal Evolution, Rennes 1 University / FRANCE
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Dissertations

2017	Fonksiyonel Grup İçeren Metal-NHC Kompleksleri ve Özellikleri, Inonu University, Fen Bilimleri Enstitüsü, Kimya, Doctorate
2011	N-Heterosiklik Karben Katalizli Aminasyon, Inonu University, Fen Bilimleri Enstitüsü, Kimya, Postgraduate

Research Areas

Chemistry, Inorganic Chemistry, Catalysis, Metal Carbene Complexes, Organometallic Chemistry, Organic Chemistry, Chemistry of Heterocyclic Compounds, Natural Sciences

Academic Titles / Tasks

2020 - Continues	Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya
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2017 - 2022	Research Assistant PhD, Inonu University, Fen-Edebiyat Fakültesi, Kimya
2009 - 2017	Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Kimya

Courses

2023 - 2024	Genel Kimya, Undergraduate
2022 - 2023	Genel Kimya II, Undergraduate
2023 - 2024	Temel Kimya, Undergraduate
2022 - 2023	Kimyagerlik Meslek Uygulaması, Undergraduate
2022 - 2023	Genel Kimya II, Undergraduate
2023 - 2024	Genel Kimya, Undergraduate
2023 - 2024	Öğretmenlik Uygulaması, Undergraduate
2022 - 2023	Genel Kimya I, Undergraduate
2022 - 2023	Genel Kimya I, Undergraduate
2022 - 2023	Kimyagerlik Meslek Bilgisi, Undergraduate
2018 - 2019	Kuantum Kimyası, Undergraduate
2018-2019	Kuantum Kimyası, Undergraduate
2017 - 2018	Temel Kimya, Associate Degree
2017-2018	Temel Kimya I, Associate Degree

Advising Theses

2021	Demir Düşünceli S., Kaloğlu M., Postgraduate, M.Hanifi(Student), Benzimidazol Çekirdeği İçeren Kinoksalin Köprülü N-Heterosiklik Karben Öncülleri ve Özellikleri
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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Imidazolidin-2-ylidene-Based Pd-Peppi Complex: an Experimental and Theoretical Approach**
Özdemir N., Kaloğlu M., Özdemir İ.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.64, no.11, pp.2120-2129, 2023 (SCI-Expanded)
- II. **Palladium N-Heterocyclic Carbene Pre-catalysts Bearing Different Ancillary Ligands for the Buchwald-Hartwig Amination of Cyclic Secondary Amines with Aryl Chlorides**
Kaloğlu M., Özdemir İ.
CATALYSIS LETTERS, vol.1, no.1, pp.1, 2023 (SCI-Expanded)
- III. **Applications of quinoxaline-bridged bis(benzimidazolium) salts as ligand sources for the palladium-catalyzed Suzuki and Heck cross-coupling reactions in an aqueous medium**
DEMİR DÜŞÜNCELİ S., Sahan M. H., KALOĞLU M., ÜSTÜN E., ÖZDEMİR İ.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.69, no.11, pp.1937-1953, 2022 (SCI-Expanded)
- IV. **Synthesis of Quinoxaline-Linked Bis(Benzimidazolium) Salts and Their Catalytic Application in Palladium-Catalyzed Direct Arylation of Heteroarenes**
KALOĞLU M., Sahan M. H., DUSUNCELI S., ÖZDEMİR İ.
CATALYSIS LETTERS, vol.152, no.7, pp.2012-2024, 2022 (SCI-Expanded)
- V. **Synthesis, characterization, crystal structure, Hirshfeld surface analysis, and theoretical study on a N-heterocyclic carbene salt and two NHC-palladium complexes**
ÖZDEMİR N., KALOĞLU M., KALOĞLU N., GÜRBÜZ N., ÖZDEMİR İ.
INORGANIC AND NANO-METAL CHEMISTRY, vol.52, no.4, pp.493-504, 2022 (SCI-Expanded)
- VI. **Synthesis of N-heterocyclic carbene-based silver complexes and their antimicrobial properties against bacteria and fungi**
KALOĞLU M., KALOĞLU N., GÜNAL S., ÖZDEMİR İ.

JOURNAL OF COORDINATION CHEMISTRY, vol.74, no.17-20, pp.3031-3047, 2022 (SCI-Expanded)

- VII. **4,5-Dihydro-imidazol-2-ylidene-linked palladium complexes as catalysts for the direct C-H bond arylation of azoles**
Kaloğlu M., Özdemir N., Özdemir İ.
APPLIED ORGANOMETALLIC CHEMISTRY, 2022 (SCI-Expanded)
- VIII. **Palladium-PEPPSI-NHC Complexes Bearing Imidazolidin-2-Ylidene Ligand: Efficient Precatalysts for the Direct C5-Arylation of N-Methylpyrrole-2-Carboxaldehyde**
KALOĞLU M., Kaloglu N., ÖZDEMİR İ.
CATALYSIS LETTERS, vol.151, no.11, pp.3197-3212, 2021 (SCI-Expanded)
- IX. **The direct C(sp²)-H functionalization and coupling of aromatic N-heterocycles with (hetero)aryl bromides by [PdX₂(imidazolidin-2-ylidene)(Py)] catalysts**
Kaloğlu M., Slimani I., Özdemir N., Gürbüz N., Hamdi N., Özdemir İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.951, 2021 (SCI-Expanded)
- X. **The first use of [PdBr₂(imidazolidin-2-ylidene)(pyridine)] catalysts in the direct C-H bond arylation of C2-substituted furan and thiophene**
KALOĞLU M., Kaloglu N., ozdemir N., ÖZDEMİR İ.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, no.7, pp.2821-2843, 2021 (SCI-Expanded)
- XI. **The first used butylene linked bis(N-heterocyclic carbene)-palladium-PEPPSI complexes in the direct arylation of furan and pyrrole**
KALOĞLU M., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.915, 2020 (SCI-Expanded)
- XII. **The direct C4-arylation of 3,5-dimethylisoxazole with aryl bromides catalyzed by imidazolidin-2-ylidene based palladium-PEPPSI complexes**
KALOĞLU M., ÖZDEMİR İ.
INORGANICA CHIMICA ACTA, vol.504, 2020 (SCI-Expanded)
- XIII. **Palladium-carbene catalyzed direct arylation of five-membered heteroaromatics**
KALOĞLU M., Kaloglu N., Ylirim I., ÖZDEMİR N., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1206, 2020 (SCI-Expanded)
- XIV. **Well-defined PEPPSI-themed palladium-NHC complexes: synthesis, and catalytic application in the direct arylation of heteroarenes**
KALOĞLU M., GÜRBÜZ N., Yildirim I., ÖZDEMİR N., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.2, 2020 (SCI-Expanded)
- XV. **Half-sandwich ruthenium-carbene catalysts: Synthesis, characterization, and catalytic application in the N-alkylation of amines with alcohols**
KALOĞLU M.
INORGANICA CHIMICA ACTA, vol.498, 2019 (SCI-Expanded)
- XVI. **Amine-functionalized silver and gold N-heterocyclic carbene complexes: Synthesis, characterization and antitumor properties**
Kizrak U., ÇİFTÇİ O., ÖZDEMİR İ., GÜRBÜZ N., DEMİR DÜŞÜNCELİ S., KALOĞLU M., Mansour L., Zaghrouba F., Hamdi N., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.882, pp.26-32, 2019 (SCI-Expanded)
- XVII. **Direct CH Bond Activation of Benzoxazole and Benzothiazole with Aryl Bromides Catalyzed by Palladium(II)-N-heterocyclic Carbene Complexes**
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ.
CHINESE JOURNAL OF CHEMISTRY, vol.36, no.9, pp.837-844, 2018 (SCI-Expanded)
- XVIII. **Synthesis of N-heterocyclic carbene-palladium-PEPPSI complexes and their catalytic activity in the direct C-H bond activation**
KALOĞLU N., KALOĞLU M., TAHIR M. N., ARICI C., BRUNEAU C., DOUCET H., DIXNEUF P. H., Cetinkaya B., ÖZDEMİR İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.867, pp.404-412, 2018 (SCI-Expanded)
- XIX. **Palladium(II)-N-Heterocyclic Carbene Complexes: Efficient Catalysts for the Direct C-H Bond Arylation of Furans with Aryl Halides**

- KALOĞLU M., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.7, 2018 (SCI-Expanded)
- XX. **Palladium(II)-N-heterocyclic carbene-catalyzed direct C2-or C5-arylation of thiazoles with aryl bromides**
KALOĞLU M., ÖZDEMİR İ.
TETRAHEDRON, vol.74, no.23, pp.2837-2845, 2018 (SCI-Expanded)
- XXI. **Direct C-H Bond Arylation of C2-Blocked Pyrrole with Aryl Halides Using Palladium(II)-N-Heterocyclic Carbene Catalysts**
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ.
CHEMISTRYSELECT, vol.3, no.20, pp.5600-5607, 2018 (SCI-Expanded)
- XXII. **Ruthenium(II)-(p-cymene)-N-Heterocyclic Carbene Complexes for the N-Alkylation of Amine Using the Green Hydrogen Borrowing Methodology**
KALOĞLU M., GÜRBÜZ N., SEMERİL D., ÖZDEMİR İ.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.10, pp.1236-1243, 2018 (SCI-Expanded)
- XXIII. **Silver-N-Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties**
KALOĞLU N., KALOĞLU M., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.64, no.4, pp.420-426, 2017 (SCI-Expanded)
- XXIV. **PEPPSI-Type Palladium-NHC Complexes: Synthesis, Characterization, and Catalytic Activity in the Direct C5-Arylation of 2-Substituted Thiophene Derivatives with Aryl Halides**
KALOĞLU M., ÖZDEMİR İ., DORCET V., BRUNEAU C., DOUCET H.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.10, pp.1382-1391, 2017 (SCI-Expanded)
- XXV. **A theoretical insight for solvent effect on myoglobin assay of W(CO)(4)L-2 type novel complexes with DFT/TDDFT**
ÜSTÜN E., Demir S., Coskun F., KALOĞLU M., ŞAHİN O., BÜYÜKGÜNGÖR O., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1123, pp.433-440, 2016 (SCI-Expanded)
- XXVI. **Novel benzimidazol-2-ylidene carbene precursors and their silver(I) complexes: Potential antimicrobial agents**
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.16, pp.3649-3656, 2016 (SCI-Expanded)
- XXVII. **The Influence of Imidazolylidene Ligands with Bulky Resorcinarenyl Substituents on Catalysts for Suzuki-Miyaura Coupling**
KALOĞLU M., SEMERİL D., BRENNER E., MATT D., ÖZDEMİR İ., TOUPET L.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.7, pp.1115-1120, 2016 (SCI-Expanded)
- XXVIII. **Copper-Catalysed Allylic Substitution Using 2,8,14,20-Tetrapentylresorcinarenyl-Substituted Imidazolium Salts**
KALOĞLU M., SAHİN N., SEMERİL D., BRENNER E., MATT D., ÖZDEMİR İ., KAYA C., TOUPET L.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2015, no.33, pp.7310-7316, 2015 (SCI-Expanded)
- XXIX. **N-Heterocyclic carbene-palladium catalysts for the direct arylation of pyrrole derivatives with aryl chlorides**
ÖZDEMİR İ., GÜRBÜZ N., KALOĞLU N., DOĞAN O., KALOĞLU M., BRUNEAU C., DOUCET H.
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.9, pp.303-312, 2013 (SCI-Expanded)
- XXX. **N-Heterocyclic Carbenes: Useful Ligands for the Palladium-Catalysed Direct C5 Arylation of Heteroaromatics with Aryl Bromides or Electron-Deficient Aryl Chlorides**
ÖZDEMİR İ., GÖK Y., Ozeroglu O., KALOĞLU M., DOUCET H., BRUNEAU C.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, no.12, pp.1798-1805, 2010 (SCI-Expanded)

Articles Published in Other Journals

1. **Synthesis of Novel Palladium-N-Heterocyclic Carbene Complexes and Their Catalytic Application in the Direct Arylation of Mono-Fluorobenzenes**

KALOĞLU M.

İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, pp.933-943, 2019 (Peer-Reviewed Journal)

II. **Sulu Ortamda N-Heterosiklik Karben/Palladyum Katalizli Suzuki-Miyaura Çapraz-Eşleşme Tepkimeleri**

KALOĞLU M.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, pp.13-20, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Aromatik Bileşiklerin Palladyum Katalizli Direkt Arilasyonuna Genel Bir Bakış**

Kaloğlu N., Kaloğlu M.

in: Fen Bilimleri ve Matematik Üzerine Araştırmalar, Doç. Dr. Adile Akpınar, Editor, Özgür Press, Gaziantep, pp.41-86, 2024

Refereed Congress / Symposium Publications in Proceedings

I. **N-Heterosiklik karben ligandı içeren PEPSI tipi palladyum komplekslerinin sentezi ve heteroaromatik bileşiklerin direkt arilasyonundaki katalitik uygulamaları**

Kaloğlu M.

Uluslararası Katılımlı 7. Ulusal Anorganik Kimya Kongresi, Çorum, Turkey, 19 - 22 June 2019, pp.114-120

II. **N-Heterosiklik Karben Ligandı İçeren Gümüş Kompleksleri: Sentezi Ve Medikal Uygulamalardaki Önemi**

Kaloğlu M.

2. Uluslararası Battalgazi Multidisipliner Çalışmalar Kongresi, Malatya, Turkey, 15 - 17 March 2019, pp.681-687

III. **Metalofarmasötik Ajanlar Olarak Altın-N-Heterosiklik Karben Kompleksleri: Sentezi ve İlaç Kimyasındaki Önem**

Kaloğlu M.

Uluslararası 7. İlaç Kimyası Kongresi, Antalya, Turkey, 14 - 17 March 2019, pp.272-275

IV. **Pd-PEPSI-Type N-Heterocyclic Carbene Complexes: Synthesis, Characterization and Catalytic Activity in The Direct Arylation Reactions**

KALOĞLU M., ÖZDEMİR İ., DOUCET H., BRUNEAU C.

6. Ulusal Kataliz Kongresi, Bursa, Turkey, 27 - 30 April 2016, pp.1

V. **N-Heterocyclic Carbene Based Ruthenium-Catalyzed Direct Amination of Alcohol**

ÖZDEMİR İ., KALOĞLU M., GÜRBÜZ N.

8th Asian-European Symposium on Metal-Mediated Efficient Organic Synthesis, İzmir, Turkey, 7 - 10 September 2014, pp.79

VI. **N-Heterocyclic carbene-palladium Catalyzed Biaryl Couplingby Direct C-H Activation**

KALOĞLU M., ÖZDEMİR İ., GÜRBÜZ N., DOUCET H., BRUNEAU C., DIXNEUF P. H.

2nd International Symposium on C-H Activation, Rennes, France, 30 June - 03 July 2014, pp.1

VII. **Heteroatom İçeren Aromatik Bileşiklerin Pd-NHC Katalizli Arilasyonu**

KALOĞLU M., ÖZDEMİR İ., GÜRBÜZ N.

5th National Catalysis Conference, Adana, Turkey, 23 - 26 April 2014, pp.92

VIII. **Palladium-catalyzed Suzuki reaction of aryl chlorides in aqueous media using carbene ligands**

KALOĞLU M., KALOĞLU M., ÖZDEMİR İ.

Second International Green Catalysis Symposium & Advanced School on Green Chemistry, Rennes, France, 2 - 04 April 2014, pp.53

IX. **Pd-NHC Complexes As a Catalyst For C-N Bond Formation**

KALOĞLU M., ÖZDEMİR İ.

44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013

- X. **New Photoactivatable CO-Releasing Molecules: Molybdenum Carbonyl Complexes with Benzimidazole Ligands**
Üstün E., DEMİR DÜŞÜNCELİ S., KALOĞLU M., Coşkun F., Schatzschneider U.
Medicinal Redox Inorganic Chemistry Conference, Erlangen, Germany, 20 - 22 July 2013, pp.43
- XI. **Yeni Ru-NHC Komplekslerinin Sentezi**
KALOĞLU M., ÖZDEMİR İ., GÜRBÜZ N.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.96
- XII. **Süstitüye Benzimidazol Grubu İçeren Pd-NHC Komplekslerinin Sentezi**
KALOĞLU M., ÖZDEMİR İ.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.97
- XIII. **Potential of novel palladium (II) and silver (I) complexes as anti-cancer drugs on prostate cancer cell line**
ÇİFTÇİ O., BAŞAK TÜRKMEN N., KALOĞLU M., ŞAHİN F., ÖZDEMİR İ.
5th International Congress on Nutrition and Cancer, 09 September 2012
- XIV. **Potential of palladium(II) and Silver(I) complexes as anti-cancer drugs on prostat cancer cell line**
Çiftçi O., Başak N., KALOĞLU M., Şahin F., ÖZDEMİR İ.
5th International congress on nutrition and cancer, Elazığ, Turkey, 9 - 11 September 2012, pp.35
- XV. **YENİ BENZİMİDAZOLYUM TUZLARININ SENTEZİ VE KATALİTİK UYGULAMALARI**
KALOĞLU M., GÜRBÜZ N., ÖZDEMİR İ., Çetinkaya B.
Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XVI. **Yeni Benzimidazolyum Tuzlarının Sentezi ve Katalitik Uygulamaları**
KALOĞLU M., GÜRBÜZ N., ÖZDEMİR İ., CETINKAYA B.
25. Uluslar Arası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011
- XVII. **Süstitü Benzimidazolyum Tuzlarının Sentezi ve C-C Bağ Oluşumundaki Katalitik Aktivitelerinin İncelenmesi**
KALOĞLU M., ÖZDEMİR İ., CETINKAYA B.
Organometalik Kimya ve Kataliz Çalıştayı, Malatya, Turkey, 16 - 17 May 2010, pp.34
- XVIII. **Süstitü Benzil Grubu İçeren NHC-Palladyum Kompleksleri**
KALOĞLU M., ÖZDEMİR İ., CETINKAYA B.
II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009, pp.161

Supported Projects

2022 - 2023	Gümüş N-Heterosiklik Karben Komplekslerinin Sentezi ve Karakterizasyonu, Project Supported by Higher Education Institutions
2022 - 2023	Kinoksalin Türevi İçeren Kuaterner Amonyum Tuzlarının Sentezi ve Karakterizasyonu, Project Supported by Higher Education Institutions
2022 - 2023	N-Heterosiklik Karben Ligandı İçeren Palladyum Komplekslerinin Sentezi ve C-N Bağ Oluşum Tepkimelerindeki Katalitik Özelliklerinin İncelenmesi, Project Supported by Higher Education Institutions
2020 - 2021	Benzimidazol Çekirdeği İçeren Kinoksalin Köprülü N-Heterosiklik Karben Öncülleri ve Özellikleri, Project Supported by Higher Education Institutions
2019 - 2020	Peppi Tipi Palladyum-N-Heterosiklik Karben Komplekslerinin Sentezi Ve Direkt C-H Bağ Aritasyonundaki Katalitik Uygulamaları, TÜBİTAK Project
2012 - 2015	İmidazolin ve Benzimidazol Türevi Ligandlar Bağlı Cr Mo ve W Metal Karbonillerin Sentezi Karakterizasyonu ve CO Salınımı Özellikleri, TÜBİTAK Project
2010 - 2012	N Heterocyclic Carbene Precursors NHC Metal Complexes And Their Applications in Catalysis, TÜBİTAK International Bilateral Joint Cooperation Program Project
2009 - 2010	N-Heterocyclic Carbene Catalyzed Amination, Project Supported by Higher Education Institutions

2006 - 2007

Pirkle-Tip Kiral Kolon Kromatografisi Yöntemiyle Bazı Kiral Amin Türevlerinin Rezolüsyonu,
TUBITAK Project

Mobility Activity

2014 - 2014

Erasmus Programme, Get Education, Université Rennes I, France

Metrics

Publication: 51

Citation (WoS): 556

Citation (Scopus): 552

H-Index (WoS): 16

H-Index (Scopus): 15

Congress and Symposium Activities

2016

6. Ulusal Kataliz Kongresi, Attendee, Bursa, Turkey

2014

8th Asian-European Symposium on Metal-Mediated Efficient Organic Synthesis, Attendee, İzmir, Turkey

2014

2nd International Symposium on C-H Activation, Attendee, Rennes, France

2014

Second International Green Catalysis Symposium & Advanced School on Green Chemistry, Attendee, Rennes, France

2014

5th National Catalysis Conference, Attendee, Adana, Turkey

2013

44th World Chemistry Congress, Attendee, İstanbul, Turkey

2013

Medicinal Redox Inorganic Chemistry Conference, Attendee, Erlangen, Germany

2013

IV. Ulusal Anorganik Kimya Kongresi, Attendee, Tokat, Turkey

2012

5th International congress on nutrition and cancer, Attendee, Elazığ, Turkey

2011

25. Uluslararası Katılımlı Ulusal Kimya Kongresi, Attendee, Erzurum, Turkey

2010

Organometalik Kimya ve Kataliz Çalıştayı, Attendee, Malatya, Turkey

2009

II. Ulusal Anorganik Kimya Kongresi, Attendee, Elazığ, Turkey

Scholarships

2014 - 2015

2214/A Doktora Sırası Yurtdışı Araştırma Bursu, TUBITAK

Non Academic Experience

2014 - 2015

Strasbourg Üniversitesi

2014 - 2014

Rennes-1 Üniversitesi