



# Doç. Dr. DUYGU BARUT CELEPCİ

## Kişisel Bilgiler

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

### Uluslararası Araştırmacı ID'leri

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ORCID: 0000-0003-1581-6208

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

ScopusID: 57194874374

Yoksis Araştırmacı ID: 227491

## Eğitim Bilgileri

2010 - 2016 Doktora, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye

2009 - 2010 Yüksek Lisans, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Yı) (Tezli), Türkiye

2003 - 2008 Lisans, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye

## Yabancı Diller

İngilizce, B2 Orta Üstü

## Sertifika, Kurs ve Eğitimler

2014 International Year of Crystallography, Mesleki Eğitim, UNESCO - IUCr

2012 JANA2006 Workshop, Mesleki Eğitim, Turkish Union of Crystallography (TUCr)

2011 UV-VIS/AAS/Microwave Sample Preparation Systems, Mesleki Eğitim, TERRA Analiz ve Ölçüm Cihazları Ticaret A.Ş.

## Yaptığı Tezler

2016 Üç dişli schiff bazlı ligandı ile sentezlenmiş bazlı bakır komplekslerinin yapısal karakterizasyonu, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Doktora

2010 Bazı oksalamid ve karbazol türevlerinin moleküller ve kristal yapı analizi, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Yı) (Tezli), Yüksek Lisans

## Araştırma Alanları

Moleküler Biyofizik, Fizik, Atom ve Molekül Fiziği, Disiplinlerarası Fizik ve İlgili Bilim ve Teknoloji Alanları, Yoğun Madde 1: Yapısal, Mekanik ve Termal Özellikler, Yoğun Madde 2: Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Temel Bilimler

## Akademik Unvanlar / Görevler

2015 - Devam Ediyor Doç. Dr., Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü

## Verdiği Dersler

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

## 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., Fırıncı E., Fırıncı R., Yakalı G., SEVİNÇEK R., BARUT CELEPCİ D.  
Journal of Molecular Structure, cilt.1299, 2024 (SCI-Expanded)
- II. 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)
- III. 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 Celepcı 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)
- IV. 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)
- V. Phthalimide-tethered imidazolium salts: Synthesis, characterization, enzyme inhibitory properties, and in silico studies  
Yiğit M., Demir Y., Barut Celepcı D., Taşkin Tok T., Arinc A., Yiğit B., Aygün M., Özdemir İ., Gülçin İ.  
ARCHIV DER PHARMAZIE, 2022 (SCI-Expanded)
- VI. Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties  
Yiğit M., Barut Celepcı D., Taslimi P., Yiğit B., Cetinkaya E., Özdemir İ., Aygün M., Gülçin İ.  
BIOORGANIC CHEMISTRY, cilt.120, 2022 (SCI-Expanded)
- VII. 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 Celepcı D., Aktaş A., Gök Y., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1246, 2021 (SCI-Expanded)
- VIII. Amine-functionalized benzimidazolium salts: Synthesis, structural characterization, hirshfeld surface analysis and theoretical studies  
Barut Celepcı D., Yiğit B., Yiğit M., Özdemir İ., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1239, 2021 (SCI-Expanded)

- IX. **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 Celepçi D., Sevinçek R., Şahin N., Gürbüz N., Özdemir İ.  
JOURNAL OF CHEMICAL RESEARCH, cilt.45, ss.596-607, 2021 (SCI-Expanded)
- X. **Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-functionalized PEPPSI type of Pd(II)NHC complexes**  
Dasgin S., Gök Y., Barut Celepçi D., Taslimi P., Izmirli M., Aktaş A., Gülçin İ.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1228, 2021 (SCI-Expanded)
- XI. **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 İ., Barut Celepçi D., Aktaş A., Gök Y.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1205, 2020 (SCI-Expanded)
- XII. **Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors**  
Erdemir F., Barut Celepçi D., Aktaş A., Gök Y.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1204, 2020 (SCI-Expanded)
- XIII. **A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties**  
Aktaş A., Barut Celepçi D., Gök Y., Taslimi P., Akincioglu H., Gülçin İ.  
CRYSTALS, cilt.10, sa.3, 2020 (SCI-Expanded)
- XIV. **Novel cis-[PdCl<sub>2</sub>(NHC)(PPh<sub>3</sub>)] complex: synthesis, crystal structure, spectral investigations, DFT and NCI studies, prediction of biological activity**  
Barut Celepçi D.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.73, sa.4, ss.525-543, 2020 (SCI-Expanded)
- XV. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**  
Sarı Y., Gürses C., Barut Celepçi D., Keleştemur Ü., Aktaş A., Yüksel Ş., Ateş B., Gök Y.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1202, 2020 (SCI-Expanded)
- XVI. **Prediction of Biological Activities, Structural Investigation and Theoretical Studies of meta-cyanobenzyl Substituted Benzimidazolium Salts**  
Barut Celepçi D., Aktaş A.  
ACTA CHIMICA SLOVENICA, cilt.67, sa.3, ss.830-841, 2020 (SCI-Expanded)
- XVII. **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 Celepçi D., Evren E., Yiğit M., Gürbüz N., Özdemir İ.  
INORGANICA CHIMICA ACTA, cilt.499, 2020 (SCI-Expanded)
- XVIII. **New (NHC)Pd(II)(PPh<sub>3</sub>) complexes: synthesis, characterization, crystal structure and its application on Sonogashira and Mizoroki-Heck cross-coupling reactions**  
Erdemir F., Aktaş A., Barut Celepçi D., Gök Y.  
CHEMICAL PAPERS, cilt.74, sa.1, ss.99-112, 2020 (SCI-Expanded)
- XIX. **New morpholine-ligated palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**  
Turker F., Gürses C., Barut Celepçi D., Aktaş A., Ateş B., Gök Y.  
ARCHIV DER PHARMAZIE, cilt.352, sa.12, 2019 (SCI-Expanded)
- XX. **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 Celepçi D., Gök Y.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, cilt.66, sa.10, ss.1389-1396, 2019 (SCI-Expanded)
- XXI. **Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**  
Erdemir P., Barut Celepçi D., Aktaş A., Gök Y., Kaya R., Taslimi P., Demir Y., Gülçin İ.

- BIOORGANIC CHEMISTRY, cilt.91, 2019 (SCI-Expanded)
- XXII. 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 Celepçi D., Gök Y.  
JOURNAL OF CHEMICAL SCIENCES, cilt.131, sa.8, 2019 (SCI-Expanded)
- XXIII. 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 Celepçi D., Erdemir F., Gök Y., Ateş B.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1184, ss.487-494, 2019 (SCI-Expanded)
- XXIV. Enamines of 1,3-dimethylbarbiturates and their symmetrical palladium(II) complexes: synthesis, characterization and biological activity  
Fırınç R., Fırınç E., Başbülbül G., Dabanca M. B., Barut Celepçi D., Gunay M. E.  
TRANSITION METAL CHEMISTRY, cilt.44, sa.4, ss.391-397, 2019 (SCI-Expanded)
- XXV. 2-hydroxyethyl-substituted (NHC)PdI2(pyridine) (Pd-PEPPSI) Complexes: Synthesis, Characterization and the Catalytic Activity in the Sonogashira Cross-coupling Reaction  
Erdemir F., Barut Celepçi D., Aktaş A., Gök Y.  
CHEMISTRYSELECT, cilt.4, sa.19, ss.5585-5590, 2019 (SCI-Expanded)
- XXVI. Mixed phosphine/N-heterocyclic carbene-palladium complexes: synthesis, characterization, crystal structure and application in the Sonogashira reaction in aqueous media  
AKTAŞ A., ERDEMİR F., BARUT CELEPCİ D., GÖK Y., AYGÜN M.  
TRANSITION METAL CHEMISTRY, cilt.44, sa.3, ss.229-236, 2019 (SCI-Expanded)
- XXVII. 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)
- XXVIII. 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)
- XXIX. 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)
- XXX. 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)
- XXXI. 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)
- XXXII. 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)
- XXXIII. 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 Celepçi D., Yıldırım A., Sen B.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, cilt.65, sa.8, ss.932-939, 2018 (SCI-Expanded)
- XXXIV. 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)
- XXXV. **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)
- XXXVI. **Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium 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)
- XXXVII. **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)
- XXXVIII. **2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, alpha-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**  
Erdemir F., Barut Celepçi D., Aktaş A., Taslimi P., Gök Y., Karabiyik H., Gülcin İ.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1155, ss.797-806, 2018 (SCI-Expanded)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **Spiro copper(II)-metallacycles derived from 5-arylaminomethylene-barbituric acids: Synthesis and structural characterization**  
Fırınçıcı E., Giziroğlu E., Barut Celepçi D., Söyleyici H. C., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1137, ss.113-118, 2017 (SCI-Expanded)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)

## Diğer Dergilerde Yayınlanan Makaleler

- 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 Celepçi D.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.11, sa.1, ss.258-267, 2021 (Hakemli Dergi)
- II. Yüksek disordera sahip 2-fenil-4-[4-(1,4,7,10-tetraoksa-13-azasiklopentadesil)benziliden]-5-oksazolon Bileşinin Yapısal Karakterizasyonu ve DFT çalışmaları  
Barut Celepçi D.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.21, sa.1, ss.254-264, 2019 (Hakemli Dergi)

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

- I. Understanding the Biological Activity of Malvin as an Anthocyanin Compound Using Theoretical Approaches  
Barut Celepçi D.  
5. Ulusal Kristalografi Toplantısı, Samsun, Türkiye, 17 - 19 Mayıs 2024, ss.1-3
- II. Structural Characterization Studies with the Calculated Comparisons of Some Biological Active NHC Complexes  
BARUT CELEPCİ D.  
2nd International Conference on Agriculture, Technology, Engineering and Sciences, Lviv, Ukrayna, 18 - 20 Eylül 2019
- III. 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
- IV. Theoretical Studies and Spectroscopic FT-IR and NMR Comparisons of Two Pd-based N-heterocyclic carbene Complexes  
BARUT CELEPCİ D.  
4th International Turkish Congress on Molecular Spectroscopy, Kuşadası, Aydın, Türkiye, 5 - 09 Ağustos 2019
- V. 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
- VI. 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
- VII. Kristalografının Yaşam ve Malzeme Bilimlerindeki Önemi  
BARUT CELEPCİ D.  
Adım Fizik Günleri VII, Aydın, Türkiye, 23 - 25 Mayıs 2018
- VIII. Determination of the Structural Characterization of a Novel 2-Morpholinoethyl-Substituted Bis-(NHC) Pd(II) Complex and its Ligand  
Barut Celepçi D.  
European Conference of Science, Arts and Culture, Antalya, Türkiye, 19 - 22 Nisan 2018
- IX. From Foods to Drugs: A Short Story of Crystallography  
BARUT CELEPCİ D.  
European Conference of Science, Arts and Culture, Antalya, Türkiye, 19 - 22 Nisan 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, Türkiye, 26 - 29 Ağustos 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., DEĞIRMENCİ M., KIRILMIŞ C.  
III. International Turkish Congress on Molecular Spectroscopy, Muğla, Türkiye, 26 - 29 Ağustos 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, Türkiye, 18 - 21 Nisan 2017
- XIII. 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

## Diğer Yayınlar

### I. Herkes için bilim (ortaokul öğrencilerine yönelik)

Alaca Yıldırım E., Baylan P., Candan K., Canlı K., Yıldırım Caynak E., Barut Celepcı D., Deniz M., Dişibüyük N. B., Doğan A., Gürbüzler S. K., et al.  
Diğer, ss.33-44, 2023

## Desteklenen Projeler

2010 - 2013 Dokuz Eylül Üniversitesi X-ışını Kristalografı Laboratuvarının Kurulması, Yükseköğretim Kurumları Destekli Proje

## Bilimsel Kuruluşlardaki Üyelikler / Görevler

2018 - Devam Ediyor International Union of Crystallography, Üye

## Bilimsel Hakemlikler

Kasım 2023	JOURNAL OF MOLECULAR STRUCTURE, SCI Kapsamındaki Dergi
Ekim 2023	JOURNAL OF MOLECULAR STRUCTURE, SCI Kapsamındaki Dergi
Mayıs 2023	JOURNAL OF MOLECULAR STRUCTURE, SCI Kapsamındaki Dergi
Aralık 2022	JOURNAL OF MOLECULAR STRUCTURE, SCI Kapsamındaki Dergi
Ekim 2022	JOURNAL OF MOLECULAR STRUCTURE, SCI Kapsamındaki Dergi
Ağustos 2021	JOURNAL OF MOLECULAR STRUCTURE, SCI Kapsamındaki Dergi
Eylül 2019	APPLIED ORGANOMETALLIC CHEMISTRY, SCI Kapsamındaki Dergi

## Metrikler

Yayın: 64  
Atıf (WoS): 948  
Atıf (Scopus): 902  
H-İndeks (WoS): 17  
H-İndeks (Scopus): 16

## Ödüller

Aralık 2019

TOP CITED ARTICLE 2018-2019, Archiv Der Pharmazie, Wiley-Vch Gmbh

Nisan 2018

Certificate of the Best Paper Award, 2Nd European Conference On Science, Art Culture

Nisan 2018

ECM31 Young Scientist Award, International Union Of Crystallography