



## 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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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 (YI) (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 bazı ligandı ile sentezlenmiş bazı bakır komplekslerinin yapısal karakterizasyonu, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Doktora
2010	Bazı oksalamid ve karbazol türevlerinin moleküler ve kristal yapı analizi, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Yüksek Lisans

### Araştırma Alanları

Biyoenformatik, Moleküler Biyofizik, Fizik, Atom ve Molekül Fiziği, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler

## Akademik Unvanlar / Görevler

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

## Verdiği Dersler

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

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- 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, cilt.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, cilt.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, cilt.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, cilt.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, cilt.41, sa.21, ss.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, cilt.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., Arinc 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, cilt.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, cilt.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, cilt.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, cilt.45, ss.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, cilt.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, cilt.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, cilt.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, cilt.10, sa.3, 2020 (SCI-Expanded)
- XVI. **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 Celepci D.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.73, sa.4, ss.525-543, 2020 (SCI-Expanded)
- XVII. **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, cilt.1202, 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 Celepci D., Gök Y.  
CHEMICAL PAPERS, cilt.74, sa.1, ss.99-112, 2020 (SCI-Expanded)
- XIX. **Prediction of Biological Activities, Structural Investigation and Theoretical Studies of meta-cyanobenzyl Substituted Benzimidazolium Salts**  
Barut Celepci D., Aktaş A.  
ACTA CHIMICA SLOVENICA, cilt.67, sa.3, ss.830-841, 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, cilt.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, cilt.352, sa.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, cilt.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, cilt.66, sa.10, ss.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, cilt.131, sa.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, cilt.1184, ss.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., Başbülbül G., Dabanca M. B., Barut Celepci D., Gunay M. E.  
TRANSITION METAL CHEMISTRY, cilt.44, sa.4, ss.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, cilt.4, sa.19, ss.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, cilt.44, sa.3, ss.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, cilt.159, ss.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, cilt.60, sa.1, ss.151-158, 2019 (SCI-Expanded)
- XXXI. **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 Celepci D., Gök Y., Aygün M.  
CHEMISTRYSELECT, cilt.3, sa.39, ss.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, cilt.1170, ss.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, cilt.3, sa.35, ss.9974-9980, 2018 (SCI-Expanded)
- XXXIV. **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., Yildirim A., Sen B.

JOURNAL OF THE CHINESE CHEMICAL SOCIETY, cilt.65, sa.8, ss.932-939, 2018 (SCI-Expanded)

- XXXV. **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, cilt.74, 2018 (SCI-Expanded)
- XXXVI. **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)
- 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, cilt.351, sa.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, cilt.3, sa.27, ss.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, cilt.668, sa.1, ss.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, cilt.1155, ss.797-806, 2018 (SCI-Expanded)
- XLI. **Spectroscopic, Structural and Density Functional Theory (DFT) Studies of Two Oxazol-5-one Derivatives**  
Nazli I. H., BARUT CELEPCİ D., Yakali G., TOPKAYA TAŞKIRAN D., AYGÜN M., ALP S.  
ACTA CHIMICA SLOVENICA, cilt.65, sa.1, ss.86-96, 2018 (SCI-Expanded)
- XLII. **Substituent position effect on the crystal structures of N-phenyl-2-phthalimidoethanesulfonamide derivatives**  
Sevinçek R., Barut Celepci D., Koca S. K., Akgül Ö., Aygun M.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, cilt.74, ss.31-54, 2018 (SCI-Expanded)
- XLIII. **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 Celepci D., Alkan L., Korkmaz N., Aygün M., Astley S. T.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.31, sa.12, 2017 (SCI-Expanded)
- XLIV. **Synthesis, characterization, crystal structure, and antimicrobial studies of 2-morpholinoethyl-substituted benzimidazolium salts and their silver(I)-N-heterocyclic carbene complexes**  
Yildirim I., Aktaş A., Barut Celepci D., Kırbağ S., Kutlu T., Gök Y., Aygün M.  
RESEARCH ON CHEMICAL INTERMEDIATES, cilt.43, sa.11, ss.6379-6393, 2017 (SCI-Expanded)
- XLV. **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, cilt.147, sa.9, ss.2340-2351, 2017 (SCI-Expanded)
- XLVI. **Spiro copper(II)-metallacycles derived from 5-arylaminoethylene-barbituric acids: Synthesis and structural characterization**  
Fırıncı E., Giziroğlu E., Barut Celepci D., Söyleyici H. C., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1137, ss.113-118, 2017 (SCI-Expanded)

- XLVII. **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)
- XLVIII. **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 Celepci D., Korkmaz N., Astley S. T., Aygün M.  
ACTA CHIMICA SLOVENICA, cilt.62, sa.1, ss.88-94, 2015 (SCI-Expanded)
- XLIX. **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 Celepci 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 Bileşiğinin Yapısal Karakterizasyonu ve DFT çalışmaları**  
Barut Celepci 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 Celepci 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. **Kristalografinin 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 Celepci 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., DEĞİRMENCİ 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., NAZLI 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 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, 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 Celepci D., Deniz M., Dişibüyük N. B., Doğan A., Gürbüz S. K., et al.

Diğer, ss.33-44, 2023

## Desteklenen Projeler

2010 - 2013

Dokuz Eylül Üniversitesi X-ışını Kristalografi 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: 66  
Atıf (WoS): 948  
Atıf (Scopus): 981  
H-İndeks (WoS): 17  
H-İndeks (Scopus): 17

## 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