

# Doç. Dr. MUHİTTİN AYGÜN

## Kişisel Bilgiler

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## Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: E-9590-2011

ScopusID: 56249121800

Yoksis Araştırmacı ID: 138667

## Eğitim Bilgileri

Doktora, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enstitüsü, FİZİK, Türkiye 1992 - 1997

Yüksek Lisans, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enstitüsü, FİZİK, Türkiye 1987 - 1990

Lisans, Ondokuz Mayıs Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Türkiye 1981 - 1985

## Yaptığı Tezler

Doktora, Tek kristal x işinları kırınımı yöntemiyle C12 H10 N4 O4 S, C16 H18 ClO<sub>2</sub> Ps ve C17 H15 ClO<sub>3</sub> moleküllerinin kristal yapı çözümü, Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1997

Yüksek Lisans, Bazı bor tuzlarının kırmızı-altı spektroskopisi ile incelenmesi, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1990

## Araştırma Alanları

Atom ve Molekül Fiziği, Atom ve Moleküllerin Elektronik Yapısı Kuramı, Atomik Özellikler ve Fotonla Etkileşmeler, Atomik ve moleküler etkileşimler, Moleküler Özellikler ve Fotonla Etkileşmeler, Disiplinlerarası Fizik ve İlgili Bilim ve Teknoloji Alanları, Katı ve sıvı yapılar, kristalografi

## Akademik Unvanlar / Görevler

Doç. Dr., Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2018 - Devam Ediyor

Dr. Öğr. Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2018 - Devam Ediyor

Yrd. Doç. Dr., Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2001 - 2018

Yrd. Doç. Dr., Dokuz Eylül Üniversitesi, Buca Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1999 - 2001

Öğretim Görevlisi, Dokuz Eylül Üniversitesi, Buca Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1998 - 1999

Araştırma Görevlisi, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1991 - 1998

## Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2023 - Devam Ediyor  
Fakülte Kurulu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2011 - 2014  
Dekan Yardımcısı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2010 - 2013  
Bölüm Başkan Yardımcısı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2002 - 2002

## Verdiği Dersler

BİTİRME PROJESİ, Lisans, 2023 - 2024, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012  
YENİLENEBİLİR ENERJİ KAYNAKLARI, Lisans, 2022 - 2023, 2021 - 2022  
Ph.D.UZMANLIK ALANI DERSİ, Doktora, 2023 - 2024, 2022 - 2023, 2021 - 2022  
M.Sc. TEZ ÇALIŞMASI, Yüksek Lisans, 2022 - 2023, 2011 - 2012  
Ph.D. TEZ ÇALIŞMASI-II, Doktora, 2022 - 2023, 2021 - 2022, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
M.Sc. UZMANLIK ALANI DERSİ, Yüksek Lisans, 2022 - 2023, 2011 - 2012, 2007 - 2008  
KRİSTALOGRAFİ-I, Yüksek Lisans, 2022 - 2023  
KRİSTALOGRAFİ-II, Yüksek Lisans, 2022 - 2023, 2009 - 2010, 2008 - 2009, 2007 - 2008  
MADDENİN YAPISI VE ÖZELLİKLERİ, Lisans, 2022 - 2023  
Ph.D. TEZ ÇALIŞMASI-I, Doktora, 2021 - 2022  
Ph.D.UZMANLIK ALANI DERSİ-II, Doktora, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013  
Ph.D.UZMANLIK ALANI DERSİ-I, Doktora, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013  
FİZİK-I, Lisans, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
FİZİKTE GÜNCEL KONULAR, Lisans, 2017 - 2018, 2016 - 2017, 2015 - 2016  
YENİLENEBİLİR ENERJİ KAYNAKLARI, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009  
FİZİK-II, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
YENİLENEBİLİR ENERJİ KAYNAKLARI-II, Lisans, 2013 - 2014  
FİZİK LABORATUVARI-II, Lisans, 2014 - 2015, 2013 - 2014, 2012 - 2013  
YENİLENEBİLİR ENERJİ KAYNAKLARI-I, Lisans, 2013 - 2014  
M.Sc. TEZ ÇALIŞMASI-I, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010  
M.Sc. TEZ ÇALIŞMASI-II, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2008 - 2009  
FİZİK LABORATUVARI, Lisans, 2013 - 2014  
M.Sc. UZMANLIK ALANI DERSİ-I, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009  
SPEKTROSKOPİK YÖNTEMLER, Lisans, 2013 - 2014, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008  
M.Sc. UZMANLIK ALANI DERSİ-II, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2008 - 2009  
MODERN FİZİK LABORATUVARI, Lisans, 2012 - 2013  
KUANTUM MEKANİĞİ-II, Lisans, 2011 - 2012  
KUANTUM MEKANİĞİ-I, Lisans, 2011 - 2012  
Ph.D.UZMANLIK ALANI DERSİ-I, Doktora, 2010 - 2011, 2009 - 2010  
Ph.D.UZMANLIK ALANI DERSİ-II, Doktora, 2010 - 2011, 2008 - 2009  
FİZİK LABORATUVARI-I, Lisans, 2010 - 2011, 2008 - 2009  
KATİHAL FİZİĞİ-II, Lisans, 2009 - 2010, 2008 - 2009, 2007 - 2008  
Ph.D. TEZ ÇALIŞMASI-II, Doktora, 2009 - 2010, 2008 - 2009  
Ph.D. TEZ ÇALIŞMASI-I, Doktora, 2009 - 2010, 2008 - 2009  
FİZİK IV. (TİTREŞİM VE DALGALAR), Lisans, 2009 - 2010  
FİZİK-III (MODERN FİZİK), Lisans, 2009 - 2010, 2008 - 2009  
İLERİ MOLEKÜLER FİZİK, Yüksek Lisans, 2009 - 2010

KATİHAL FİZİĞİ-I, Lisans, 2009 - 2010, 2008 - 2009, 2007 - 2008

MOLEKÜLER FİZİK, Lisans, 2009 - 2010

PhD. UZMANLIK ALAN DERSİ-II, Doktora, 2009 - 2010

DİPLOMA ÇALIŞMASI, Lisans, 2009 - 2010, 2007 - 2008

M.Sc. TEZ ÇALIŞMASI VE SEMİNER, Yüksek Lisans, 2009 - 2010

DİPLOMA ÇALIŞMASI-II, Lisans, 2008 - 2009

TEZ ÇALIŞMASI, Yüksek Lisans, 2007 - 2008

TEZ ÇALIŞMASI, Doktora, 2007 - 2008

## **Yönetilen Tezler**

Aygün M., Bazı Metal Barbitürat Komplekslerinin Yapısal Karakterizasyonu, Kuantum Mekaniksel Yöntemlerle İncelenmesi ve Biyolojik Aktivite Tahminleri, Doktora, M.İZMİRLİ(Öğrenci), 2023

AYGÜN M., Üç dişli schiff bazı ligandı ile sentezlenmiş bazı bakır komplekslerinin yapısal karakterizasyonu, Doktora, D.BARUT(Öğrenci), 2016

AYGÜN M., Bazı benzofuran türevlerinin kristalografik ve kuantum mekaniksel yöntemlerle yapısal analizi, Doktora, G.YAKALI(Öğrenci), 2016

AYGÜN M., Bazı tiyazoliton ve siklobütan türevlerinin kristalografik ve kuantum mekaniksel yöntemlerle yapısal karakterizasyonu, Doktora, B.ŞEN(Öğrenci), 2015

AYGÜN M., Bazı ftalimido türevlerinin kristalografik ve kuantum mekaniksel yöntemlerle yapısal analizi, Doktora, S.KÖKTAŞ(Öğrenci), 2015

AYGÜN M., Bazı oksazolon türevlerinin yapısal ve fotofiziksel özelliklerinin incelenmesi, Doktora, R.SEVİNCEK(Öğrenci), 2012

AYGÜN M., Bazı oksalamid ve karbazol türevlerinin moleküller ve kristal yapı analizi, Yüksek Lisans, D.BARUT(Öğrenci), 2010

AYGÜN M., Bazı isoksazolin ve karbazol türevlerinin moleküller ve kristal yapı analizi, Yüksek Lisans, G.ÖZKAN(Öğrenci), 2010

AYGÜN M., Bazı organik bileşiklerin kristalografik ve biçimlenimsel incelenmesi, Yüksek Lisans, S.KÖKTAŞ(Öğrenci), 2009

AYGÜN M., Bazı organik moleküllerin yapısal ve biçimlenimsel analizi, Yüksek Lisans, B.ŞEN(Öğrenci), 2009

AYGÜN M., Bazı rodyum(I) n-heterosiklik karben komplekslerinin kristalografik ve kuantum mekaniksel yöntemlerle incelenmesi, Doktora, H.KARABIYIK(Öğrenci), 2008

AYGÜN M., Bazı palladyum(II) n?heterosiklik karben komplekslerinin kristalografik ve kuantum mekaniksel yöntemlerle incelenmesi, Doktora, A.GÜRHAN(Öğrenci), 2008

AYGÜN M., Bazı organometalik bileşiklerin kristal yapı analizi, Yüksek Lisans, H.LİLİYAR(Öğrenci), 2007

AYGÜN M., Bazı azlakton türevlerinin biçimlenimsel ve kristalografik incelemeleri, Yüksek Lisans, R.SEVİNÇEK(Öğrenci), 2006

AYGÜN M., Diokso(2,2'-(1,2-fenilenbis (nitrilometilodon)) bis-(metoksi) fenelot) (2-)N,N',O,O') uranyum ve 4-(2,4,6-trimetoksi benzilden)-2-fenilosazol-5-on bileşiklerinin kristal yapı analizi, Yüksek Lisans, D.ALUNKULP(Öğrenci), 2006

AYGÜN M., Hippurik asit ve flouresein metil eter-esterin kristal ve moleküller yapısı, Yüksek Lisans, Z.KAÇAR(Öğrenci), 2004

AYGÜN M., Hegzagonal kristallerin esneklik özellikleri üzerine araştırma, Yüksek Lisans, N.DİNÇER(Öğrenci), 2004

AYGÜN M., The crystal and molecular structure analysis of C22 H22 N2 O4 and C18 H15 Au CL P, Yüksek Lisans, F.DUR(Öğrenci), 2004

AYGÜN M., Conformation study and crystal structure of C29H25N3O3, Yüksek Lisans, H.KARABIYIK(Öğrenci), 2003

AYGÜN M., Crystallographic investigations of C27H34N2O4CIRh, Yüksek Lisans, A.KARTAL(Öğrenci), 2003

AYGÜN M., Crystal structure of two dimensional coordination polymer Cd(3-methylpyridine)2Ni(CN)4, Yüksek Lisans, G.UTLU(Öğrenci), 2002

AYGÜN M., The crystal structure analysis of C28H24N2O4 and C23H32N4Se by single crystal x ray diffraction technique, Yüksek Lisans, A.GÜRHAN(Öğrenci), 2002

## Jüri Üyelikleri

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Aydin Adnan Menderes Üniversitesi, Şubat, 2024  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Aralık, 2023  
Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Dokuz Eylül Üniversitesi, Temmuz, 2023  
Tez Savunma (Doktora), Tez Savunma (Doktora), Ondokuz Mayıs Üniversitesi, Mayıs, 2023  
Tez Savunma (Doktora), Tez Savunma (Doktora), İzmir Yüksek Teknoloji Enstitüsü, Haziran, 2017  
Tez Savunma (Doktora), Tez Savunma (Doktora), Ondokuz Mayıs Üniversitesi, Aralık, 2016  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ağustos, 2016  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ağustos, 2016  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Mart, 2016  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Aydin Adnan Menderes Üniversitesi, Şubat, 2016  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ekim, 2015  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ekim, 2015  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ağustos, 2014  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Şubat, 2013  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Aralık, 2012  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Eylül, 2012  
Tez Savunma (Doktora), Tez Savunma (Doktora), Ondokuz Mayıs Üniversitesi, Haziran, 2012  
Tez Savunma (Doktora), Tez Savunma (Doktora), Balıkesir Üniversitesi, Ekim, 2011  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Haziran, 2011  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ocak, 2011  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Aralık, 2010  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ağustos, 2010  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ağustos, 2010  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Temmuz, 2010  
Tez Savunma (Doktora), Tez Savunma (Doktora), Balıkesir Üniversitesi, Haziran, 2010  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Mart, 2010  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ocak, 2009  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ocak, 2009  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ocak, 2009  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ocak, 2009  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ocak, 2009  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ocak, 2009  
Tez Savunma (Doktora), Tez Savunma (Doktora), Dokuz Eylül Üniversitesi, Ekim, 2008  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Eylül, 2007  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ocak, 2007  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Ağustos, 2006  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Kasım, 2004  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Eylül, 2004  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Temmuz, 2004  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Eylül, 2003  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Eylül, 2003  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Temmuz, 2002  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Dokuz Eylül Üniversitesi, Haziran, 2002

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Cu(II) and Ni(II) metallacycles derived from barbituric acids: Synthesis with solvent/agent effects in crystallization and structural characterization with non-covalent interaction analysis  
İzmirli M., AYGÜN M., Firinci E., Firinci R., Yakali G., SEVİNCEK R., BARUT CELEPCİ D.

- Journal of Molecular Structure, cilt.1299, 2024 (SCI-Expanded)
- II. **1,2-Diboranes with strong donor substitutes: Synthesis, ovicidal and larvicidal effect on important vector species**  
Bursalı F., Şahin Y., Aygün M., Sevinçek R., Büyükkılıç H., Özgener H., Gürbüz B.  
INORGANIC CHEMISTRY COMMUNICATION, cilt.112268, ss.1-9, 2024 (SCI-Expanded)
- III. **Pd(II) and Pt(II) saccharinate complexes with two phosphine derivatives: Synthesis, anticancer and antiangiogenic activities**  
İçsel C., Yılmaz V. T., Aygün M., Erkisa M., Ulukaya E., Akar R. O.  
APPLIED ORGANOMETALLIC CHEMISTRY, ss.1-13, 2024 (SCI-Expanded)
- IV. **Plausible PEPPSI catalysts for direct C-H functionalization of furans and pyrroles**  
Munir N., Gürbüz N., Zafar M. N., Evren E., ŞEN YÜKSEL B., AYGÜN M., ÖZDEMİR İ.  
Journal of Molecular Structure, cilt.1295, 2024 (SCI-Expanded)
- V. **Effects of diborolane containing Oxo/Amine compounds on clinically important bacteria and Candida species**  
Şahin Y., Poyrazoğlu E., Özgener H., Büyükkılıç H., Sevinçek R., Aygün M., Gürbüz B.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1304, ss.1-11, 2024 (SCI-Expanded)
- VI. **A Novel Methodology for the Asymmetric Synthesis of 2,3,5-Trisubstituted Piperazine Derivatives**  
Bekşultanova N., ÖZDEMİR YILDIRIM Ö., Çakır S. P., AYGÜN M., DOĞAN Ö.  
Synthesis (Germany), 2024 (SCI-Expanded)
- VII. **Synthesis and characterization of Zn(II) complexes derived from thiobarbiturate ligand: Investigation of antibacterial and anticancer activities**  
Şenocak U., Yalçın Bingül D., Fırınçıcı R., Fırınçıcı E., Sevinçek R., Başbülbül G., Aygün M.  
Inorganic Chemistry Communications, cilt.158, 2023 (SCI-Expanded)
- VIII. **New palladium complexes with N-heterocyclic carbene and morpholine ligands: Synthesis, characterization, crystal structure, molecular docking, and biological activities**  
Behçet A., Taslimi P., Şen Yüksel B., Taşkın Tok T., Aktaş A., Gök Y., Aygün M., Gülcin İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, sa.e23554, ss.23554-23570, 2023 (SCI-Expanded)
- IX. **Improved photoluminescence properties of one-dimensional (1D) composite fibers of Ho@PVP and Yb@PVP prepared by electrospinning**  
Kuru F., Coban M. B., Erkarslan U., Donmez A., Oylumluoglu G., Aygün M., Kara Subasat H.  
Polyhedron, cilt.242, 2023 (SCI-Expanded)
- X. **Thioether-substituted Benzimidazolium Salts: Synthesis, Characterization, Crystal Structure, and Their Inhibitory Properties Against Acetylcholinesterase and Xanthine Oxidase**  
Yavuz K., NOMA S. A. A., ŞEN YÜKSEL B., Taskin-Tok T., AKTAŞ A., ATEŞ B., OSMAN B., AYGÜN M., GÖK Y.  
Journal of Molecular Structure, cilt.1287, 2023 (SCI-Expanded)
- XI. **Design, synthesis, characterization, crystal structure, in silico studies, and inhibitory properties of the PEPPSI type Pd(II)NHC complexes bearing chloro/fluorobenzyl group**  
GÖK Y., Taslimi P., ŞEN YÜKSEL B., Bal S., AKTAŞ A., AYGÜN M., Sadeghi M., GÜLCİN İ.  
Bioorganic Chemistry, cilt.135, 2023 (SCI-Expanded)
- XII. **Synthesis and antifungal and antibacterial bioactivities of diborolanes containing arylamines**  
Şahin Y., Coban E. P., Aygün M., Sevinçek R., Özgener H., Büyükkılıç H., Metin K., Gürbüz B.  
Journal of Molecular Structure, cilt.1277, 2023 (SCI-Expanded)
- XIII. **Fluorinated benzimidazolium salts: Synthesis, characterization, molecular docking studies and inhibitory properties against some metabolic enzymes**  
Zengin R., GÖK Y., Demir Y., ŞEN YÜKSEL B., Taskin-Tok T., AKTAŞ A., Demirci Ö., GÜLCİN İ., AYGÜN M.  
Journal of Fluorine Chemistry, cilt.267, 2023 (SCI-Expanded)
- XIV. **Water-soluble copper(ii) 5-fluorouracil complexes bearing polypyridyl co-ligands: synthesis, structures and anticancer activity**  
İÇSEL YILMAZ C., YILMAZ V. T., AYGÜN M., Erkisa M., Ulukaya E.  
Dalton Transactions, cilt.52, sa.21, ss.7048-7058, 2023 (SCI-Expanded)
- XV. **Design, synthesis, and biological activity studies on benzimidazole derivatives targeting**

- myeloperoxidase**  
Saylam M., Aydin Köse F., Pabuccuoglu A., BARUT CELEPCİ D., AYGÜN M., Pabuccuoglu V.  
European Journal of Medicinal Chemistry, cilt.248, 2023 (SCI-Expanded)
- XVI. **Synthesis, characterization and inhibitor properties of benzimidazolium salts bearing 4-(methylsulfonyl)benzyl side arms**  
Güzel A., Noma S. A. A., Şen Yüksel B., Kazancı A., Taskin-Tok T., Kolaç T., Aktaş A., Ateş B., Aygün M., Gök Y.  
Journal of Molecular Structure, cilt.1273, 2023 (SCI-Expanded)
- XVII. **Synthesis, structural, magnetic and thermal studies of copper(II) 5,5-diethylbarbiturate complexes with nicotinamide, 2,2'-bipyridine and triethanolamine**  
YILMAZ V. T., YILMAZ F., İÇSEL YILMAZ C., AYGÜN M.  
Journal of Coordination Chemistry, cilt.76, sa.3-4, ss.414-423, 2023 (SCI-Expanded)
- XVIII. **Novel PEPPSI-type N-heterocyclic carbene palladium(II) complexes: Synthesis, characterization, in silico studies and enzyme inhibitory properties against some metabolic enzymes**  
Yiğit B., Taslimi P., BARUT CELEPCİ D., Taskin-Tok T., Yiğit M., AYGÜN M., ÖZDEMİR İ., GÜLÇİN İ.  
Inorganica Chimica Acta, cilt.544, 2023 (SCI-Expanded)
- XIX. **Design, synthesis, spectroscopic characterizations, single crystal X-ray analysis, in vitro xanthine oxidase and acetylcholinesterase inhibitory evaluation as well as in silico evaluation of selenium-based N-heterocyclic carbene compounds**  
Kaya G., Noma S. A. A., Barut Celepçi D., Bayıl I., Taşkin Tok T., Gök Y., Ateş B., Aktaş A., Aygün M., Tezcan B.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.41, sa.21, ss.11728-11747, 2023 (SCI-Expanded)
- XX. **Palladium complexes of PNPN type diiminodiphosphine ligands for the Suzuki C-C coupling reactions**  
TEZCAN B., YILMAZ M. K., Yakali G., AYGÜN M., GÜZEL B.  
INORGANICA CHIMICA ACTA, cilt.543, 2022 (SCI-Expanded)
- XXI. **Unsymmetrical ONO-type pincer complexes of palladium(II) containing amino acid barbiturate derivatives: Synthesis, characterization, and catalytic applications in Suzuki-Miyaura cross-coupling reaction**  
Firinci E., Firinci R., Sevinçek R., Aygun M., Gunay M. E.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.978, 2022 (SCI-Expanded)
- XXII. **Benzimidazolium Salts Containing Trifluoromethoxybenzyl: Synthesis, Characterization, Crystal Structure, Molecular Docking Studies and Enzymes Inhibitory Properties**  
Hamide M., Gök Y., Demir Y., Sevinçek R., Taşkin Tok T., Tezcan B., Aktaş A., Gülçin İ., Aygün M., Güzel B.  
CHEMISTRY & BIODIVERSITY, 2022 (SCI-Expanded)
- XXIII. **Phthalimide-tethered imidazolium salts: Synthesis, characterization, enzyme inhibitory properties, and in silico studies**  
Yiğit M., Demir Y., Barut Celepçi D., Taşkin Tok T., Arinc A., Yiğit B., Aygün M., Özdemir İ., Gülçin İ.  
ARCHIV DER PHARMAZIE, 2022 (SCI-Expanded)
- XXIV. **The palladium-based complexes bearing 1,3-dibenzylbenzimidazolium with morpholine, triphenylphosphine, and pyridine derivate ligands: synthesis, characterization, structure and enzyme inhibitions**  
AKTAŞ A., Yakali G., Demir Y., GÜLÇİN İ., AYGÜN M., GÖK Y.  
HELIYON, cilt.8, sa.9, 2022 (SCI-Expanded)
- XXV. **Synthesis and biological evaluation of Au-NHC complexes**  
Ekinci O., Akkoc M., Khan S., YAŞAR S., GÜRSES C., Noma S., Balcioğlu S., Sen B., AYGÜN M., YILMAZ İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.36, sa.9, 2022 (SCI-Expanded)
- XXVI. **Synthesis, characterization and antimicrobial activity of metal complexes with N,O-bidentate ligand derived from dimedone**  
Firinci R., Firinci E., Poyrazoğlu Çoban E., Sevinçek R., Bıyık H., Aygün M.  
Inorganic Chemistry Communications, cilt.141, 2022 (SCI-Expanded)
- XXVII. **Synthesis, characterization and DFT studies of boron guanidinate compounds**  
Firinci E., SEVİNÇEK R., Firinci R., Soyleyici S., Ceyhan E., AYGÜN M., Sahin Y.  
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.140, 2022 (SCI-Expanded)

- XXVIII. **Benzimidazolium salts bearing the trifluoromethyl group as organofluorine compounds: Synthesis, characterization, crystal structure, in silico study, and inhibitory profiles against acetylcholinesterase and alpha-glycosidase**  
TEZCAN B., GÖK Y., SEVİNÇEK R., Taslimi P., TAŞKIN TOK T., AKTAŞ A., GÜZEL B., AYGÜN M., GÜLÇİN İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.36, sa.4, 2022 (SCI-Expanded)
- XXIX. **Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties**  
Yiğit M., Barut Celepçi D., Taslimi P., Yiğit B., Cetinkaya E., Özdemir İ., Aygün M., Gülçin İ.  
BIOORGANIC CHEMISTRY, cilt.120, 2022 (SCI-Expanded)
- XXX. **Experimental, spectroscopic and theoretical investigation of (+)-(R)-5-[1-(Benzenesulfonamido)-2-phenylethyl]-4-phenethyl-2,4-dihydro-3H-1,2,4-triazole-3-thione**  
Basaran E., DEMİRCİOĞLU Z., TARI G. Ö., CEYLAN Ü., Karakucuk-Iyidogan A., Oruc-Emre E. E., AYGÜN M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1251, 2022 (SCI-Expanded)
- XXXI. **Novel 5-fluorouracil complexes of Zn(II) with pyridine-based ligands as potential anticancer agents**  
İÇSEL YILMAZ C., YILMAZ V. T., AYGÜN M., Erkisa M., ULUKAYA E.  
DALTON TRANSACTIONS, cilt.51, sa.13, ss.5208-5217, 2022 (SCI-Expanded)
- XXXII. **Benzimidazole-functionalized PEPPSI type Pd(II)NHC complexes bearing nitrophenylethyl and hidroxyphenylethyl group: Synthesis, characterization, crystal structure and it's catalytic activity on direct arylation reaction**  
Çağlılar T., Behçet A., Barut Celepçi D., Aktaş A., Gök Y., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1246, 2021 (SCI-Expanded)
- XXXIII. **Cytotoxic and apoptotic effects of 1,2-diborolanes with strong donor substitutes on human cancer cells**  
ŞAHİN Y., ASLANTÜRK Ö. S., ÇELİK T., SEVİNÇEK R., AYGÜN M., METİN K., FIRINCI E., Ozgener H.  
BIOORGANIC CHEMISTRY, cilt.117, 2021 (SCI-Expanded)
- XXXIV. **Design, spectroscopy, quantum chemical study and Hirshfeld analysis of single crystal ferrocene-based boronate ester**  
Ceylan Ü., Yalcin S., Kilic A., Aytar E., AYGÜN M.  
Journal of Molecular Structure, cilt.1243, 2021 (SCI-Expanded)
- XXXV. **A study about excellent xanthine oxidase inhibitory effects of new pyridine salts**  
Yilmaz U., Noma S. A. A., TAŞKIN TOK T., Sen B., GÖK Y., AKTAŞ A., ATEŞ B., AYGÜN M.  
MONATSHEFTE FÜR CHEMIE, cilt.152, sa.10, ss.1251-1260, 2021 (SCI-Expanded)
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Barut Celepçi D., Yiğit B., Yiğit M., Özdemir İ., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1239, 2021 (SCI-Expanded)
- XXXVII. **Silver N-heterocyclic carbene complexes bearing fluorinated benzyl group: Synthesis, characterization, crystal structure, computational studies, and inhibitory properties against some metabolic enzymes**  
BAL S., Demirci O., Sen B., TAŞKIN TOK T., Taslimi P., AKTAŞ A., GÖK Y., AYGÜN M., GÜLÇİN İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.35, sa.9, 2021 (SCI-Expanded)
- XXXVIII. **FAM-Ag-catalyzed asymmetric synthesis of heteroaryl-substituted pyrrolidines**  
Beksltanova N., Gozukara Z., Araz M., Bulut M., POLAT ÇAKIR S., AYGÜN M., DOĞAN Ö.  
CHIRALITY, cilt.33, sa.8, ss.465-478, 2021 (SCI-Expanded)
- XXXIX. **Synthesis, characterization, crystal structure, alpha-glycosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts**  
BAL S., Demirci O., Sen B., Taslimi P., AKTAŞ A., GÖK Y., AYGÜN M., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, cilt.354, sa.5, 2021 (SCI-Expanded)
- XL. **An unprecedeted diterpene with three new neoclerodanes from Teucrium sandrasicum O. Schwarz**  
Aydogan F., Anouar E. H., AYGÜN M., Yusufoglu H., KARAALP C., Bedir E.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1231, 2021 (SCI-Expanded)

- XLI. **PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures, alpha-glycosidase and acetylcholinesterase inhibitory properties**  
BAL S., Demirci O., Sen B., Taslimi P., AKTAŞ A., GÖK Y., AYGÜN M., GÜLÇİN İ.  
POLYHEDRON, cilt.198, 2021 (SCI-Expanded)
- XLII. **1,2-Diborolanes with strong donor substituents: Synthesis and high antimicrobial activity**  
ŞAHİN Y., Coban E. P., SEVİNÇEK R., BIYIK H. H., Ozgener H., Aygun M.  
BIOORGANIC CHEMISTRY, cilt.106, 2021 (SCI-Expanded)
- XLIII. **Supramolecular Orange-Red- and Yellow-Emitting Ir(III) Complexes with TFSI and PF<sub>6</sub> Counteranions and Production of LEC Devices**  
Demir N., Karaman M., Yakali G., GÜLTEKİN B., ARİFİOĞLU T., DENİZALTı S., DEMİC Ş., AYGÜN M., DİNDAR B., CAN M.  
ACS APPLIED ELECTRONIC MATERIALS, cilt.2, sa.11, ss.3549-3561, 2020 (SCI-Expanded)
- XLIV. **Photoluminescence properties of samarium(III)-based complexes: Synthesis, characterization and single crystal X-ray**  
Sarioglu A. O., YALÇIN Ş., CEYLAN Ü., AYGÜN M., Kirpik H., SÖNMEZ M.  
JOURNAL OF LUMINESCENCE, cilt.227, 2020 (SCI-Expanded)
- XLV. **Enthalpy of formation calculations on five -membered azaborolidine derivatives**  
SEVİNÇEK R., AYGÜN M., ŞAHİN Y.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1217, 2020 (SCI-Expanded)
- XLVI. **New manganese(II), iron(II), cobalt(II), nickel(II) and copper(II) saccharinate complexes of 2,6-bis(2-benzimidazolyl)pyridine as potential anticancer agents**  
İÇSEL C., YILMAZ V. T., Aydinlik S., AYGÜN M.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.202, 2020 (SCI-Expanded)
- XLVII. **Neutral cyclic sp(2)-sp(3)and sp(3)-sp(3)diboranes from N, N '-dicyclohexylcarbodiimide insertion into 1,2-dichlorodiboranes(4)**  
FIRINCI E., FIRINCI R., SEVİNÇEK R., AYGÜN M., ŞAHİN Y.  
CHEMICAL COMMUNICATIONS, cilt.56, sa.68, ss.9807-9810, 2020 (SCI-Expanded)
- XLVIII. **Zn(ii), Cd(ii) and Hg(ii) saccharinate complexes with 2,6-bis(2-benzimidazolyl)pyridine as promising anticancer agents in breast and lung cancer cell lines via ROS-induced apoptosis**  
İÇSEL C., YILMAZ V. T., Aydinlik S., AYGÜN M.  
DALTON TRANSACTIONS, cilt.49, sa.23, ss.7842-7851, 2020 (SCI-Expanded)
- XLIX. **Trans-Pd/Pt(II) saccharinate complexes with a phosphine ligand: Synthesis, cytotoxicity and structure-activity relationship**  
İÇSEL C., YILMAZ V. T., AYGÜN M., ULUKAYA E.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, cilt.30, sa.9, 2020 (SCI-Expanded)
- L. **Cytotoxic platinum(II) complexes derived from saccharinate and phosphine ligands: synthesis, structures, DNA cleavage, and oxidative stress-induced apoptosis**  
İÇSEL C., YILMAZ V. T., Cevatemre B., AYGÜN M., ULUKAYA E.  
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, cilt.25, sa.1, ss.75-87, 2020 (SCI-Expanded)
- LI. **Synthesis, structures and catalytic activity of Pd(II) saccharinate complexes with monophosphines in direct arylation of five-membered heteroarenes with aryl bromides**  
YILMAZ V. T., İÇSEL C., Turgut O. R., AYGÜN M., Evren E., ÖZDEMİR İ.  
INORGANICA CHIMICA ACTA, cilt.500, 2020 (SCI-Expanded)
- LII. **Synthesis and structures of 1,3,2,4,5-diazatriborolidines**  
FIRINCI E., SEVİNÇEK R., Bursali B., Ozgener H., Burgaz O., Sen C., AYGÜN M., ŞAHİN Y.  
INORGANICA CHIMICA ACTA, cilt.496, 2019 (SCI-Expanded)
- LIII. **Platinum (II) N-heterocyclic carbene complexes: Synthesis, characterization and cytotoxic properties**  
KARACA E. Ö., ÇİFTÇİ O., ÖZDEMİR İ., Yakali G., AYGÜN M., GÜRBÜZ N., ÖZDEMİR İ.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.33, sa.7, 2019 (SCI-Expanded)
- LIV. **Structures and anticancer activity of chlorido platinum(II) saccharinate complexes with mono- and dialkylphenylphosphines**

- İÇSEL C., YILMAZ V. T., Cevatemre B., AYGÜN M., ULUKAYA E.  
JOURNAL OF INORGANIC BIOCHEMISTRY, cilt.195, ss.39-50, 2019 (SCI-Expanded)
- LV. Eu(III) and Tb(III) complexes of 1,3-bis(4-chlorophenyl)-1,3-propanedione combined with phenanthroline ligand: synthesis, structural characterization, and thermogravimetric studies  
Sarıoglu A. O., SÖNMEZ M., YALÇIN Ş., CEYLAN Ü., AYGÜN M.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.72, ss.1108-1118, 2019 (SCI-Expanded)
- LVI. Synthesis of Fe and Cu metal complexes derived from 'SNS' Pincer type ligands and their efficient catalyst precursors for the chemical fixation of  
SOĞUKÖMEROĞULLARI H. G., YALÇIN Ş., CEYLAN Ü., AYTAR E., AYGÜN M., Richeson D. S., SÖNMEZ M.  
JOURNAL OF CHEMICAL SCIENCES, cilt.131, sa.4, 2019 (SCI-Expanded)
- LVII. Mixed phosphine/N-heterocyclic carbene-palladium complexes: synthesis, characterization, crystal structure and application in the Sonogashira reaction in aqueous media  
AKTAŞ A., Erdemir F., BARUT CELEPCİ D., GÖK Y., AYGÜN M.  
TRANSITION METAL CHEMISTRY, cilt.44, sa.3, ss.229-236, 2019 (SCI-Expanded)
- LVIII. Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties  
Aktaş A., Barut Celepçi D., Kaya R., Taslimi P., Gök Y., Aygün M., Gülçin İ.  
POLYHEDRON, cilt.159, ss.345-354, 2019 (SCI-Expanded)
- LIX. Synthesis and Structural Characterization of Two Novel Copper(II) Schiff Base Complexes and their Water-Containing Supramolecular Structures  
Barut Celepçi D., Korkmaz N., Astley S. T., Aygun M.  
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.60, sa.1, ss.151-158, 2019 (SCI-Expanded)
- LX. A series of 1-D zinc(II) coordination polymers with 3-D supramolecular networks: synthesis, structural investigation, and NBO analysis  
Zahedi M., Shaabani B., Radyousefnia N., Englert U., Blake G. R., AYGÜN M.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, sa.24, ss.4031-4046, 2018 (SCI-Expanded)
- LXI. Synthesis, Structure and Photoluminescence Performance of a New Er<sup>3+</sup>-Cluster-Based 2D Coordination Polymer  
ERKARSLAN U., DÖNMEZ A., Kara H., AYGÜN M., COBAN M. B.  
JOURNAL OF CLUSTER SCIENCE, cilt.29, sa.6, ss.1177-1183, 2018 (SCI-Expanded)
- LXII. 2-Hydroxyethyl-Substituted (NHC)Pd(II)PPh<sub>3</sub> Complexes: Synthesis, Characterization, Crystal Structure and Its Application on Sonogashira Cross-Coupling Reactions in Aqueous Media  
Aktaş A., Barut Celepçi D., Gök Y., Aygün M.  
CHEMISTRYSELECT, cilt.3, sa.39, ss.10932-10937, 2018 (SCI-Expanded)
- LXIII. Cd(II) and Cu(II) coordination polymers constructed from the expanded 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene ligand: conventional and ultrasound-assisted synthesis, crystal structure, luminescence and magnetic properties  
Rad-Yousefnia N., Shaabani B., Zahedi M., Kubicki M., AYGÜN M., Lloret F., Julve M., Grzeskiewicz A. M., Zakerhamidi M. S., KAZAK C.  
NEW JOURNAL OF CHEMISTRY, cilt.42, sa.19, ss.15860-15870, 2018 (SCI-Expanded)
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YILMAZ V. T., İÇSEL C., AYGÜN M., Erkisa M., ULUKAYA E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.158, ss.534-547, 2018 (SCI-Expanded)
- LXV. Synthesis, characterization and crystal structure of 2-(4-hydroxyphenyl)ethyl and 2-(4-nitrophenyl)ethyl Substituted Benzimidazole Bromide Salts: Their inhibitory properties against carbonic anhydrase and acetylcholinesterase  
Behcet A., Caglilar T., Barut Celepçi D., Aktaş A., Taslimi P., Gök Y., Aygün M., Kaya R., Gülçin İ.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1170, ss.160-169, 2018 (SCI-Expanded)
- LXVI. 2-Hydroxyethyl-Substituted Pd-PEPPSI Complexes: Synthesis, Characterization and the Catalytic Activity in the Suzuki-Miyaura Reaction for Aryl Chlorides in Aqueous Media

- Aktaş A., Barut Celepçi D., Gök Y., Aygün M.  
CHEMISTRYSELECT, cilt.3, sa.35, ss.9974-9980, 2018 (SCI-Expanded)
- LXVII. **Palladium(II) and platinum(II) saccharinate complexes with bis(diphenylphosphino)methane/ethane: synthesis, S-phase arrest and ROS-mediated apoptosis in human colon cancer cells**  
İÇSEL C., YILMAZ V. T., AYGÜN M., Cevatemre B., Alper P., ULUKAYA E.  
DALTON TRANSACTIONS, cilt.47, sa.33, ss.11397-11410, 2018 (SCI-Expanded)
- LXVIII. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**  
BARUT CELEPCİ D., AKTAŞ A., GÖK Y., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.74, 2018 (SCI-Expanded)
- LXIX. **Molecular and crystal structure analysis of two new Oxazol-5-One derivatives**  
Izmirli M., Nazli I. H., TOPKAYA TAŞKIRAN D., ALP S., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.74, 2018 (SCI-Expanded)
- LXX. **Structural determination of biological active N-phenyl-2-phthalimidoethanesulfonamide derivatives**  
Aygün M., Sevinçek R., Barut Celepçi D., Akgül Ö.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.74, 2018 (SCI-Expanded)
- LXXI. **Synthesis, structures and anticancer potentials of platinum(II) saccharinate complexes of tertiary phosphines with phenyl and cyclohexyl groups targeting mitochondria and DNA**  
YILMAZ V. T., İÇSEL C., Turgut O. R., AYGÜN M., Erkisa M., TÜRKDEMİR M. H., ULUKAYA E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.155, ss.609-622, 2018 (SCI-Expanded)
- LXXII. **Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydroadiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors**  
Yiğit B., Yiğit M., Barut Celepçi D., Gök Y., Aktaş A., Aygün M., Taslimi P., Gülcin İ.  
CHEMISTRYSELECT, cilt.3, sa.27, ss.7976-7982, 2018 (SCI-Expanded)
- LXXIII. **meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**  
Turker F., Barut Celepçi D., Aktaş A., Taslimi P., Gök Y., Aygün M., Gülcin İ.  
ARCHIV DER PHARMAZIE, cilt.351, sa.7, 2018 (SCI-Expanded)
- LXXIV. **New air stable diarylamino substituted diborane(4) derivatives: Synthesis and structures**  
Barut Celepçi D., Sepin E., Gokcen Y., Aygün M., Şahin Y.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, cilt.668, sa.1, ss.91-104, 2018 (SCI-Expanded)
- LXXV. **Coumarin-naphthohydrazone ligand with a rare coordination mode to form Mn(II) and Co(II) 1-D coordination polymers: synthesis, characterization, and crystal structure**  
Bikas R., Farzaneh-Bonab H., Noshiranzadeh N., AYGÜN M., Emami M., Lis T.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, sa.8, ss.1127-1146, 2018 (SCI-Expanded)
- LXXVI. **2-Morpholinoethyl-substituted N-heterocyclic carbene (NHC) precursors and their silver(I)NHC complexes: synthesis, crystal structure and in vitro anticancer properties**  
AKTAŞ A., Kelestemur U., GÖK Y., Balcioglu S., ATEŞ B., AYGÜN M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.15, sa.1, ss.131-139, 2018 (SCI-Expanded)
- LXXVII. **Substituent position effect on the crystal structures of N-phenyl-2-phthalimidoethanesulfonamide derivatives**  
Sevinçek R., Barut Celepçi D., Koca S. K., Akgül Ö., Aygun M.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.74, ss.31-54, 2018 (SCI-Expanded)
- LXXVIII. **Construction of one dimensional Co(II) and Zn( II) coordination polymers based on expanded N, N '-donor ligands**  
Zahedi M., Shaabani B., AYGÜN M., KAZAK C.  
INORGANICA CHIMICA ACTA, cilt.469, ss.461-468, 2018 (SCI-Expanded)
- LXXIX. **Spectroscopic, Structural and Density Functional Theory (DFT) Studies of Two Oxazol-5-one Derivatives**

- Nazlı I. H., BARUT CELEPCİ D., Yakalı G., TOPKAYA TAŞKIRAN D., AYGÜN M., ALP S.  
 ACTA CHIMICA SLOVENICA, cilt.65, sa.1, ss.86-96, 2018 (SCI-Expanded)
- LXXX. **Ferromagnetic interactions in new double end-on-azide-bridged dinuclear Ni(II) complex: Synthesis, crystal structures, magnetic and photoluminescence properties**  
 DÖNMEZ A., OYLUMLUOĞLU G., ÇOBAN M. B., KOÇAK Ç., AYGÜN M., Kara H.  
 JOURNAL OF MOLECULAR STRUCTURE, cilt.1149, ss.569-575, 2017 (SCI-Expanded)
- LXXXI. **Carboxylate ion dependency in the Cu(II) catalysed asymmetric Henry reaction: Structural characterisation of a tridentate Schiff base complex containing a coordinated carboxylic acid**  
 Akinci A., Barut Celepçi D., Alkan L., Korkmaz N., Aygün M., Astley S. T.  
 APPLIED ORGANOMETALLIC CHEMISTRY, cilt.31, sa.12, 2017 (SCI-Expanded)
- LXXXII. **Synthesis, characterization, crystal structure, and antimicrobial studies of 2-morpholinoethyl-substituted benzimidazolium salts and their silver(I)-N-heterocyclic carbene complexes**  
 Yıldırım I., Aktaş A., Barut Celepçi D., Kirbağ S., Kutlu T., Gök Y., Aygün M.  
 RESEARCH ON CHEMICAL INTERMEDIATES, cilt.43, sa.11, ss.6379-6393, 2017 (SCI-Expanded)
- LXXXIII. **2-and 1-D coordination polymers of Dy(III) and Ho(III) with near infrared and visible luminescence by efficient charge-transfer antenna ligand**  
 OYLUMLUOĞLU G., ÇOBAN M. B., KOÇAK Ç., AYGÜN M., Kara H.  
 JOURNAL OF MOLECULAR STRUCTURE, cilt.1146, ss.356-364, 2017 (SCI-Expanded)
- LXXXIV. **Structures and biochemical evaluation of silver(I) 5,5-diethylbarbiturate complexes with bis(diphenylphosphino)alkanes as potential antimicrobial and anticancer agents**  
 YILMAZ V. T., İÇSEL C., Batur J., Aydinlik S., Sahinturk P., AYGÜN M.  
 EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.139, ss.901-916, 2017 (SCI-Expanded)
- LXXXV. **Synthesis, Characterization and Crystal Structure of New 2-Morpholinoethyl-Substituted Bis-(NHC)Pd(II) Complexes and the Catalytic Activity in the Direct Arylation Reaction**  
 Sarı Y., Aktaş A., Barut Celepçi D., Gök Y., Aygün M.  
 CATALYSIS LETTERS, cilt.147, sa.9, ss.2340-2351, 2017 (SCI-Expanded)
- LXXXVI. **Synthesis, structures, DNA/protein binding, molecular docking, anticancer activity and ROS generation of Ni(II), Cu(II) and Zn(II) 5,5-diethylbarbiturate complexes with bis(2-pyridylmethyl) amine and terpyridine**  
 YILMAZ V. T., İÇSEL C., Suyunova F., AYGÜN M., Cevatemre B., Ulukaya E.  
 NEW JOURNAL OF CHEMISTRY, cilt.41, sa.16, ss.8092-8106, 2017 (SCI-Expanded)
- LXXXVII. **X-ray diffraction, spectroscopic and DFT studies on nickel(II)-triphenylphosphine complexes of 2-hydroxyacetophenone thiosemicarbazones**  
 Kılıç-Cikla I., GÜVELİ Ş., Bal-Demirci T., AYGÜN M., ÜLKÜSEVEN B., YAVUZ M.  
 POLYHEDRON, cilt.130, ss.1-12, 2017 (SCI-Expanded)
- LXXXVIII. **Spiro copper(II)-metallacycles derived from 5-arylaminoethylene-barbituric acids: Synthesis and structural characterization**  
 Firinci E., Gizoğlu E., Barut Celepçi D., Söyleyici H. C., Aygün M.  
 JOURNAL OF MOLECULAR STRUCTURE, cilt.1137, ss.113-118, 2017 (SCI-Expanded)
- LXXXIX. **Vibrational spectroscopic and thermo dynamical property studies, Fukui functions, HOMO-LUMO, NLO, NBO and crystal structure analysis of a new Schiff base bearing phenoxy-imine group**  
 CEYLAN Ü., ÇAPAN A., YALÇIN Ş., SÖNMEZ M., AYGÜN M.  
 JOURNAL OF MOLECULAR STRUCTURE, cilt.1136, ss.222-230, 2017 (SCI-Expanded)
- XC. **Crystal structure and photoluminescence properties of a new monomeric copper(II) complex: bis(3-{[(3-hydroxypropyl) imino] methyl}-4-nitro-phenolato-kappa O-3, N, O') copper(II)**  
 KOÇAK Ç., OYLUMLUOĞLU G., DÖNMEZ A., ÇOBAN M. B., ERKARSLAN U., AYGÜN M., Kara H.  
 ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.73, ss.414-423, 2017 (SCI-Expanded)
- XCI. **Synthesis, spectroscopic and X-ray structural characterization, quantum chemical studies and investigation of gamma-irradiated effects of the novel hydrazone compound: [(E)-3-(2-nitrophenyl)-(E)-1-(2-phenylhydrazone)]-1-phenylallylidene**  
 Yakalı G., Cakıcı A., EKE C., TURGUT CİN G., AYGÜN M.

- JOURNAL OF MOLECULAR STRUCTURE, cilt.1134, ss.244-252, 2017 (SCI-Expanded)
- XCII. **STRONG HYDROGEN BONDED SUPRAMOLECULAR ARCHITECTURE IN A CRYSTAL OF THE {3-[2-(1,3-BENZODIOXOL-5-YL)-7-METHOXY-1-BENZOFURAN-5-YL] PROPYL} DIETHYLAMINE CATION WITH THE HYDROGEN BONDED CHLORIDE HYDRATE ANION (HALIDES) ASSEMBLY: X-RAY STRUCTURE, DFT CALCULATIONS, HIRSHFELD SURFACE ANALYSIS**  
Yakali G., Ozturk S. E., Aygun M.  
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.58, sa.2, ss.304-314, 2017 (SCI-Expanded)
- XCIII. **Mono 1,4-diaza-2,3-diborinane and bicyclic species: Synthesis and structures**  
Uyanik S., SÖYLEYİCİ H. C., Gokce A. G., FIRINCI E., Burgaz O., AYGÜN M., Sahin Y.  
POLYHEDRON, cilt.123, ss.145-151, 2017 (SCI-Expanded)
- XCIV. **Magnetic properties and sensitized visible and NIR luminescence of Dy-III and Eu-III coordination polymers by energy transfer antenna ligands**  
ÇOBAN M. B., KOÇAK Ç., KARA SUBAŞAT H., AYGÜN M., Amjad A.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, cilt.648, sa.1, ss.202-215, 2017 (SCI-Expanded)
- XCV. **Sensitization of Ho-III and Sm-III luminescence by efficient energy transfer from antenna ligands: Magnetic, visible and NIR photoluminescence properties of Gd-III, Ho-III and Sm-III coordination polymers**  
ÇOBAN M. B., Amjad A., AYGÜN M., KARA SUBAŞAT H.  
INORGANICA CHIMICA ACTA, cilt.455, ss.25-33, 2017 (SCI-Expanded)
- XCVI. **SYNTHESIS AND X-RAY STRUCTURAL CHARACTERIZATION OF 1-(5-BROMOBENZOFURAN-2-YL)-2MESITYLETHANONEOXIME AND 1-(5-BROMOBENZOFURAN-2-YL)-2-MESITYLETHANONE-O(2-PHENYLACETYL)OXIME**  
Yakali G., Barim E., KIRILMIŞ C., AYGÜN M.  
JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, cilt.61, sa.3, ss.3140-3143, 2016 (SCI-Expanded)
- XCVII. **Synthesis of a new ONNO donor tetradeятate schiff base ligand and binuclear Cu(II) complex: Quantum chemical, spectroscopic and photoluminescence investigations**  
Sarioglu A. O., CEYLAN Ü., YALÇIN Ş., SÖNMEZ M., CEYHAN G., AYGÜN M.  
JOURNAL OF LUMINESCENCE, cilt.176, ss.193-201, 2016 (SCI-Expanded)
- XCVIII. **Hydrothermal synthesis, crystal structure and Photoluminescent properties; 3D Holmium(III) coordination polymer**  
ÇOBAN M. B., ERKARSLAN U., OYLUMLUOĞLU G., AYGÜN M., Kara H.  
INORGANICA CHIMICA ACTA, cilt.447, ss.87-91, 2016 (SCI-Expanded)
- XCIX. **Crystal structure and photoluminescence properties of a new Cd-II coordination polymer catena-poly[bis[4-bromo-2-({[2-(pyrrolidin-1-yl)ethyl]imino}methyl)phenolato-kappa N-3,N',O]di-mu(3)-chlorido-di-mu(2)-chlorido-bis(methanol-kappa O)tricadmium(II)]**  
Yahsi Y., Ozbek H., AYGÜN M., KARA SUBAŞAT H.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.72, ss.426-436, 2016 (SCI-Expanded)
- C. **Synthesis, molecular structure and spectroscopic characterization of (E)-1-((2-hydroxynaphthalen-1-yl) methyleneamino)-5-(4-methoxybenzoyl)-4-(4-methoxyphenyl) pyrimidine-2(1H)-one with experimental techniques and theoretical calculations**  
CEYLAN Ü., Haciysufoglu M. E., Yalcinc S. P., SÖNMEZ M., AYGÜN M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1109, ss.209-219, 2016 (SCI-Expanded)
- CI. **Synthesis, structural characterization, and DFT calculations of 3-butyl-4-(3-methyl-3-mesitylcyclobut-1-yl)-1,3-thiazole-2(3H)-thione**  
Sen B., Barim E., Kirilmis C., Aygun M.  
CRYSTALLOGRAPHY REPORTS, cilt.61, sa.2, ss.243-248, 2016 (SCI-Expanded)
- CII. **Barbiturate bearing aroylhydrazine derivatives: Synthesis, NMR investigations, single crystal X-ray studies and biological activity**  
GİZIROĞLU E., Sarikurkcı C., AYGÜN M., BAŞBÜLBÜL G., SÖYLEYİCİ H. C., FIRINCI E., KIRKAN B., Alkis A., Saylica T., Biyik H.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1108, ss.325-333, 2016 (SCI-Expanded)

- CIII. **Ni(II)/Cu(II)/Zn(II) 5,5-diethylbarbiturate complexes with 1,10-phenanthroline and 2,2'-dipyridylamine: synthesis, structures, DNA/BSA binding, nuclease activity, molecular docking, cellular uptake, cytotoxicity and the mode of cell death**  
YILMAZ V. T., İÇSEL C., Suyunova F., AYGÜN M., Aztopal N., Ulukaya E.  
DALTON TRANSACTIONS, cilt.45, sa.25, ss.10466-10479, 2016 (SCI-Expanded)
- CIV. **Crystal structure of 3-benzyl-4-(3-methyl-3-phenylcyclobut-1-yl)-1,3-thiazole-2(3H)-thione**  
Şen B., Barim E., Kirilmis C., Aygün M.  
Asian Journal of Chemistry, cilt.28, sa.3, ss.631-633, 2016 (SCI-Expanded)
- CV. **Corrigendum to "synthesis and structures of monocyclic 1,4-diaza-2,3-diborine species" [Inorganic Chemistry Communications 61 (2015) 214-216]**  
Can Söyleyici H., Uyanık S., Sevinçek R., Firinci E., Bursali B., Burgaz O., Aygün M., Şahin Y.  
INORGANIC CHEMISTRY COMMUNICATION, cilt.64, ss.74-75, 2016 (SCI-Expanded)
- CVI. **Synthesis, spectroscopic characterization and DFT calculations of N-Methyl-2-(2'-hydroxyphenyl)benzimidazole derivatives**  
Saral H., ÖZDAMAR Ö., UÇAR İ., Bekdemir Y., AYGÜN M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1103, ss.9-19, 2016 (SCI-Expanded)
- CVII. **Synthesis and structures of monocyclic 1,4-diaza-2,3-diborine species**  
SÖYLEYİCİ H. C., Uyanık S., SEVİNÇEK R., FIRİNÇİ E., Bursali B., Burgaz O., AYGÜN M., ŞAHİN Y.  
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.61, ss.214-216, 2015 (SCI-Expanded)
- CVIII. **Synthesis, structural, spectral (FT-IR, H-1 and C-13 NMR and UV-Vis), NBO and first order hyperpolarizability analysis of N-(4-nitrophenyl)-2,2-dibenzoylacetamide by density functional theory**  
YALÇIN Ş., CEYLAN Ü., Sarioglu A. O., SÖNMEZ M., AYGÜN M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1098, ss.400-407, 2015 (SCI-Expanded)
- CIX. **Positional isomeric effect on the crystallization of chlorine-substituted N-phenyl-2-phthalimidoethanesulfonamide derivatives**  
Koca S. K., SEVİNÇEK R., AKGÜL Ö., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.71, ss.839-856, 2015 (SCI-Expanded)
- CX. **Palladium-catalyzed alkoxycarbonylation of conjugated enyne oxiranes: A diastereoselective method for the synthesis of 7-hydroxy-2,3,5-trienoates**  
Kuş M., Artok L., AYGÜN M.  
Journal of Organic Chemistry, cilt.80, sa.11, ss.5494-5506, 2015 (SCI-Expanded)
- CXI. **Synthesis, X-ray Structural and Thermal Analysis of a Novel Copper Compound Containing Dissymmetric Independent 5-and 6-coordinate CuL(H<sub>2</sub>O)(n) (n=2, 3) Units and Hydrogen bond Bridges**  
Barut Celepçi D., Korkmaz N., Astley S. T., Aygün M.  
ACTA CHIMICA SLOVENICA, cilt.62, sa.1, ss.88-94, 2015 (SCI-Expanded)
- CXII. **Resorcinarene-mono-benzimidazolium salts as NHC ligands for Suzuki-Miyaura cross-couplings catalysts**  
İşçi Ü., Aygün M., Sevinçek R., Zorlu Y., Dumoulin F.  
TURKISH JOURNAL OF CHEMISTRY, cilt.39, sa.6, ss.1300-1310, 2015 (SCI-Expanded)
- CXIII. **Crystallographic analysis of iridium(I) N-heterocyclic carbene complexes of benzimidazol-2-ylidene Izmirli M., Gokce A. G., Gülcemal S., Aygün M.**  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.71, 2015 (SCI-Expanded)
- CXIV. **X-ray structural analysis and catalytic properties of new thiazoline carboxylate ruthenium complexes**  
Sen B., DENİZALTI S., Gokce A. G., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.71, 2015 (SCI-Expanded)
- CXV. **Crystal structure determination of four new copper (II) complexes containing ono type Schiff base ligands**  
BARUT CELEPCİ D., Korkmaz N., ASTLEY S. T., AYGÜN M.

- ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.71, 2015 (SCI-Expanded)
- CXVI. **Molecular and crystal structures of hydroxyl and ester functionalized N-heterocyclic carbene complexes of iridium(I)**  
Izmirli M., Gokce A. G., GÜLCEMAL D., GÜLCEMAL S., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.71, 2015 (SCI-Expanded)
- CXVII. **Synthesis, molecular structure and spectroscopic characterization of N-(4-nitrophenyl)-2,2-dibenzoylacacetamide (NPDBA): with experimental (X-Ray, FT-IR, <sup>1</sup>H and <sup>13</sup>C-NMR and UV-Vis) techniques and theoretical calculations**  
Yalçın Ş., Yalçın Ş., Ceylan U., Sarıoglu A. O., Sönmez M., Aygün M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.71, 2015 (SCI-Expanded)
- CXVIII. **Synthesis, characterization and antioxidant activity of new dibasic tridentate ligands: X-ray crystal structures of DMSO adducts of 1,3-dimethyl-5-acetyl-barbituric acid o-hydroxybenzoyl hydrazone copper(II) complex**  
GİZIROĞLU E., AYGÜN M., Sarıkurku C., Kazar D., Orhan N., FIRİNÇİ E., SÖYLEYİCİ H. C., Gökçen C.  
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.36, ss.199-205, 2013 (SCI-Expanded)
- CXIX. **Tuning Photoinduced Intramolecular Electron Transfer by Electron Accepting and Donating Substituents in Oxazolones**  
Ozturk G., Karabiyik H., Aygün M., Alp S., Ozcelik S.  
JOURNAL OF FLUORESCENCE, cilt.23, sa.4, ss.733-744, 2013 (SCI-Expanded)
- CXX. **Supramolecular chirality-sensing DNA-mimicry of a norbornane derivative decorated with isoxazoline and methylpyrrolidine-2,5-dione ring**  
Yakali G., KARABIYIK H., KARABIYIK H., GÖKSU G., AYGÜN M., Ocal N., Garcia-Granda S.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1041, ss.164-174, 2013 (SCI-Expanded)
- CXXI. **New phosphine oxide aziridinyl phosphonates as chiral Lewis bases for the Abramov-type phosphorylation of aldehydes**  
DOĞAN Ö., Isci M., AYGÜN M.  
TETRAHEDRON-ASYMMETRY, cilt.24, ss.562-567, 2013 (SCI-Expanded)
- CXXII. **2-(2-Fluoro-4-hydroxy-benzyl)isoindoline-1,3-dione**  
Vesek H., Kazak C., Alaman Aar A., Gümü S., AYGÜN M.  
Acta Crystallographica Section E: Structure Reports Online, cilt.68, sa.8, 2012 (SCI-Expanded)
- CXXIII. **Crystal Structure and Conformational Analysis of 4-[(p-N,N-Dimethylamino)Benzylidene]-2-Phenyloxazole-5-One**  
SEVİNÇEK R., AYGÜN M., ALP S., KAZAK C.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.41, sa.8, ss.1140-1144, 2011 (SCI-Expanded)
- CXXIV. **Aromaticity balance, pi-electron cooperativity and H-bonding properties in tautomerism of salicylideneaniline: the quantum theory of atoms in molecules (QTAIM) approach**  
KARABIYIK H., SEVİNÇEK R., Petek H., AYGÜN M.  
JOURNAL OF MOLECULAR MODELING, cilt.17, sa.6, ss.1295-1309, 2011 (SCI-Expanded)
- CXXV. **STRUCTURAL AND PHOTOPHYSICAL CHARACTERIZATION, TOPOLOGICAL AND CONFORMATIONAL ANALYSIS OF 2-o-TOLYL-4-(3-N,N-DIMETHYLAMINOPHENYL METHYLENE)-OXAZOL-5-ONE**  
Sevincek R., Ozturk G., Aygun M., ALP S., Buyukgungor O.  
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.52, sa.2, ss.405-411, 2011 (SCI-Expanded)
- CXXVI. **Synthesis and structural characterization of two new isoindol derivatives**  
Yakaly G., BARUT CELEPCİ D., Granada Santiago G., BÜYÜKGÜNGÖR O., Ocal N., Gokce M., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.67, 2011 (SCI-Expanded)
- CXXVII. **Structural and computational analysis of 3,6-dioctyloxiphenyl-2,5-dimethyl-1,4-diketopyrrolo[3,4-c]pyrrole-1,4-dione**  
Sen B., SEVİNÇEK R., Celik S., AYGÜN M., ALP S.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, cilt.67, 2011 (SCI-Expanded)
- CXXVIII. **2,5-Dihexyl-3,6-diphenylpyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione**  
SEVİNÇEK R., Celik S., AYGÜN M., ALP S., IŞIK Ş.

- ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.66, 2010 (SCI-Expanded)
- CXXIX. **Ligand-to-Metal Charge Transfer Resulting in Metalloaromaticity of [R,R-Cyclohexyl-1,2-bis(2-Oxidonaphthylideneiminato-N,N',O,O')]Cu(II): A Scrutinized Structural Investigation**  
KARABIYIK H., ERDEM YILMAZ Ö., AYGÜN M., GÜZEL B., Garcia-Granda S.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, cilt.20, sa.1, ss.142-151, 2010 (SCI-Expanded)
- CXXX. **A highly novel dinickel complex: A hydrogen-bonded anti-skew carboxylate bridge and a 2D supramolecular structure**  
Korkmaz N., Gokce A. G., ASTLEY S. T., AYGÜN M., ASTLEY D., BÜYÜKGÜNGÖR O.  
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.12, sa.12, ss.1204-1208, 2009 (SCI-Expanded)
- CXXXI. **Supramolecular Architecture in the 1:1 Co-Crystallization of 6,7-Dimethoxy-2-methyl-4-phenylisoquinolinium Cation with Perchlorate Anion**  
KARABIYIK H., Goekce A. G., COŞKUN N., AYGÜN M., Kizilkusak Y. T.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.39, sa.4, ss.279-284, 2009 (SCI-Expanded)
- CXXXII. **Crystal Structure and Conformational Analysis of 4-[(p-N,N-Dimethylamino) benzylidene]-2-(3,5-dinitrophenyl)oxazole-5-one**  
SEVİNÇEK R., Ozturk G., AYGÜN M., Yavuz Ergun M. Y., ALP S., BÜYÜKGÜNGÖR O.  
SPECTROSCOPY LETTERS, cilt.42, sa.1, ss.1-6, 2009 (SCI-Expanded)
- CXXXIII. **Preparation and crystal structure of binuclear chloro{6-[[chloro(triphenylphosphine)platinum] (mesitylimino)methyl]pyridin-2-yl}bis(triphenylphosphine)platinum(II)**  
Gunay M. E., DAYAN O., Gokce A. G., AYGÜN M., Cetinkaya B., BÜYÜKGÜNGÖR O.  
POLYHEDRON, cilt.27, sa.18, ss.3607-3610, 2008 (SCI-Expanded)
- CXXXIV. **Co(II) and Cu(II) Schiff base complexes of bis(N-(4-diethylamino-2-methylphenyl)-3,5-di-tert-butylsalicylaldimine): Electrochemical and X-ray structural study**  
Ulusoy M., KARABIYIK H., KILINÇARSLAN R., AYGÜN M., Cetinkaya B., Garcia-Granda S.  
STRUCTURAL CHEMISTRY, cilt.19, sa.5, ss.749-755, 2008 (SCI-Expanded)
- CXXXV. **N-methyl-N-phenylaminomethyl 2-naphthyl ketone: an X-ray diffraction and density functional theory study**  
KARABIYIK H., DOĞRUYOL S., AYGÜN M., ARSU N., BÜYÜKGÜNGÖR O.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.64, 2008 (SCI-Expanded)
- CXXXVI. **1,3-Di-3-pyridyl-2,3-dihydro-1H-naphth[1,2-e] [1,3]oxazine**  
Sen B., TURGUT Z., Pelit E., AYGÜN M.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.64, 2008 (SCI-Expanded)
- CXXXVII. **Synthesis and structural characterization of Palladium(II) complex bearing N-Heterocyclic Carbene**  
Gokce A. G., TÜRKmen H., AYGÜN M., Cetinkaya B., Buyuekgungor O.  
STRUCTURAL CHEMISTRY, cilt.19, sa.1, ss.57-62, 2008 (SCI-Expanded)
- CXXXVIII. **Supramolecular structure of racemic 5-hydroxy-4-(4-methoxyphenyl)-10-oxa-4-azatricyclo[5.2.1.0(2,6)]dec-8-en-3-one**  
Goekce A. G., ÇELİK C., Ayguen M., Ocal N., BÜYÜKGÜNGÖR O.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.64, 2008 (SCI-Expanded)
- CXXXIX. **The 1 : 1 co-crystallization of enantiomers of an arene-tethered and ortho-metallated N-heterocyclic carbene ruthenium(II) half-sandwich complex: Synthesis, structural characterization and theoretical study**  
KARABIYIK H., KILINÇARSLAN R., AYGÜN M., Cetinkaya B., Gardia-Granda S.  
SOLID STATE SCIENCES, cilt.10, sa.1, ss.104-113, 2008 (SCI-Expanded)
- CXL. **Structural characterization of N,N '-bis(2-methoxyethyl)-4,5-bis(2,4,6-trimethylphenyl)imidazolinium hexafluorophosphate**  
KARABIYIK H., KILINÇARSLAN R., AYGÜN M., Cetinkaya B., Garcia-Granda S.  
STRUCTURAL CHEMISTRY, cilt.18, sa.6, ss.1011-1016, 2007 (SCI-Expanded)
- CXLI. **Synthesis and structural characterization of trans-bis[1,3-bis(methoxyethyl)-4,5-bis(2,4,6-trimethylphenyl)imidazolidin-2-ylidene]dichloro-palladium(II)**

- Gokce A. G., Kilincarslan R., AYGÜN M., Cetinkaya B., Garcia-Granda S.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.62, sa.11, ss.1353-1357, 2007 (SCI-Expanded)
- CXLII. ***trans-[1,3-bis(2,4,6-trimethylphenyl)-imidazolidin-2-ylidene]dichlorido-(triphenylphosphine-kappa P)palladium(II)***  
Sevincer R., Turkmen H., Aygun M., Cetinkaya B., Garcia-Granda S.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.63, 2007 (SCI-Expanded)
- CXLIII. ***2-Methoxy-4-[(5-oxo-2-phenyl-4,5-dihydro-1,3-oxazol-4-ylidene)methyl]-phenyl 4-methylbenzenesulfonate***  
Sen B., Ozturk G., ALP S., Aygun M., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.63, 2007 (SCI-Expanded)
- CXLIV. ***The synthesis and structural characterization of a N-heterocyclic carbene-substituted palladacycle***  
Gokce A. G., Gunay M. E., Aygun M., Cetinkaya B., Buyukgungor O.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.60, ss.805-813, 2007 (SCI-Expanded)
- CXLV. ***1-((E)-{(1R,2R)-2-[(E)-(2-hydroxy-1-naphthyl)methyleneamino]cyclohexyl}iminiomethyl)naphthalen-2-o late : a Schiff base compound having both OH and NH character***  
KARABIYIK H., GÜZEL B., Aygun M., Boga G., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.63, 2007 (SCI-Expanded)
- CXLVI. ***Synthesis and structural characterization of two novel N-heterocyclic carbene complexes of Rh(I)***  
KARABIYIK H., Kilincarslan R., Aygun M., Cetinkaya B., Buyukgungor O.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.60, sa.4, ss.393-399, 2007 (SCI-Expanded)
- CXLVII. ***trans-Bis[1-benzyl-3-(2,3,4,5,6-pentafluorobenzyl)benzimidazol-2-ylidene] dibromopalladium(II)***  
Gokce A. G., GÜLCEMAL S., Aygun M., Cetinkaya B., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.62, 2006 (SCI-Expanded)
- CXLVIII. ***The synthesis, electrochemical properties and structural characterization of bis(N-(4-dimethylaminophenyl)-3,5-di-tert-butylsalicylaldiminato) copper(II)***  
Kilincarslan R., KARABIYIK H., Ulusoy M., Ayguen M., Cetinkaya B., Bueyuekguengoer O.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.59, sa.14, ss.1649-1656, 2006 (SCI-Expanded)
- CXLIX. ***Supramolecular architecture of phenylcarbamoylated acetone oxime 1,1-diisopropyl-3-phenylurea] complex***  
Coskun N., Parlar A., KARABIYIK H., Aygun M., Buyukgungor O.  
STRUCTURAL CHEMISTRY, cilt.17, sa.4, ss.431-438, 2006 (SCI-Expanded)
- CL. ***Rh(I) and Pd(II) complexes of methoxy functionalized heterocyclic carbene: Synthesis and characterization***  
Gunay M. E., Aygun M., Kartal A., Cetinkaya B., Kendi E.  
CRYSTAL RESEARCH AND TECHNOLOGY, cilt.41, sa.6, ss.615-621, 2006 (SCI-Expanded)
- CLI. ***Crystallographic and conformational analysis of 1,3-bis(2,4-dimethoxyphenyl)imidazolidine-2-thione***  
KARABIYIK H., Gunay M. E., Aygun M., Cetinkaya B., Kazak C.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.36, sa.4, ss.243-248, 2006 (SCI-Expanded)
- CLII. ***Synthesis and structural characterization of (1,3-bis(methoxyethyl)-4,5-bis(2,4,6-trimethylphenyl)-imidazolidin-2-ylidene)chloro(1,5-cyclooctadiene)rhodium(I)***  
KARABIYIK H., Kilincarslan R., Aygun M., Cetinkaya B., Buyukgungor O.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.59, sa.3, ss.343-350, 2006 (SCI-Expanded)
- CLIII. ***Crystallographic and conformational analysis of 2-methyl-3-(2-nitro-phenyl)-4-phenyl-[1,2,4]oxadiazolidin-5-one***  
KARABIYIK H., Aygun M., Coskun N., Kazak C.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.35, sa.8, ss.577-582, 2005 (SCI-Expanded)
- CLIV. ***The synthesis, structural characterization and conformational analysis of (1,3-bis(2-methyl-4-diethylaminophenyl)imidazolidin-2-ylidene)chloro(1,5-cyclooctadiene)rhodium(I)***  
KARABIYIK H., Kilincarslan R., AYGÜN M., Cetinkaya B., Buyukgungor O.

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, cilt.60, sa.8, ss.837-842, 2005 (SCI-Expanded)

CLV. **Generalized formulation of quantum and classical crystallography using Green's functions**

KARABIYIK H., Aygun M.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.103, sa.6, ss.781-791, 2005 (SCI-Expanded)

CLVI. **The two-dimensional coordination polymer poly[[bis(3-methylpyridine)cadmium(II)]-tetra-mu-cyano-nickel(II)]**

Aygun M., Utlu G., Gokce A., Akyuz S., Ozbey S.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.61, 2005 (SCI-Expanded)

CLVII. **Conformational and structural analysis of 6-(4-methoxy-phenyl)1,5,7a-triphenyl-tetrahydro-imidazo[1,5-b][1,2,4]oxadiazol-2-one**

Aygun M., KARABIYIK H., Coskun N.

SPECTROSCOPY LETTERS, cilt.37, sa.6, ss.553-564, 2004 (SCI-Expanded)

CLVIII. **trans-[1,3-Bis(2,4-dimethylphenyl)-imidazolidin-2-ylidene]dichloro(triphenylphosphine-kappa P)palladium(II)**

Gokce A., Turkmen H., Aygun M., Cetinkaya B., Kazak C.

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.60, 2004 (SCI-Expanded)

CLIX. **A theoretical study on tautomerism and tautomers of N-confused porphyrins**

KARABIYIK H., Gokce A., Aygun M.

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, cilt.673, ss.191-197, 2004 (SCI-Expanded)

CLX. **4-[(4-chlorobenzylidene)amino]phenol**

Kazak C., Aygun M., Turgut G., Odabasoglu M., Buyukgungor O., Kahveci N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.60, 2004 (SCI-Expanded)

CLXI. **Crystal structure of 3,3'-dimethoxybenzydine (2-hydroxybenzal) diimine**

Aygun M., Gokce A., Akkus N., Ozbey S.

JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, cilt.34, sa.1, ss.73-77, 2004 (SCI-Expanded)

CLXII. **Synthesis and crystal structure of hexahydrobis[(1,3-p-dimethylaminobenzyl)-1,3-diazepinel-2-selenone, C<sub>23</sub>H<sub>32</sub>N<sub>4</sub>Se**

Aygun M., Cetinkaya E., Gok Y., Kendi E., Cetinkaya B.

ANALYTICAL SCIENCES, cilt.19, sa.7, ss.1093-1094, 2003 (SCI-Expanded)

CLXIII. **5-methyl-2-(4-methylbenzoyloxy)acetophenone**

Kazak C., Aygun M., Kus C., Ozbey S., Buyukgungor O.

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.58, 2002 (SCI-Expanded)

CLXIV. **4,6-Dimethyl-2-(2,4-dimethylphenyliminomethyl)-quinoline**

Aygun M., Ozturk S., Aydogan F.

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.58, 2002 (SCI-Expanded)

CLXV. **2-[(2-Chlorophenyl)iminomethyl]-4,6-dimethyl-quinoline**

Ozturk S., Akkurt M., Aygun M., Aydogan F.

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.57, 2001 (SCI-Expanded)

CLXVI. **Crystal structure of N-8-azanaphthylmethylen-4-chloroaniline**

Ozturk S., Aygun M., Ocal N., Yolacan C., Fun H.

ANALYTICAL SCIENCES, cilt.17, sa.6, ss.797-798, 2001 (SCI-Expanded)

CLXVII. **4,6-dimethyl-2-(o-tolyliminomethyl)quinoline**

Akkurt M., Ozturk S., Aygun M., Aydogan F.

ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, cilt.57, 2001 (SCI-Expanded)

CLXVIII. **2-[(4-Hydroxyphenyl)iminomethyl]-thiophene**

Kazak C., Aygun M., Turgut G., Odabasoglu M., Ozbey S., Buyukgungor O.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.56, ss.1044-1045, 2000

(SCI-Expanded)

CLXIX. **Crystal structure of 3-(p-chlorophenyl)-5-methyl-2-(8-quinoliny)-4-thiazolidinone, C<sub>19</sub>H<sub>16</sub>ClN<sub>2</sub>O<sub>5</sub>**

Ozturk S., Aygun M., Ocal N., Yolacan C., Fun H.

- ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, cilt.215, sa.4, ss.526-528, 2000 (SCI-Expanded)
- CLXX. **4-Ethoxy-N-(6-methylquinolin-2-ylmethylen)e aniline**  
 Aygun M., Isik S., Turgut Z., Ozbey S., Kendi E.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.55, ss.1689-1690, 1999 (SCI-Expanded)
- CLXXI. **Crystal structure of 2-hydroxy-5-t-butylazobenzene**  
 Candan M., Kendi E., Kocaokutgen H., Aygun M., Isik S.  
 ANALYTICAL SCIENCES, cilt.15, sa.7, ss.709-710, 1999 (SCI-Expanded)
- CLXXII. **Bis(2,6-dimethylphenyl) chlorothiophosphate**  
 Aygun M., Isik S., Odabasoglu M., Tahir M., Erdonmez A., Buyukgungor O.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.54, ss.1345-1347, 1998 (SCI-Expanded)
- CLXXIII. **3-tert-butyl-2'-chloro-2-hydroxy-5-methylazobenzene**  
 Isik S., Aygun M., Kocaokutgen H., Tahir M.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.54, ss.1145-1146, 1998 (SCI-Expanded)
- CLXXIV. **3-tert-butyl-2-hydroxy-5-methoxyazobenzene**  
 Isik S., Aygun M., Kocaokutgen H., Tahir M., Buyukgungor O., Erdonmez A.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.54, ss.859-860, 1998 (SCI-Expanded)
- CLXXV. **Thiophene-2-carbaldehyde N-(2,4-dinitrophenyl)-N-methylhydrazone**  
 Aygun M., Isik S., Ocal N., Tahir M., Kaban S., Buyukgungor O.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.54, ss.527-529, 1998 (SCI-Expanded)
- CLXXVI. **Structure of quinoline-4-carboxaldehyde-2,4-dinitrophenyl-N methylhydrazone**  
 Isik S., Aygun M., Ocal N., Nawaz T.  
 SPECTROSCOPY LETTERS, cilt.31, sa.4, ss.779-785, 1998 (SCI-Expanded)
- CLXXVII. **1-(4-chlorobenzoyloxy)-2-methoxy-4-(2-propenyl)benzene**  
 Aygun M., Isik S., ŞAŞMAZ S., Tahir M., Erdonmez A., Buyukgungor O.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.53, ss.897-899, 1997 (SCI-Expanded)
- CLXXVIII. **5-allyl-3-methoxy-2-(p-tolylsulfonyloxy)-azobenzene**  
 Isik S., Aygun M., ŞAŞMAZ S., Kendi E., Buyukgungor O., Erdonmez A.  
 ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, cilt.53, ss.593-594, 1997 (SCI-Expanded)
- CLXXIX. **Structure of 5-allyl-2-hydroxy-3-methoxyazobenzene**  
 Isik S., Aygun M., ŞAŞMAZ S., Nawaz T., Gumrukcuoglu I., Buyukgungor O., Erdonmez A.  
 SPECTROSCOPY LETTERS, cilt.30, sa.8, ss.1525-1549, 1997 (SCI-Expanded)

## Düger Dergilerde Yayınlanan Makaleler

- I. **Yeni bir oksazol-5-on türevinin yapısal karakterizasyonu ve DFT çalışmaları**  
 AYGÜN M.  
 Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.20, sa.1, ss.389-397, 2018 (Hakemli Dergi)
- II. **N-[2-(Benzylideneamino)phenyl]-N\u2032-phenylurea**  
 ATİOĞLU Z., Buran S., DOĞAN Ş. D., KÖKBUDAK Z., AYGÜN M., AKKURT M.  
 IUCrData, cilt.2, sa.10, 2017 (Hakemli Dergi)
- III. **Crystal Structure of 4 Ethoxy N o hydroxyacetophenolidene aniline**  
 AYGÜN M., Akkuş N., GÜVEN K., AKGÜNGÖR K.

- Analytical Science, X-ray Structure Analysis Online, cilt.19, sa.4, ss.23-24, 2003 (Hakemli Dergi)
- IV. Some Common Misconceptions in Fundamental Magnetism and Electricity  
EROL M., ÇALLICA H., AYGÜN M., ÇALIŞKAN S., TANEL R., KAVCAR N.  
Bulg. J. Phys, 2000 (Hakemli Dergi)
- V. Ortaöğretim Kurumlarında Fizik Laboratuvarları Üzerine Bir Çalışma  
ÇALLICA H., EROL M., SEZGİN SELÇUK G., AYGÜN M., KAVCAR N.  
DEÜ Buca Eğitim Fak. Dergisi, 2000 (Hakemli Dergi)

### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. YENİ BİR VİNİLALLEN BİLEŞİĞİNİN MOLEKÜLER VE KRİSTAL YAPI ÇALIŞMALARI  
Gökalp S., Aygün M.  
MUNZUR 5TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Tunceli, Türkiye, 9 - 11 Haziran 2023, ss.66-67
- II. Phytochemical Studies on Mastic Gum of Pistacia lentiscus var. chia Collected from Karaburun Peninsula and Neuroprotective Activities of the Isolates  
Demir M., Üner G., Kurt M. Ü., Aygün M., Ballar Kirmızibayrak P., Bedir E.  
GA - 70th Annual Meeting 2022, Thessaloniki, Greece, Thessaloniki, Yunanistan, 28 - 31 Ağustos 2022, cilt.8815, ss.1494
- III. BİR GRUP HETEROSİKLİK BİLEŞİĞİN AMİT, HİDRAZİT VE HİDROKSAMİK ASİT TÜREVLERİNİN SENTEZİ VE BİYOLOJİK AKTİVİTELƏRİNİN ARAŞTIRILMASI  
Saylam M., Aydın Köse F., Pabuçuoğlu N. A., Aygün M., Pabuçuoğlu M. V.  
UFMKK2022-VI. Ulusal Farmasötik Kimya Kongresi, İstanbul, Türkiye, 26 - 29 Ağustos 2022, ss.18-21
- IV. STRUCTURAL PROPERTIES AND BIOLOGICAL ACTIVITY PREDICTIONS OF SOME BARBITURATE COMPOUNDS  
İzmirli M., Aygün M., Firinci E.  
TURKISH PHYSICAL SOCIETY 37 th INTERNATIONAL PHYSICS CONGRESS, Muğla, Türkiye, 1 - 05 Eylül 2021, ss.83
- V. Single Crystal X-Ray Structural Investigations of Three New Phthalimide Derivatives  
AYGÜN M., BARUT CELEPCİ D., SEVİNÇEK R., AKGÜL Ö.  
2nd International Conference on Agriculture, Technology, Engineering and Sciences, Lviv, Ukrayna, 18 - 20 Eylül 2019, ss.86
- VI. Yeni Siklik Diazaboran Türleri  
ŞAHİN Y., AYGÜN M., SEVİNÇEK R.  
VII. INORGANIC CHEMISTRY CONGRESS, Çorum, Türkiye, 19 - 22 Haziran 2019
- VII. Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons  
BARUT CELEPCİ D., Aktaş A., GÖK Y., AYGÜN M.  
31st European Crystallographic Meeting, Oviedo, İspanya, 22 - 27 Ağustos 2018
- VIII. Molecular and crystal structure analysis of two new Oxazol-5-One derivatives  
İzmirli M., Nazlı H. İ., Topkaya Taşkıran D., Alp S., Aygün M.  
31st European Crystallographic Meeting, Oviedo, İspanya, 22 - 27 Ağustos 2018, cilt.74, ss.361
- IX. Structural determination of biological active N-phenyl-2-phthalimidoethanesulfonamide derivatives  
AYGÜN M., SEVİNÇEK R., BARUT CELEPCİ D., AKGÜL Ö.  
31st European Crystallographic Meeting, Oviedo, İspanya, 22 - 27 Ağustos 2018
- X. Quantum Chemical Calculation, Spectroscopic Analysis and X-Ray Diffraction Studies of Pincer Ligand and Cu I complex.  
YALÇIN Ş., CEYLAN Ü., SOĞUKÖMEROĞULLARI H. G., SÖNMEZ M., AYGÜN M.  
3rd International Congress on Vocational and Technical Sciences, 22 - 24 Haziran 2018
- XI. Molecular and Crystal Structure Analysis of Five Disordered Organic Compounds  
AYGÜN M.

- European Conference on Science, Art Culture, Antalya, Türkiye, 19 - 22 Nisan 2018, ss.114
- XII. **Bilim, Sanat ve Kültürde: SİMETRİ**  
AYGÜN M.  
European Conference on Science, Art Culture, Antalya, Türkiye, 19 - 22 Nisan 2018, ss.137
- XIII. **1-D Coordination Polymer of Ho(III) with NIR Luminescence By Efficient Charge-Transfer Ligand**  
Çoban M. B., Oylumluoğlu G., Koçak Ç., Aygün M., Kara Subaşat H.  
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, Muğla, Türkiye, 6 - 10 Eylül 2017, ss.214
- XIV. **Solid State Photoluminescence Properties of Gd(III) Coordination Polymer**  
ÇOBAN M. B., OYLUMLUOĞLU G., KOÇAK Ç., AYGÜN M., KARA SUBAŞAT H.  
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, BODRUM, Türkiye, 6 - 10 Eylül 2017, ss.261
- XV. **Single Crystal Structure of Holmium(III) Based Porous Coordination Polymer**  
ÇOBAN M. B., OYLUMLUOĞLU G., KOÇAK Ç., AYGÜN M., KARA SUBAŞAT H.  
3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), BODRUM, Türkiye, 26 - 29 Ağustos 2017, ss.343
- XVI. **Hydrothermal Synthesis and Characterization of New Erbium(III) Complex**  
OYLUMLUOĞLU G., ÇOBAN M. B., KOÇAK Ç., AYGÜN M., KARA SUBAŞAT H.  
3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), BODRUM, Türkiye, 26 - 29 Ağustos 2017, ss.215
- XVII. **Crystal Structure of Yb(III)-MOFs Produced via Hydrothermal Synthesis**  
GUZEL U., ÇOBAN M. B., OYLUMLUOĞLU G., KOÇAK Ç., AYGÜN M., KARA SUBAŞAT H.  
3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), BODRUM, Türkiye, 26 - 29 Ağustos 2017, ss.70-71
- XVIII. **Yeni Monomerik Bir Cu(II) Kompleksinin Sentezlenmesi ve Kristal Yapısı**  
KOÇAK Ç., ÇOBAN M. B., OYLUMLUOĞLU G., KARA SUBAŞAT H., AYGÜN M.  
ADIM Fizik Günleri VI, Balıkesir, Türkiye, 19 - 21 Temmuz 2017
- XIX. **Structural Diversity of 3D Coordination Polymer Incorporating Sm(III) and 2-Sulfoterephthalate Ligand**  
ÇOBAN M. B., KOÇAK Ç., OYLUMLUOĞLU G., AYGÜN M., KARA SUBAŞAT H.  
ICANAS, 2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, Antalya, Türkiye, 18 - 21 Nisan 2017, cilt.1, ss.474
- XX. **The Investigation of Crystal Structure and Spectroscopic of The Novel Hydrazone Compound E 3 2 nitrophenyl E 1 2 phenylhydrazone 1 phenylallylidene**  
TURGUT CİN G., YAKALI G., Çakıcı A., AYGÜN M.  
2nd International Conference On Science, Ecology and Technology, Barcelona, SPAIN, 14 - 16 Ekim 2016
- XXI. **STRUCTURAL AND QUANTUM CHEMICAL IVESTIGATIONS OF TERBIUM III MIXED COMPLEX WITH DIKETONE AND 1 10 PHENANTHROLINE**  
CEYLAN Ü., YALÇIN Ş., SÖNMEZ M., sarıoğlu A. O., AYGÜN M.  
Türk Fizik Derneği 32. Uluslararası Fizik Kongresi, Bodrum, Türkiye, 6 - 09 Eylül 2016
- XXII. **3D network structure of a novel TbIII organic framework**  
ACAR Y., özdaş bütün m., AYGÜN M.  
Türk Fizik Derneği 32. Uluslararası Fizik Kongresi (TFD32) 6-9 Eylül 2016 Bodrum, Türkiye, 6 - 09 Eylül 2016
- XXIII. **Photoluminescence Properties via Antenna Effect of A Novel Ternary Ho III Complex**  
KARA SUBAŞAT H., AYGÜN M., ÇOBAN M. B.  
" Türk Fizik Derneği 32. Uluslararası Fizik Kongresi, 6-9 Eylül 2016 Bodrum, Türkiye, 6 - 09 Eylül 2016
- XXIV. **SUPRAMOLECULAR CHIRALITY SENSING DNA MIMICRY OF A NORBORNANE DERIVATIVE DECORATED WITH ISOXAZOLINE AND METHYL PYROLIDINE-2,5-DIONE RING**  
YAKALI G., KARABIYIK H., KARABIYIK H., gokce G., AYGÜN M., ÖCAL SUNGUROĞLU Z. N., Garcia Granda S.  
Turkish Physics Society 32th International Physics Congress, Bodrum, Turkey, BODRUM, Türkiye, 6 - 09 Eylül 2016, ss.164
- XXV. **STRONG HYDROGEN BONDED SUPRAMOLECULAR ARCHITECTURE IN CRYSTAL OF 3 2 1 3**

**BENZODIOXOL 5 YL 7 METHOXY 1 BENZOFURAN 5 YL PROPYL DIETHYLAMINE CATION WITH HYDROGEN BONDED CHLORIDE HYDRATE ANION HALIDES ASSEMBLY X RAY STUTURE ANALYSIS DFT CALCULATIONS HIRSHFELD SURFACE ANALYSIS**

YAKALI G., emirdağ öztürk s., AYGÜN M.

. International Conference on New Trends in Chemometrics and Applications, ANTALYA, TÜRKİYE, 25 - 28 Mayıs 2016

- XXVI. **Structural Characterization,Theoretical Investigation and Hirshfeld Surface Analysis of the 2,6-(E,E)-bis((thiophene-2-yl)methylene)cyclohexanone**

YAKALI G., BİÇER A., TURGUT CİN G., AYGÜN M.

THIRD INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMOMETRICS AND APPLICATIONS, Antalya, Türkiye, 25 - 28 Mayıs 2016, ss.19

- XXVII. **Multifunctional HoIII Based Metal Organic Frameworks**

ÇOBAN M. B., AYGÜN M., OYLUMLUOĞLU G., ERKARSLAN U., KARA SUBAŞAT H.

2nd International Nanoscience and Nanotechnology for Next Generation (NaNoNG) 2015, 29 - 31 Ekim 2015

- XXVIII. **Crystal structure determination offour new copper II complexescontaining ONO type Schiff base ligands**

BARUT CELEPCİ D., KORKMAZ N., ASTLEY S. T., AYGÜN M.

29th European Crystallographic Meeting, Rovinj, Hırvatistan, 23 - 28 Ağustos 2015, cilt.1, ss.422

- XXIX. **X ray Structural Analysis and Catalytic Studies of Two New Thiazoline Carboxylate Ruthenium Complexes**

ŞEN B., DENİZALTI S., ÇETİNKAYA B., AYGÜN M.

The 29th European crystallographic meeting, CROATIA, Hırvatistan, 23 - 28 Ağustos 2015, cilt.71, ss.433

- XXX. **SYNTHESIS SPECTRAL CHARACTERIZATION AND X RAY STRUCTURAL ANALYSIS OF NOVEL BARBITURATE BASED ANTIMUTAGENIC AND ANTIOXIDATIVE AGENT**

Sarıkürkçü C., GİZIROĞLU E., Saraç N., AYGÜN M.

The International Conference On Science, Ecology And Technology I (Iconsete'2015 – Vienna), 25 - 28 Ağustos 2015

- XXXI. **SYNTHESIS AND BIOLOGICAL EVALUATION OF NOVEL BARBITURIC ACID HYDRAZONE DERIVATIVES**

GİZIROĞLU E., Cengiz S., FIRINCI E., AYGÜN M.

The International Conference On Science, Ecology And Technology I (Iconsete'2015 – Vienna), 25 - 28 Ağustos 2015

- XXXII. **Crystallographic analysis of iridium I N heterocyclic carbene complexes of benzimidazol 2 ylidene**

İzmirli M., Gökçe A. G., Gülcemal S., Aygün M.

The 29th European Crystallographic Meeting August 23-28, 2015 Rovinj, Croatia, Rijeka, Hırvatistan, 23 - 28 Ağustos 2015

- XXXIII. **X ray structural analysis and catalytic properties of new thiazoline carboxylate ruthenium complexes**

ŞEN B., DENİZALTI S., GÖKÇE A. G., AYGÜN M.

The 29th European Crystallographic Meeting August 23-28, 2015 Rovinj, Croatia, 23 - 28 Ağustos 2015

- XXXIV. **Molecular and crystal structures of hydroxyl and ester functionalizedN heterocyclic carbene complexes of iridium I**

AYGÜN M., İZMIRLI M., GÖKÇE A. G., GÜLCEMAL D., GÜLCEMAL S.

The 29th European Crystallographic Meeting August 23-28, 2015 Rovinj, Croatia, 23 - 28 Ağustos 2015

- XXXV. **İKİ BOYUTLU LANTANİD İÇEREN METAL ORGANİK ÇERÇEVELER**

ÇOBAN M. B., KARA SUBAŞAT H., AYGÜN M.

ADIM FİZİK GÜNLERİ IV. Dumlupınar Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü 28 - 29 MAYIS 2015, KÜTAHYA / TÜRKİYE, Türkiye, 28 - 29 Mayıs 2015

- XXXVI. **Molecular and crystal structure of 3 O Methyl 1 2 5 O orthodichloroacetyl 6 p toluenethio a D galactofuranose**

SEVİNÇEK R., GÖK G., SALMAN A. Y., AYGÜN M.

TUCr2012 3rd Turkish Crystallographic Meeting, Türkiye, 7 - 09 Haziran 2012

- XXXVII. **Aromaticity balance pi electron cooperativity and H bonding properties in tautomerism of salicylideneaniline**  
KARABIYIK H., SEVİNÇEK R., KARABIYIK H., AYGÜN M.  
3rd Turkish Crystallographic Meeting, İzmir, Türkiye, 7 - 09 Haziran 2012
- XXXVIII. **Electronic Push-Pull Efficiencies With Respect to Varying Solvents of Oxazolone Derivatives**  
SEVİNÇEK R., AYGÜN M.  
TUCr2012- İZMİR 3rd TurkishCrystallographic Meeting, İzmir, Türkiye, 7 - 09 Haziran 2012, ss.25
- XXXIX. **Structural and computational analysis of 3 6 dioctyloxiphenyl 2 5 dimethyl 1 4 diketopyrrolo 3 4 c pyrrole 1 4 dione**  
ŞEN B., SEVİNÇEK R., ÇELİK ERBAŞ S., AYGÜN M., ALP S.  
XXII International Congress and General Assembly of the IUCr, Madrid, İspanya, 22 - 30 Ağustos 2011, cilt.67, ss.599
- XL. **STRUCTURAL CHARACTERIZATION OF 4 ARYLIDENE 2 ARYL OXAZOLONE DERIVATIVES SPECTROSCOPIC X RAY CRYSTALLOGRAPHIC AND DFT STUDIES**  
ÖZTÜRK ÜRÜT G., TOPKAYA TAŞKIRAN D., SEVİNÇEK R., ALP S., AYGÜN M.  
Sixth International Conference of the Chemical Societies of the South-Eastern European Countries, Sofija, Bulgaristan, 10 - 14 Eylül 2008
- XLI. **THE CRYSTALLOGRAPHIC AND QUANTUM MECHANICAL ANALYSIS OF SOME Pd(II) N-HETEROCYCLIC CARBENE COIVPLEXES**  
GÖKÇE A. G., AYGÜN M.  
TÜRK FİZİK DERNEĞİ 25. ULUSLARARASI FİZİK KONGRESİ, BODRUM, Türkiye, 25 - 29 Ağustos 2008
- XLII. **Quantitative assessment of heteroaromaticities of nitrogen containing mono bi and tricyclic hexaatomic ring systems and their protonated variants A DFT study**  
SEVİNÇEK R., KARABIYIK H., GÖKÇE A. G., AYGÜN M.  
Chemical Physics Conference VIII, 24 - 25 Nisan 2008
- XLIII. **Entropy Quantization in Generalized Classical Crystallography**  
KARABIYIK H., AYGÜN M.  
2nd Turkish Crystallographic Meeting, Kayseri, Türkiye, 17 - 19 Mayıs 2006, ss.17
- XLIV. **Molecular and crystal structure of DPO DFT semiempirical and crystallographic studies**  
SEVİNÇEK R., AYGÜN M., ALP S., KAZAK C.  
2nd Turkish Crystallographic Meeting, Türkiye, 17 - 19 Mayıs 2006
- XLV. **Trans Influence in square planar Pd II complexes A density functional study**  
GÖKÇE A. G., KARABIYIK H., SEVİNÇEK R., AYGÜN M.  
2nd Turkish Crystallographic Meeting, Türkiye, 17 - 19 Mayıs 2006
- XLVI. **NCFPs in N-H TAUTOMERİZMİ, TAUTOMERLERİ VE NCF2P5İLE İZOMERİZASYONU**  
KARABIYIK H., GÖKÇE A. G., AYGÜN M.  
TÜRK FİZİK DERNEĞİ 22. FİZİK KONGRESİ, BODRUM, Türkiye, 14 - 17 Eylül 2004, ss.93
- XLVII. **N-Confused Porphyrin"lerin Tautomerleri ve Tautomerizasyonu ÜzerineKuramsal Bir Çalışma**  
KARABIYIK H., GÖKÇE A. G., AYGÜN M.  
1. Ulusal Kristalografi Toplantısı, Samsun, Türkiye, 22 - 24 Nisan 2004
- XLVIII. **Spectroscopic Properties and x-ray Crystal Structure of C<sub>16</sub>H<sub>17</sub>O<sub>2</sub>N", BPU-4 Physics Conference**  
AYGÜN M., EROL M.  
BPU-4 Physics Conference, 22 Ağustos 2000
- XLIX. **4,6-Dimetilkinolin-2-[N-(2,4-dimetilfenil)formimidoil]**  
AYGÜN M., YILDIRIM S., AYDOĞAN F., Kaban Ş.  
18. Fizik Kongresi, Adana, Türkiye, 25 - 28 Ekim 1999
- L. **6-Metilkinolin-2-[N-(p-Etoksifenil)]Formimidoil'xxin Tek Kristak X-Işını Kırınımı Yöntemiyle Kristal Yapı Tayini**  
AYGÜN M., Işık Ş., TURGUT Z., ÖZBEY S., Kendi E.  
Türk Fizik Derneği 17. Fizik Kongresi, Alanya, Türkiye, 27 - 31 Ekim 1998
- LI. **Kinolin-4-Karbaldehid N-(2,4- Dinitrofenil)-N-Metilhidrazon'xxun Sewntezi, Spektroskopik Özellikleri**

- ve X-Işınları Kırınımı Yöntemiyle Kristal Yapı Tayini**  
ÖCAL SUNGUROĞLU Z. N., AYGÜN M., Işık Ş., Çallıca H., Tahir N. M., Kaban Ş.  
12. Ulusal Kimya Kongresi, Edirne, Türkiye, 7 - 11 Eylül 1998, ss.317
- LII. **Syntehesis, Spectroscopic Properties and X-Ray Crystal Structure of Bis(2-6-dimethylphenyl)phosphorothiochloridate**  
AYGÜN M., ODABAŞOĞLU M., Işık Ş., Tahir N. M., ERDÖNMEZ A., BÜYÜKGÜNGÖR O.  
International Symposium on Lasers Atomic and Molecular Physics, İstanbul, Türkiye, 16 - 20 Eylül 1997
- LIII. **2-hydroxy-3-tert-butyl-5-methoxyazobenzene**  
Işık Ş., KOCAOKUTGEN H., AYGÜN M., Tahir N. M., ERDÖNMEZ A.,  
International Symposium on Lasers, Atomic and Molecular Physics, İstanbul, Türkiye, 16 - 20 Eylül 1997
- LIV. **p-kloroeugenolbenzoat'xxin Kristal Yapı Tayini**  
Aygün M., Şaşmaz S., Tahir N. M., Erdönmez A., Gümrükçüoğlu İ. M., Büyükgüngör O.  
Türk Fizik Derneği 16. Fizik Kongresi, Balıkesir, Türkiye, 26 - 29 Ağustos 1996, ss.61
- LV. **THE SPECTROSCOPIC INVESTIGATIONS OF SOME BORON MINERALS FROM BALIKESIR AND KUTAHYA DEPOSITS**  
Akyuz T., Aygün M., Akyuz S.  
Turkish 8th Symp National Chemistry and Chemical Engineering, İstanbul, Türkiye, 7 - 11 Eylül 1992, cilt.518, ss.217-221

## Desteklenen Projeler

AYGÜN M., FIRINCI E., İzmirli M., SEVİNÇEK R., Yükseköğretim Kurumları Destekli Proje, Bazı Metal Barbitürat Komplekslerinin Yapısal Karakterizasyonu, Kuantum Mekaniksel Yöntemlerle İncelenmesi ve Biyolojik Aktivite Tahminleri, 2019 - 2023

Fırıncı E., Sevinçek R., Fırıncı R., Aygün M., Şahin Y., TÜBİTAK Projesi, Halkalı sp<sub>2</sub>-sp<sub>3</sub> ve sp<sub>3</sub>-sp<sub>3</sub> Diboranların Sentezi ve Karakterizasyonu, 2018 - 2019

Aygün M., Barut Celepçi D., Karabiyık H., Sevinçek R., Şen Yüksel B., Gökçe A. G., Yükseköğretim Kurumları Destekli Proje, Dokuz Eylül Üniversitesi X-Işını Kristalografi Laboratuvarının Kurulması, 2010 - 2013

Aygün M., Gökçe A. G., Yükseköğretim Kurumları Destekli Proje, Bazı Oksazolon Türevlerinin Yapısal ve Fiziksnel Özelliklerinin İncelenmesi, 2007 - 2010

Aygün M., Gökçe A. G., Yükseköğretim Kurumları Destekli Proje, N Heterosiklik Karben Komplekslerinin ve Porfirin Varyantlarının Kuantum Mekaniksel Hesaplamalar ve Tek Kristal X İşini Kırınımı Yöntemiyle Yapı Analizi, 2004 - 2007

Aygün M., Gökçe A. G., Yükseköğretim Kurumları Destekli Proje, Bazı Organik ve Organometalik Moleküllerin Kristal Yapılarının İncelenmesi, 2002 - 2003

Aygün M., Yükseköğretim Kurumları Destekli Proje, Bazı Organik Moleküllerin Kristal Yapılarının İncelenmesi, 1999 - 2001

## Bilimsel Kuruluşlardaki Üyelikler / Görevler

Dokuz Eylül Bilim Merkezi Derneği, Başkan, 2005 - Devam Ediyor , Türkiye  
Ulusal Kristalografi Derneği, Aslı Üye, 2001 - Devam Ediyor , Türkiye

## Bilimsel Hakemlikler

Karadeniz Fen Bilimleri Dergisi, Hakemli Bilimsel Dergi, Ekim 2022  
Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, İzmir Yüksek Teknoloji Enstitüsü, Türkiye, Ağustos 2022  
Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, İzmir Yüksek Teknoloji Enstitüsü, Türkiye, Ağustos 2022  
Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, İzmir Yüksek Teknoloji Enstitüsü, Türkiye, Ağustos 2022

Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, İzmir Yüksek Teknoloji Enstitüsü, Türkiye, Ağustos 2022  
JOURNAL OF MOLECULAR STRUCTURE, SCI-E Kapsamındaki Dergi, Nisan 2020  
CRYSTENGCMM, SCI-E Kapsamındaki Dergi, Eylül 2019  
JOURNAL OF MOLECULAR STRUCTURE, SCI-E Kapsamındaki Dergi, Eylül 2019  
ARCHIV DER PHARMAZIE, SCI-E Kapsamındaki Dergi, Ağustos 2019  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, Hakemli Bilimsel Dergi, Temmuz 2018  
ACTA CHIMICA SLOVENICA, SCI-E Kapsamındaki Dergi, Temmuz 2008

### Etkinlik Organizasyonlarındaki Görevler

Aygün M., ICATES 2019-International Conference on Agriculture, Technology, Engineering and Sciences, Bilimsel Kongre / Sempozyum Organizasyonu, Ukrayna, Eylül 2019  
Aygün M., THE INTERNATIONAL CONFERENCE ON AGRICULTURE, TECHNOLOGY, ENGINEERING AND SCIENCES (ICATES 2018), Bilimsel Kongre / Sempozyum Organizasyonu, Lviv, Ukrayna, Eylül 2018  
Aygün M., IYCR2014-Agilent OpenLab Turkey, Çalıştay Organizasyonu, İzmir, Türkiye, Eylül 2014  
Aygün M., "4. ULUSAL KRİSTALOGRAFİ TOPLANTISI", Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Mayıs 2014  
Aygün M., Üçüncü Ulusal Kristalografi Toplantısı-TUCr2012, Bilimsel Kongre / Sempozyum Organizasyonu, İzmir, Türkiye, Haziran 2012  
Aygün M., JANA2006 WORKSHOP, Çalıştay Organizasyonu, İzmir, Türkiye, Haziran 2012  
Aygün M., TURK FİZİK DERNEĞİ-4. ULUSLARARASI FİZİK ÖĞRENCİLERİ KONGRESİ VE ŞENLİĞİ, Bilimsel Kongre / Sempozyum Organizasyonu, İzmir, Türkiye, Eylül 2005

### Bilimsel Araştırma / Çalışma Grubu Üyelikleri

Uygulamalı Kuantum Araştırmaları Merkezi, İzmir Yüksek Teknoloji Enstitüsü, Türkiye, <https://ukam.iyte.edu.tr/>, 2015 - Devam Ediyor

### Metrikler

Yayın: 240  
Atıf (WoS): 1801  
Atıf (Scopus): 1806  
H-İndeks (WoS): 25  
H-İndeks (Scopus): 24

### Kongre ve Sempozyum Katılımı Faaliyetleri

MUNZUR 5TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES , Katılımcı, Tunceli, Türkiye, 2023  
2nd INTERNATIONAL CONFERENCE ON AGRICULTURE, TECHNOLOGY, ENGINEERING AND SCIENCES, Katılımcı, Lviv, Ukrayna, 2019  
31st European Crystallographic Meeting, Katılımcı, Asturias, İspanya, 2018  
TURKISH PHYSICAL SOCIETY 32nd INTERNATIONAL PHYSICS CONGRESS , Katılımcı, Muğla, Türkiye, 2016  
29th European Crystallographic Meeting, Katılımcı, Rijeka, Hırvatistan, 2015  
XV. ULUSLARARASI AVRUPA KRİSTALOGRAFİ TOPLANTISI, Oturum Başkanı, İstanbul, Türkiye, 2009  
25. Uluslararası Fizik Kongresi, Katılımcı, Muğla, Türkiye, 2008  
2nd TURKISH CRYSTALLOGRAPHIC MEETING, Katılımcı, Kayseri, Türkiye, 2006  
3. SESAME USERS' MEETING, Katılımcı, Antalya, Türkiye, 2004  
1. Ulusal Kristalografi Toplantısı, Oturum Başkanı, Samsun, Türkiye, 2004

XVI. Ulusal Kimya Kongresi, Konya, 2002, Katılımcı, Konya, Türkiye, 2002

The First Hellenic-Turkish International Physics Conference, Katılımcı, Muğla, Türkiye, 2001

TFD 18 - 18. FİZİK KONGRESİ, Katılımcı, Adana, Türkiye, 1999

TFD17-TURK FİZİK DERNEĞİ 17. FİZİK KONGRESİ, Katılımcı, Antalya, Türkiye, 1998

INTERNATIONAL LAMP SYMPOSIUM, Katılımcı, İstanbul, Türkiye, 1997

XI. Ulusal Kimya Kongresi, Van, 1997, Katılımcı, Van, Türkiye, 1997

Türk Fizik Derneği 16. Fizik Kongresi, Katılımcı, Balıkesir, Türkiye, 1996