

Assoc. Prof. MUHİTTİN AYGÜN

Personal Information

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International Researcher IDs

ScholarID: V806fEkAAAAJ

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

ScopusID: 56249121800

Yoksis Researcher ID: 138667

Education Information

Doctorate, Ondokuz Mayıs University, Institute Of Science, PHYSICS, Turkey 1992 - 1997

Postgraduate, Ondokuz Mayıs University, Institute Of Science, PHYSICS, Turkey 1987 - 1990

Undergraduate, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey 1981 - 1985

Dissertations

Doctorate, Tek kristal x ışınları kırınımı yöntemiyle C12 H10 N4 O4 S, C16 H18 ClO2 Ps ve C17 H15 ClO3 moleküllerinin kristal yapı çözümü, Ondokuz Mayıs University, Fen Fakültesi, Fizik Bölümü, 1997

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

Research Areas

Atomic and Molecular Physics, Theory of Atoms and Molecules, Atomic Spectra and Photon Interactions, Atomic and Molecular Interactions, Molecular Properties and Interactions with Photon, Interdisciplinary Physics and Related Science and Technology Areas, Structure of Liquids and Solids; Crystallography

Academic Titles / Tasks

Associate Professor, Dokuz Eylül University, Fen Fakültesi, Fizik Bölümü, 2018 - Continues

Assistant Professor, Dokuz Eylül University, Fen Fakültesi, Fizik Bölümü, 2018 - Continues

Assistant Professor, Dokuz Eylül University, Fen Fakültesi, Fizik Bölümü, 2001 - 2018

Assistant Professor, Dokuz Eylül University, Buca Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1999 - 2001

Lecturer, Dokuz Eylül University, Buca Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1998 - 1999

Research Assistant, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Physics, 1991 - 1998

Academic and Administrative Experience

Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2023 - Continues

Fakülte Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2011 - 2014

Vice Dean, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2010 - 2013

Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2002 - 2002

Courses

BİTİRME PROJESİ, Undergraduate, 2023 - 2024, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012

YENİLENEBİLİR ENERJİ KAYNAKLARI, Undergraduate, 2022 - 2023, 2021 - 2022

Ph.D.UZMANLIK ALANI DERSİ, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

M.Sc. TEZ ÇALIŞMASI, Postgraduate, 2022 - 2023, 2011 - 2012

Ph.D. TEZ ÇALIŞMASI-II, Doctorate, 2022 - 2023, 2021 - 2022, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

M.Sc. UZMANLIK ALANI DERSİ, Postgraduate, 2022 - 2023, 2011 - 2012, 2007 - 2008

CRYSTALLOGRAPHY-I, Postgraduate, 2022 - 2023

KRİSTALOGRAFİ-II, Postgraduate, 2022 - 2023, 2009 - 2010, 2008 - 2009, 2007 - 2008

MADDENİN YAPISI VE ÖZELLİKLERİ, Undergraduate, 2022 - 2023

Ph.D. TEZ ÇALIŞMASI-I, Doctorate, 2021 - 2022

Ph.D.UZMANLIK ALANI DERSİ-II, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Ph.D.UZMANLIK ALANI DERSİ-I, Doctorate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Physics-I, Undergraduate, 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, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

YENİLENEBİLİR ENERJİ KAYNAKLARI, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009

FİZİK-II, Undergraduate, 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, Undergraduate, 2013 - 2014

FİZİK LABORATUVARI-II, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013

YENİLENEBİLİR ENERJİ KAYNAKLARI-I, Undergraduate, 2013 - 2014

M.Sc. TEZ ÇALIŞMASI-I, Postgraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010

M.Sc. TEZ ÇALIŞMASI-II, Postgraduate, 2013 - 2014, 2012 - 2013, 2008 - 2009

FİZİK LABORATUVARI, Undergraduate, 2013 - 2014

M.Sc. UZMANLIK ALANI DERSİ-I, Postgraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009

SPEKTROSKOPİK YÖNTEMLER, Undergraduate, 2013 - 2014, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

M.Sc. UZMANLIK ALANI DERSİ-II, Postgraduate, 2013 - 2014, 2012 - 2013, 2008 - 2009

MODERN FİZİK LABORATUVARI, Undergraduate, 2012 - 2013

KUANTUM MEKANİĞİ-II, Undergraduate, 2011 - 2012

KUANTUM MEKANİĞİ-I, Undergraduate, 2011 - 2012

PhD.UZMANLIK ALANI DERSİ-I, Doctorate, 2010 - 2011, 2009 - 2010

PhD.UZMANLIK ALANI DERSİ-II, Doctorate, 2010 - 2011, 2008 - 2009

FİZİK LABORATUVARI-I, Undergraduate, 2010 - 2011, 2008 - 2009

KATIHAL FİZİĞİ-II, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008

PhD. TEZ ÇALIŞMASI-II, Doctorate, 2009 - 2010, 2008 - 2009

PhD. TEZ ÇALIŞMASI-I, Doctorate, 2009 - 2010, 2008 - 2009

FİZİK IV. (TİTREŞİM VE DALGALAR), Undergraduate, 2009 - 2010

FİZİK-III (MODERN FİZİK), Undergraduate, 2009 - 2010, 2008 - 2009

İLERİ MOLEKÜLER FİZİK, Postgraduate, 2009 - 2010

KATIHAL FİZİĞİ-I, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008

MOLEKÜLER FİZİK, Undergraduate, 2009 - 2010
PhD. UZMANLIK ALAN DERSİ-II, Doctorate, 2009 - 2010
DİPLOMA ÇALIŞMASI, Undergraduate, 2009 - 2010, 2007 - 2008
M.Sc. TEZ ÇALIŞMASI VE SEMİNER, Postgraduate, 2009 - 2010
DİPLOMA ÇALIŞMASI-II, Undergraduate, 2008 - 2009
TEZ ÇALIŞMASI, Postgraduate, 2007 - 2008
TEZ ÇALIŞMASI, Doctorate, 2007 - 2008

Advising Theses

Aygün M., Bazı Metal Barbitürat Komplekslerinin Yapısal Karakterizasyonu, Kuantum Mekaniksel Yöntemlerle İncelenmesi ve Biyolojik Aktivite Tahminleri, Doctorate, M.İZMİRLİ(Student), 2023
AYGÜN M., Structural characterization of some copper complexes synthesized by tridentate Schiff base ligand, Doctorate, D.BARUT(Student), 2016
AYGÜN M., Structural analysis of some benzofuran derivatives with crystallographic and quantum mechanical methods, Doctorate, G.YAKALI(Student), 2016
AYGÜN M., Structural characterization of some thiazolethione and cyclobutane derivatives by crystallographic and quantum mechanical methods, Doctorate, B.ŞEN(Student), 2015
AYGÜN M., Structural characterization of some of phtlamido derivatives by crystallographic and quantum mechanical methods., Doctorate, S.KÖKTAŞ(Student), 2015
AYGÜN M., Investigation of structural and photophysical properties of some oxazolone derivatives, Doctorate, R.SEVİNCEK(Student), 2012
AYGÜN M., Molecular and crystal structure analysis of some oxalamide and carbazol derivatives, Postgraduate, D.BARUT(Student), 2010
AYGÜN M., Molecular and crystal structure analysis of some isoxazoline and carbazol derivatives, Postgraduate, G.ÖZKAN(Student), 2010
AYGÜN M., Crystallographic and conformational investigations of some organic compounds, Postgraduate, S.KÖKTAŞ(Student), 2009
AYGÜN M., Structural and conformational analysis of some organics molecules, Postgraduate, B.ŞEN(Student), 2009
AYGÜN M., The crystallographic and quantum mechanical analysis of some rhodium(I) n-heterocyclic carbene complexes, Doctorate, H.KARABIYIK(Student), 2008
AYGÜN M., The crystallographic and quantum mechanical analysis of some palladium(II) n-heterocyclic carbene complexes, Doctorate, A.GÜRHAN(Student), 2008
AYGÜN M., The crystal structure analysis of some organometallic compounds, Postgraduate, H.LİLİYAR(Student), 2007
AYGÜN M., Conformational and crystallographic investigations of some azlactone derivatives, Postgraduate, R.SEVİNÇEK(Student), 2006
AYGÜN M., The crystal structure analysis of dioxo (2,2'-(1,2-phenylenebis (nitrilomethylodyne)) bis-(methoxy) phenoloto) (2-)-N,N',O,O') uranium and 4-(2,4,6-trimethoxy benzylidene)-2-phenyloxazolel-5-one compounds, Postgraduate, D.ALTUNKULP(Student), 2006
AYGÜN M., The crystal and molecular structures of hippuric acid and fluorecein methyl ether-ester, Postgraduate, Z.KAÇAR(Student), 2004
AYGÜN M., A study on elastic properties of Hcp crystals, Postgraduate, N.DİNÇER(Student), 2004
AYGÜN M., C22 H22 O4 ve C18 H15 Au Cl P bileşiklerinin kristal ve moleküler yapı analizi, Postgraduate, F.DUR(Student), 2004
AYGÜN M., C29H25N3O3 molekülünün kristal yapısı ve biçimlenim çalışması, Postgraduate, H.KARABIYIK(Student), 2003
AYGÜN M., C27H34N2O4CIRh molekülünün kristalografik incelemeleri, Postgraduate, A.KARTAL(Student), 2003
AYGÜN M., İki boyutlu koordinasyon polimeri Cd(3-methylpyridine)2Ni(CN)4'ün kristal yapısı, Postgraduate, G.UTLU(Student), 2002
AYGÜN M., C28H24N2O4 ve C23H32N4Se moleküllerinin tek kristal x ışını kırınımı yöntemiyle kristal yapı analizi, Postgraduate, A.GÜRHAN(Student), 2002

Jury Memberships

Post Graduate, Post Graduate, Aydın Adnan Menderes Üniversitesi, February, 2024
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, July, 2023
Doctorate, Doctorate, Ondokuz Mayıs Üniversitesi, May, 2023
Doctorate, Doctorate, İzmir Yüksek Teknoloji Enstitüsü, June, 2017
Doctorate, Doctorate, Ondokuz Mayıs Üniversitesi, December, 2016
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, August, 2016
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2016
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, March, 2016
Post Graduate, Post Graduate, Aydın Adnan Menderes Üniversitesi, February, 2016
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, October, 2015
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, October, 2015
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, August, 2014
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, February, 2013
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, December, 2012
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2012
Doctorate, Doctorate, Ondokuz Mayıs Üniversitesi, June, 2012
Doctorate, Doctorate, Balıkesir Üniversitesi, October, 2011
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, June, 2011
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, January, 2011
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, December, 2010
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2010
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2010
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, July, 2010
Doctorate, Doctorate, Balıkesir Üniversitesi, June, 2010
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, March, 2010
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, January, 2009
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, January, 2009
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, January, 2009
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, January, 2009
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, January, 2009
Doctorate, Doctorate, Dokuz Eylül Üniversitesi, October, 2008
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2007
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, January, 2007
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, August, 2006
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, November, 2004
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2004
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, July, 2004
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2003
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, September, 2003
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, July, 2002
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, June, 2002

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Single-crystal X-ray structure, theoretical (Hirshfeld, electronic properties, NBO, NLO, RDG), and molecular docking studies of three phthalimidoethanesulfonamide derivatives**
Aygün M., Celepci D. B., Akgül Ö., Pabuccuoglu V.

JOURNAL OF MOLECULAR STRUCTURE, pp.1-13, 2024 (SCI-Expanded)

- II. **Synthesis, characterization, crystal structure, biological activities, and molecular docking study of the (NHC)Pd(II)(Morp) (NHC: N-heterocyclic carbene, Morp: Morpholine) complexes**
AKTAŞ A., Taslimi P., Bal S., BARUT CELEPCİ D., GÖK Y., Taskin-Tok T., AYGÜN M., GÜLÇİN İ.
Polyhedron, vol.257, 2024 (SCI-Expanded)
- III. **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., Fırınacı E., Fırınacı R., Yakalı G., SEVİNÇEK R., BARUT CELEPCİ D.
Journal of Molecular Structure, vol.1299, 2024 (SCI-Expanded)
- IV. **Pd(II) and Pt(II) saccharinate complexes with two phosphine derivatives: Synthesis, anticancer and antiangiogenic activities**
Icel C., Yılmaz V. T., Aygün M., Erkisa M., Ulukaya E., Akar R. O.
APPLIED ORGANOMETALLIC CHEMISTRY, pp.1-13, 2024 (SCI-Expanded)
- V. **1,2-Diboranes with strong donor substitutes: Synthesis, ovicidal and larvicidal effect on important vector species**
Bursalı F., Şahin Y., Aygün M., Sevinçek R., Bıyık H. H., Özgener H., Gürbüz B.
INORGANIC CHEMISTRY COMMUNICATION, vol.112268, pp.1-9, 2024 (SCI-Expanded)
- VI. **Plausible PEPSI 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, vol.1295, 2024 (SCI-Expanded)
- VII. **Effects of diborolane containing Oxo/Amine compounds on clinically important bacteria and Candida species**
Şahin Y., Poyrazoğlu E., Özgener H., Bıyık H. H., Sevinçek R., Aygün M., Gürbüz B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1304, pp.1-11, 2024 (SCI-Expanded)
- VIII. **A Novel Methodology for the Asymmetric Synthesis of 2,3,5-Trisubstituted Piperazine Derivatives**
Beksultanova N., ÖZDEMİR YILDIRIM Ö., Çakır S. P., AYGÜN M., DOĞAN Ö.
Synthesis (Germany), 2024 (SCI-Expanded)
- IX. **Synthesis and characterization of Zn(II) complexes derived from thiobarbiturate ligand: Investigation of antibacterial and anticancer activities**
Şenocak U., Yalçın Bingül D., Fırınacı R., Fırınacı E., Sevinçek R., Başbülbul G., Aygün M.
Inorganic Chemistry Communications, vol.158, 2023 (SCI-Expanded)
- X. **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., Gülçin İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, no.e23554, pp.23554-23570, 2023 (SCI-Expanded)
- XI. **Improved photoluminescence properties of one-dimensional (1D) composite fibers of Ho@PVP and Yb@PVP prepared by electrospinning**
Kuru F., Coban M. B., Erkarlan U., Donmez A., Oylumluoglu G., Aygün M., Kara Subasat H.
Polyhedron, vol.242, 2023 (SCI-Expanded)
- XII. **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, vol.1287, 2023 (SCI-Expanded)
- XIII. **Design, synthesis, characterization, crystal structure, in silico studies, and inhibitory properties of the PEPSI type Pd(II)NHC complexes bearing chloro/fluorobenzyl group**
GÖK Y., Taslimi P., ŞEN YÜKSEL B., Bal S., AKTAŞ A., AYGÜN M., Sadeghi M., GÜLÇİN İ.
Bioorganic Chemistry, vol.135, 2023 (SCI-Expanded)
- XIV. **Synthesis and antifungal and antibacterial bioactivities of diborolanes containing arylamines**
Şahin Y., Çoban E. P., Aygün M., Sevinçek R., Özgener H., Bıyık H. H., Metin K., Gürbüz B.
Journal of Molecular Structure, vol.1277, 2023 (SCI-Expanded)
- XV. **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., GÜLÇİN İ., AYGÜN M.
Journal of Fluorine Chemistry, vol.267, 2023 (SCI-Expanded)

- XVI. **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, vol.52, no.21, pp.7048-7058, 2023 (SCI-Expanded)
- XVII. **Design, synthesis, and biological activity studies on benzimidazole derivatives targeting myeloperoxidase**
Saylam M., Aydın Köse F., Pabuccuoğlu A., BARUT CELEPCİ D., AYGÜN M., Pabuccuoğlu V.
European Journal of Medicinal Chemistry, vol.248, 2023 (SCI-Expanded)
- XVIII. **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, vol.1273, 2023 (SCI-Expanded)
- XIX. **Novel PEPSI-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, vol.544, 2023 (SCI-Expanded)
- XX. **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, vol.76, no.3-4, pp.414-423, 2023 (SCI-Expanded)
- XXI. **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 Celepci D., Bayil I., Taşkın Tok T., Gök Y., Ateş B., Aktaş A., Aygün M., Tezcan B.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.21, pp.11728-11747, 2023 (SCI-Expanded)
- XXII. **Palladium complexes of PNNP type diiminodiphosphine ligands for the Suzuki C-C coupling reactions**
TEZCAN B., YILMAZ M. K., Yakali G., AYGÜN M., GÜZEL B.
INORGANICA CHIMICA ACTA, vol.543, 2022 (SCI-Expanded)
- XXIII. **Benzimidazolium Salts Containing Trifluoromethoxybenzyl: Synthesis, Characterization, Crystal Structure, Molecular Docking Studies and Enzymes Inhibitory Properties**
Hamide M., Gök Y., Demir Y., Sevinçek R., Taşkın Tok T., Tezcan B., Aktaş A., Gülçin I., Aygün M., Güzel B.
CHEMISTRY & BIODIVERSITY, 2022 (SCI-Expanded)
- XXIV. **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., Sevincek R., Aygun M., Gunay M. E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.978, 2022 (SCI-Expanded)
- XXV. **Phthalimide-tethered imidazolium salts: Synthesis, characterization, enzyme inhibitory properties, and in silico studies**
Yiğit M., Demir Y., Barut Celepci D., Taşkın Tok T., Arinc A., Yiğit B., Aygün M., Özdemir İ., Gülçin İ.
ARCHIV DER PHARMAZIE, 2022 (SCI-Expanded)
- XXVI. **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, vol.8, no.9, 2022 (SCI-Expanded)
- XXVII. **Synthesis and biological evaluation of Au-NHC complexes**
Ekinci O., Akkoc M., Khan S., YAŞAR S., GÜRSES C., Noma S., Balcioglu S., Sen B., AYGÜN M., YILMAZ İ.

APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, no.9, 2022 (SCI-Expanded)

- XXVIII. **Synthesis, characterization and antimicrobial activity of metal complexes with N,O-bidentate ligand derived from dimedone**
Fırıncı R., Fırıncı E., Poyrazoğlu Çoban E., Sevinçek R., Bıyık H., Aygün M.
Inorganic Chemistry Communications, vol.141, 2022 (SCI-Expanded)
- XXIX. **Synthesis, characterization and DFT studies of boron guanidinate compounds**
Fırıncı E., SEVİNÇEK R., Fırıncı R., Soyleyici S., Ceyhan E., AYGÜN M., Sahin Y.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.140, 2022 (SCI-Expanded)
- XXX. **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, vol.36, no.4, 2022 (SCI-Expanded)
- XXXI. **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, vol.1251, 2022 (SCI-Expanded)
- XXXII. **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, vol.51, no.13, pp.5208-5217, 2022 (SCI-Expanded)
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Memberships / Tasks in Scientific Organizations

Dokuz Eylül Bilim Merkezi Derneği, Chairman, 2005 - Continues, Turkey

National Society of Crystallography, Principal Member, 2001 - Continues, Turkey

Scientific Refereeing

Karadeniz Fen Bilimleri Dergisi, National Scientific Refreed Journal, October 2022

Project Supported by Higher Education Institutions, BAP Research Project, Izmir Institute Of Technology, Turkey, August 2022

Project Supported by Higher Education Institutions, BAP Research Project, Izmir Institute Of Technology, Turkey, August 2022

Project Supported by Higher Education Institutions, BAP Research Project, Izmir Institute Of Technology, Turkey, August 2022

Project Supported by Higher Education Institutions, BAP Research Project, Izmir Institute Of Technology, Turkey, August 2022

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, April 2020

CRYSTENGCOMM, Journal Indexed in SCI-E, September 2019

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, September 2019

ARCHIV DER PHARMAZIE, Journal Indexed in SCI-E, August 2019

Gümüşhane Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2018

ACTA CHIMICA SLOVENICA, Journal Indexed in SCI-E, July 2008

Tasks In Event Organizations

Aygün M., ICATES 2019-International Conference on Agriculture, Technology, Engineering and Sciences, Scientific Congress, Ukraine, Eylül 2019

Aygün M., THE INTERNATIONAL CONFERENCE ON AGRICULTURE, TECHNOLOGY, ENGINEERING AND SCIENCES (ICATES 2018), Scientific Congress, Lviv, Ukraine, Eylül 2018

Aygün M., IYCR2014-Agilent OpenLab Turkey, Workshop Organization, İzmir, Turkey, Eylül 2014

Aygün M., "4TH NATIONAL CRYSTALLOGRAPHY MEETING", Scientific Congress, Turkey, Mayıs 2014

Aygün M., Third National Crystallography Meeting-TUCr2012, Scientific Congress, İzmir, Turkey, Haziran 2012

Aygün M., JANA2006 WORKSHOP, Workshop Organization, İzmir, Turkey, Haziran 2012

Aygün M., TURK FİZİK DERNEĞİ-4. ULUSLARARASI FİZİK ÖĞRENCİLERİ KONGRESİ VE ŞENLİĞİ, Scientific Congress, İzmir, Turkey, Eylül 2005

Scientific Research / Working Group Memberships

Uygulamalı Kuantum Araştırmaları Merkezi, Izmir Institute Of Technology, Türkiye, <https://ukam.iyte.edu.tr/>, 2015 - Continues

Metrics

Publication: 243

Citation (WoS): 1801

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H-Index (WoS): 25

H-Index (Scopus): 24

Congress and Symposium Activities

- MUNZUR 5TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES , Attendee, Tunceli, Turkey, 2023
- 2nd INTERNATIONAL CONFERENCE ON AGRICULTURE, TECHNOLOGY, ENGINEERING AND SCIENCES, Attendee, Lviv, Ukraine, 2019
- 31st European Crystallographic Meeting, Attendee, Asturias, Spain, 2018
- TURKISH PHYSICAL SOCIETY 32nd INTERNATIONAL PHYSICS CONGRESS , Attendee, Muğla, Turkey, 2016
- 29th European Crystallographic Meeting, Attendee, Rijeka, Croatia, 2015
- XV. INTERNATIONAL EUROPEAN CRYSTALLOGRAPHY MEETING, Session Moderator, İstanbul, Turkey, 2009
25. Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2008
- 2nd TURKISH CRYSTALLOGRAPHIC MEETING, Attendee, Kayseri, Turkey, 2006
3. SESAME USERS' MEETING, Attendee, Antalya, Turkey, 2004
1. Ulusal Kristalografi Toplantısı, Session Moderator, Samsun, Turkey, 2004
- XVI. Ulusal Kimya Kongresi. Konya, 2002, Attendee, Konya, Turkey, 2002
- The First Hellenic-Turkish International Physics Conference, Attendee, Muğla, Turkey, 2001
- 18th PHYSICS CONFERENCE, Attendee, Adana, Turkey, 1999
- TFD17-TURK FİZİK DERNEĞİ 17. FİZİK KONGRESİ, Attendee, Antalya, Turkey, 1998
- INTERNATIONAL LAMP SYMPOSIUM, Attendee, İstanbul, Turkey, 1997
- XI. Ulusal Kimya Kongresi, Van, 1997, Attendee, Van, Turkey, 1997
- Türk Fizik Derneği 16. Fizik Kongresi, Attendee, Balıkesir, Turkey, 1996