



Assoc. Prof. DUYGU BARUT CELEPCİ

Personal Information

Office Phone: [+90 232 301 8668](tel:+902323018668)

Email: duygu.barut@deu.edu.tr

Web: <https://avesis.deu.edu.tr/duygu.barut>

International Researcher IDs

ScholarID: 7J1x90AAAAJ

ORCID: 0000-0003-1581-6208

Publons / Web Of Science ResearcherID: M-6189-2017

ScopusID: 57194874374

Yoksis Researcher ID: 227491

Education Information

2010 - 2016	Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey
2009 - 2010	Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Y) (Tezli), Turkey
2003 - 2008	Undergraduate, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, Turkey

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

2014	International Year of Crystallography, Vocational Training, UNESCO - IUCr
2012	JANA2006 Workshop, Vocational Training, Turkish Union of Crystallography (TUCr)
2011	UV-VIS/AAS/Microwave Sample Preparation Systems, Vocational Training, TERRA Analiz ve Ölçüm Cihazları Ticaret A.Ş.

Dissertations

2016	Üç dişli schiff bazı ligandı ile sentezlenmiş bazı bakır komplekslerinin yapısal karakterizasyonu, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Doctorate
2010	Bazı oksalamid ve karbazol türevlerinin moleküler ve kristal yapı analizi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Y) (Tezli), Postgraduate

Research Areas

bioinformatics, Molecular Biophysics, Physics, Atomic and Molecular Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

2015 - Continues Associate Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü

Courses

2023 - 2024, 2022 - 2023 Physics Laboratory I, Undergraduate
2022 - 2023 Physics Laboratory II, Undergraduate
2023 - 2024, 2022 - 2023 Physics I, Undergraduate
2022 - 2023 Physics II, Undergraduate
2021 - 2022 Fizik-II, Undergraduate

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Single-crystal X-ray structure, theoretical (Hirshfeld, electronic properties, NBO, NLO, RDG), and molecular docking studies of three phthalimidoethanesulfonamide derivatives**
Aygün M., Celepci D., Akgül Ö., Pabuccuoglu V.
Journal of Molecular Structure, vol.1317, 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., Fırınçı E., Fırınçı R., Yakalı G., SEVİNÇEK R., BARUT CELEPCİ D.
Journal of Molecular Structure, vol.1299, 2024 (SCI-Expanded)
- IV. **Design, synthesis, and biological activity studies on benzimidazole derivatives targeting myeloperoxidase**
Saylam M., Aydın Köse F., Pabuccuoglu A., BARUT CELEPCİ D., AYGÜN M., Pabuccuoglu V.
European Journal of Medicinal Chemistry, vol.248, 2023 (SCI-Expanded)
- V. **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)
- VI. **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, vol.544, 2023 (SCI-Expanded)
- VII. **Phthalimide-tethered imidazolium salts: Synthesis, characterization, enzyme inhibitory properties, and in silico studies**
Yiğit M., Demir Y., Barut Celepci D., Taşkın Tok T., Arınc A., Yiğit B., Aygün M., Özdemir İ., Gülçin İ.
ARCHIV DER PHARMAZIE, 2022 (SCI-Expanded)
- VIII. **Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties**
Yiğit M., Barut Celepci D., Taslimi P., Yiğit B., Cetinkaya E., Özdemir İ., Aygün M., Gülçin İ.
BIOORGANIC CHEMISTRY, vol.120, 2022 (SCI-Expanded)
- IX. **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 Celepci D., Aktaş A., Gök Y., Aygün M.

JOURNAL OF MOLECULAR STRUCTURE, vol.1246, 2021 (SCI-Expanded)

- X. **Amine-functionalized benzimidazolium salts: Synthesis, structural characterization, hirshfeld surface analysis and theoretical studies**
Barut Celepci D., Yiğit B., Yiğit M., Özdemir İ., Aygün M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1239, 2021 (SCI-Expanded)
- XI. **Synthesis, in vitro anticancer activities, and quantum chemical investigations on 1,3-bis-(2-methyl-2-propenyl)benzimidazolium chloride and its Ag(I) complex**
Serdaroğlu G., Şahin Bölükbaşı S., Barut Celepci D., Sevinçek R., Şahin N., Gürbüz N., Özdemir İ.
JOURNAL OF CHEMICAL RESEARCH, vol.45, pp.596-607, 2021 (SCI-Expanded)
- XII. **Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-functionalized PEPPSI type of Pd(II)NHC complexes**
Dasgin S., Gök Y., Barut Celepci D., Taslimi P., Izmirli M., Aktaş A., Gülçin İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1228, 2021 (SCI-Expanded)
- XIII. **New Pd-PEPPSI complexes bearing meta-cyanobenzyl-Substituted NHC: Synthesis, characterization, crystal structure and catalytic activity in direct C-H arylation of (Hetero)arenes with aryl bromides**
Turker F., Bereket I., Barut Celepci D., Aktaş A., Gök Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1205, 2020 (SCI-Expanded)
- XIV. **Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors**
Erdemir F., Barut Celepci D., Aktaş A., Gök Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)
- XV. **A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties**
Aktaş A., Barut Celepci D., Gök Y., Taslimi P., Akincioglu H., Gülçin İ.
CRYSTALS, vol.10, no.3, 2020 (SCI-Expanded)
- XVI. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**
Sari Y., Gürses C., Barut Celepci D., Keleştemur Ü., Aktaş A., Yüksel Ş., Ateş B., Gök Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- XVII. **Novel cis-[PdCl₂(NHC)(PPh₃)] complex: synthesis, crystal structure, spectral investigations, DFT and NCI studies, prediction of biological activity**
Barut Celepci D.
JOURNAL OF COORDINATION CHEMISTRY, vol.73, no.4, pp.525-543, 2020 (SCI-Expanded)
- XVIII. **Prediction of Biological Activities, Structural Investigation and Theoretical Studies of meta-cyanobenzyl Substituted Benzimidazolium Salts**
Barut Celepci D., Aktaş A.
ACTA CHIMICA SLOVENICA, vol.67, no.3, pp.830-841, 2020 (SCI-Expanded)
- XIX. **New (NHC)Pd(II)(PPh₃) complexes: synthesis, characterization, crystal structure and its application on Sonogashira and Mizoroki-Heck cross-coupling reactions**
Erdemir F., Aktaş A., Barut Celepci D., Gök Y.
CHEMICAL PAPERS, vol.74, no.1, pp.99-112, 2020 (SCI-Expanded)
- XX. **Ruthenium(II) complexes bearing N-heterocyclic carbene ligands with wingtip groups and their catalytic activity in the transfer hydrogenation of ketones**
Yiğit B., Isik Y., Barut Celepci D., Evren E., Yiğit M., Gürbüz N., Özdemir İ.
INORGANICA CHIMICA ACTA, vol.499, 2020 (SCI-Expanded)
- XXI. **New morpholine-liganded palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**
Turker F., Gürses C., Barut Celepci D., Aktaş A., Ateş B., Gök Y.

- ARCHIV DER PHARMAZIE, vol.352, no.12, 2019 (SCI-Expanded)
- XXII. **Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**
Erdemir P., Barut Celepci D., Aktaş A., Gök Y., Kaya R., Taslimi P., Demir Y., Gülçin İ.
BIOORGANIC CHEMISTRY, vol.91, 2019 (SCI-Expanded)
- XXIII. **Synthesis, crystal structures, spectral FT-IR, NMR and UV-Vis investigations and Hirshfeld surface analysis of two new 2-hydroxyethyl-substituted N-heterocyclic carbene precursors**
Aktaş A., Barut Celepci D., Gök Y.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.66, no.10, pp.1389-1396, 2019 (SCI-Expanded)
- XXIV. **Novel 2-hydroxyethyl substituted N-coordinate-Pd(II)(NHC) and bis(NHC)Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction**
Aktaş A., Barut Celepci D., Gök Y.
JOURNAL OF CHEMICAL SCIENCES, vol.131, no.8, 2019 (SCI-Expanded)
- XXV. **New 2-hydroxyethyl substituted N-Heterocyclic carbene precursors: Synthesis, characterization, crystal structure and inhibitory properties against carbonic anhydrase and xanthine oxidase**
Aktaş A., Noma S. A. A., Barut Celepci D., Erdemir F., Gök Y., Ateş B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.487-494, 2019 (SCI-Expanded)
- XXVI. **Enamines of 1,3-dimethylbarbiturates and their symmetrical palladium(II) complexes: synthesis, characterization and biological activity**
Fırıncı R., Fırıncı E., Başbülbul G., Dabanca M. B., Barut Celepci D., Gunay M. E.
TRANSITION METAL CHEMISTRY, vol.44, no.4, pp.391-397, 2019 (SCI-Expanded)
- XXVII. **2-hydroxyethyl-substituted (NHC)Pd(II)(pyridine) (Pd-PEPPSI) Complexes: Synthesis, Characterization and the Catalytic Activity in the Sonogashira Cross-coupling Reaction**
Erdemir F., Barut Celepci D., Aktaş A., Gök Y.
CHEMISTRYSELECT, vol.4, no.19, pp.5585-5590, 2019 (SCI-Expanded)
- XXVIII. **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 CELEPCI D., GÖK Y., AYGÜN M.
TRANSITION METAL CHEMISTRY, vol.44, no.3, pp.229-236, 2019 (SCI-Expanded)
- XXIX. **Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties**
Aktaş A., Barut Celepci D., Kaya R., Taslimi P., Gök Y., Aygün M., Gülçin İ.
POLYHEDRON, vol.159, pp.345-354, 2019 (SCI-Expanded)
- XXX. **Synthesis and Structural Characterization of Two Novel Copper(II) Schiff Base Complexes and their Water-Containing Supramolecular Structures**
Barut Celepci D., Korkmaz N., Astley S. T., Aygun M.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.60, no.1, pp.151-158, 2019 (SCI-Expanded)
- XXXI. **2-Hydroxyethyl-Substituted (NHC)Pd(II)PPh₃ Complexes: Synthesis, Characterization, Crystal Structure and Its Application on Sonogashira Cross-Coupling Reactions in Aqueous Media**
Aktaş A., Barut Celepci D., Gök Y., Aygün M.
CHEMISTRYSELECT, vol.3, no.39, pp.10932-10937, 2018 (SCI-Expanded)
- XXXII. **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., Caglılar T., Barut Celepci D., Aktaş A., Taslimi P., Gök Y., Aygün M., Kaya R., Gülçin İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1170, pp.160-169, 2018 (SCI-Expanded)
- XXXIII. **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 Celepci D., Gök Y., Aygün M.
CHEMISTRYSELECT, vol.3, no.35, pp.9974-9980, 2018 (SCI-Expanded)
- XXXIV. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical**

comparisons

BARUT CELEPCI D., AKTAŞ A., GÖK Y., AYGÜN M.

ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.74, 2018 (SCI-Expanded)

- XXXV. **Synthesis, structural analysis, spectral investigations, and DFT calculations of 1-(3-amino-4-thia-1,2-diazaspiro[4.11]hexadec-2-en-1-yl)ethan-1-one**
Barut Celepci D., Yıldırım A., Sen B.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.65, no.8, pp.932-939, 2018 (SCI-Expanded)
- XXXVI. **Structural determination of biological active N-phenyl-2-phthalimidoethanesulfonamide derivatives**
Aygün M., Sevinçek R., Barut Celepci D., Akgül Ö.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.74, 2018 (SCI-Expanded)
- XXXVII. **meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**
Turker F., Barut Celepci D., Aktaş A., Taslimi P., Gök Y., Aygün M., Gülçin İ.
ARCHIV DER PHARMAZIE, vol.351, no.7, 2018 (SCI-Expanded)
- XXXVIII. **Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors**
Yiğit B., Yiğit M., Barut Celepci D., Gök Y., Aktaş A., Aygün M., Taslimi P., Gülçin İ.
CHEMISTRYSELECT, vol.3, no.27, pp.7976-7982, 2018 (SCI-Expanded)
- XXXIX. **New air stable diarylamino substituted diborane(4) derivatives: Synthesis and structures**
Barut Celepci D., Sepin E., Gokcen Y., Aygün M., Şahin Y.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.668, no.1, pp.91-104, 2018 (SCI-Expanded)
- XL. **2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, alpha-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**
Erdemir F., Barut Celepci D., Aktaş A., Taslimi P., Gök Y., Karabıyık H., Gülçin İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.797-806, 2018 (SCI-Expanded)
- XLI. **Spectroscopic, Structural and Density Functional Theory (DFT) Studies of Two Oxazol-5-one Derivatives**
Nazli I. H., BARUT CELEPCI D., Yakali G., TOPKAYA TAŞKIRAN D., AYGÜN M., ALP S.
ACTA CHIMICA SLOVENICA, vol.65, no.1, pp.86-96, 2018 (SCI-Expanded)
- XLII. **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 Celepci D., Kırbağ S., Kutlu T., Gök Y., Aygün M.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.11, pp.6379-6393, 2017 (SCI-Expanded)
- XLIII. **Synthesis, Characterization and Crystal Structure of New 2-Morpholinoethyl-Substituted Bis-(NHC)Pd(II) Complexes and the Catalytic Activity in the Direct Arylation Reaction**
Sari Y., Aktaş A., Barut Celepci D., Gök Y., Aygün M.
CATALYSIS LETTERS, vol.147, no.9, pp.2340-2351, 2017 (SCI-Expanded)
- XLIV. **Spiro copper(II)-metallacycles derived from 5-arylaminoethylene-barbituric acids: Synthesis and structural characterization**
Fırınçı E., Giziroğlu E., Barut Celepci D., Söyleyici H. C., Aygün M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1137, pp.113-118, 2017 (SCI-Expanded)
- XLV. **Crystal structure determination of four new copper (II) complexes containing ono type Schiff base ligands**
BARUT CELEPCI D., Korkmaz N., ASTLEY S. T., AYGÜN M.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.71, 2015 (SCI-Expanded)
- XLVI. **Synthesis, X-ray Structural and Thermal Analysis of a Novel Copper Compound Containing Dissymmetric Independent 5-and 6-coordinate CuL(H₂O)(n) (n=2, 3) Units and Hydrogen bond Bridges**
Barut Celepci D., Korkmaz N., Astley S. T., Aygün M.

ACTA CHIMICA SLOVENICA, vol.62, no.1, pp.88-94, 2015 (SCI-Expanded)

- XLVII. **Synthesis and structural characterization of two new isoindol derivatives**
Yakaly G., BARUT CELEPCI D., Granada Santiago G., BÜYÜKGÜNGÖR O., Ocal N., Gokce M., AYGÜN M.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.67, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Theoretical Study of 2-hydroxyethyl Substituted NHC Precursors Containing ortho-, meta- and para- methylbenzyl: Global Reactivity Descriptors and Prediction of Biological Activities**
Barut Celepci D.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.258-267, 2021 (Peer-Reviewed Journal)
- II. **Yüksek disordera sahip 2-fenil-4-[4-(1,4,7,10-tetraoksa-13-azasiklopentadesil)benziliden]-5-oksazolon Bileşiğinin Yapısal Karakterizasyonu ve DFT çalışmaları**
Barut Celepci D.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.1, pp.254-264, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Understanding the Biological Activity of Malvin as an Anthocyanin Compound Using Theoretical Approaches**
Barut Celepci D.
5. Ulusal Kristalografi Toplantısı, Samsun, Turkey, 17 - 19 May 2024, pp.1-3
- II. **Structural Characterization Studies with the Calculated Comparisons of Some Biological Active NHC Complexes**
BARUT CELEPCI D.
2nd International Conference on Agriculture, Technology, Engineering and Sciences, Lviv, Ukraine, 18 - 20 September 2019
- III. **Single Crystal X-Ray Structural Investigations of Three New Phthalimide Derivatives**
AYGÜN M., BARUT CELEPCI D., SEVİNÇEK R., AKGÜL Ö.
2nd International Conference on Agriculture, Technology, Engineering and Sciences, Lviv, Ukraine, 18 - 20 September 2019, pp.86
- IV. **Theoretical Studies and Spectroscopic FT-IR and NMR Comparisons of Two Pd-based N-heterocyclic carbene Complexes**
BARUT CELEPCI D.
4th International Turkish Congress on Molecular Spectroscopy, Kuşadası, Aydın, Turkey, 5 - 09 August 2019
- V. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**
BARUT CELEPCI D., Aktaş A., GÖK Y., AYGÜN M.
31st European Crystallographic Meeting, Oviedo, Spain, 22 - 27 August 2018
- VI. **Structural determination of biological active N-phenyl-2-phthalimidoethanesulfonamide derivatives**
AYGÜN M., SEVİNÇEK R., BARUT CELEPCI D., AKGÜL Ö.
31st European Crystallographic Meeting, Oviedo, Spain, 22 - 27 August 2018
- VII. **Kristalografinin Yaşam ve Malzeme Bilimlerindeki Önemi**
BARUT CELEPCI D.
Adım Fizik Günleri VII, Aydın, Turkey, 23 - 25 May 2018
- VIII. **Determination of the Structural Characterization of a Novel 2-Morpholinoethyl-Substituted Bis-(NHC) Pd(II) Complex and its Ligand**
Barut Celepci D.
European Conference of Science, Arts and Culture, Antalya, Turkey, 19 - 22 April 2018

- IX. **From Foods to Drugs: A Short Story of Crystallography**
BARUT CELEPCİ D.
European Conference of Science, Arts and Culture, Antalya, Turkey, 19 - 22 April 2018
- X. **Synthesis, Crystal Structures, Spectral FT-IR, NMR and UV-Vis Investigations and Theoretical Studies of Nphenyl-2-imino-5-methylthiophene and N-(4-chlorophenyl)-2-imino-5-methylthiophene**
BARUT CELEPCİ D., AKTAŞ A., YAKALI G., GÖK Y.
III. International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 - 29 August 2017
- XI. **Spectroscopic Details of the Synthesized Novel Benzofuran compound with Experimental and Quantum Chemical Studies: F-TIR, 1H-NMR, 13C-NMR and DFT**
YAKALI G., BARUT CELEPCİ D., BARIM E., DEĞİRMENCİ M., KIRILMIŞ C.
III. International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 - 29 August 2017
- XII. **Determination of Structural Characterization of the Two Novel Oxazole Compounds: Single Crystal X-ray Analysis, Density Functionality Theory, Spectroscopy**
YAKALI G., BARUT CELEPCİ D., Nazlı İ. H., TOPKAYA TAŞKIRAN D., ALP S.
2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 18 - 21 April 2017
- XIII. **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.
29th European Crystallographic Meeting, Rovinj, Croatia, 23 - 28 August 2015, vol.1, pp.422

Other Publications

- I. **Herkes için bilim (ortaokul öğrencilerine yönelik)**
Alaca Yıldırım E., Baylan P., Candan K., Canlı K., Yıldırım Caynak E., Barut Celepci D., Deniz M., Dişibüyük N. B., Doğan A., Gürbüz S. K., et al.
Other, pp.33-44, 2023

Supported Projects

2010 - 2013	Dokuz Eylül Üniversitesi X-Işını Kristalografi Laboratuvarının Kurulması, Project Supported by Higher Education Institutions
-------------	--

Memberships / Tasks in Scientific Organizations

2018 - Continues	International Union of Crystallography, Member
------------------	--

Scientific Refereeing

November 2023	JOURNAL OF MOLECULAR STRUCTURE, SCI Journal
October 2023	JOURNAL OF MOLECULAR STRUCTURE, SCI Journal
May 2023	JOURNAL OF MOLECULAR STRUCTURE, SCI Journal
December 2022	JOURNAL OF MOLECULAR STRUCTURE, SCI Journal
October 2022	JOURNAL OF MOLECULAR STRUCTURE, SCI Journal
August 2021	JOURNAL OF MOLECULAR STRUCTURE, SCI Journal
September 2019	APPLIED ORGANOMETALLIC CHEMISTRY, SCI Journal

Metrics

Publication: 66
Citation (WoS): 948
Citation (Scopus): 973
H-Index (WoS): 17
H-Index (Scopus): 17

Awards

December 2019	TOP CITED ARTICLE 2018-2019, Archiv Der Pharmazie, Wiley-Vch Gmbh
April 2018	Certificate of the Best Paper Award, 2Nd European Conference On Science, Art Culture
April 2018	ECM31 Young Scientist Award, International Union Of Crystallography