

## **Assoc. Prof. AYDIN AKTAŞ**

### **Personal Information**

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**Address:** İnönü Üniversitesi Sağlık Hizmetleri MYO Tibbi Hizmetler ve Teknikler Programı, Battalgazi / MALATAY

### **International Researcher IDs**

ORCID: 0000-0001-8496-6782

Publons / Web Of Science ResearcherID: J-6194-2019

ScopusID: 56735838100

Yoksis Researcher ID: 277843

### **Education Information**

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Organik Kimya, Turkey 2012 - 2017

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Organik Kimya, Turkey 2010 - 2012

Undergraduate, Selcuk University, Faculty Of Education, Kimya Öğretmenliği, Turkey 1997 - 2001

### **Foreign Languages**

English, B1 Intermediate

### **Dissertations**

Doctorate, Pd-N-Heterosiklik Karben Komplekslerinin Sentezi, Özellikleri, Katalitik Aktiviteleri ve Antikanser Uygulamaları, Inonu University, Fen Bilimleri Üniversitesi, Organik Kimya, 2017

Postgraduate, (1,3-dialkilimidazolin-2-iliden)-Gümüş ve Rutenum Komplekslerinin Sentezi ve Özellikleri, Inonu University, Fen Bilimleri Enstitüsü, Organik Kimya, 2012

### **Research Areas**

Chemistry, Catalysis, Metal Carbene Complexes, Organic Chemistry, Chemistry of Heterocyclic Compounds, Organic Spectroscopy, Organometallics

### **Academic Titles / Tasks**

Associate Professor, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tibbi Hizmetler Ve Teknikler, 2021 - Continues

Assistant Professor, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tibbi Hizmetler Ve Teknikler, 2020 - 2021

## **Academic and Administrative Experience**

BAP Koordinatör Yardımcısı, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2021  
- Continues

BAP Scientific Commissioner, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2021  
- Continues

Mevlana Exchange Program Coordinator, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2021 - Continues

Assistant Director of Vocational School, Inonu University, 2022 - 2023

## **Courses**

ORGANİK SPEKTROSKOPİ, Postgraduate, 2022 - 2023

Organik Kimya, Associate Degree, 2020 - 2021

Çocukta Bilim ve Teknoloji, Associate Degree, 2020 - 2021

Temel Kimya, Associate Degree, 2020 - 2021

Quality Assurance and Standards, Associate Degree, 2019 - 2020

Laboratuvar Aletleri ve Sterilizasyon, Associate Degree, 2020-2021

Temel Kimya, Associate Degree, 2020-2021

Kalite Güvencesi, Associate Degree, 2020-2021

Laboratory Tools and Sterilization, Associate Degree, 2019 - 2020

İlaç Kimyası, Associate Degree, 2020 - 2021

İlaç Kimyası, Associate Degree, 2020-2021

Laboratuvar Aletleri ve Sterilizasyon, Associate Degree, 2020 - 2021

Basic Information Technologies, Associate Degree, 2019 - 2020

Kalite Güvence ve Standartlar, Associate Degree, 2020-2021

Temel Bilgi Teknolojileri, Associate Degree, 2019-2020

Kalite Güvence ve Standart, Associate Degree, 2019-2020

Laboratuvar Aletleri Sterilizasyon, Associate Degree, 2019-2020

## **Advising Theses**

Gök Y., Aktaş A., ELEKTRON ÇEKİCİ GRUP İÇEREN KARBEN ÖNCÜLLERİ VE KARBEN KOMPLEKSLERİ, Postgraduate, Ö.Demirci(Student), 2021

## **Jury Memberships**

Doctoral Examination, Doctoral Examination, Eskişehir Teknik Üniversitesi, June, 2023

Doctoral Examination, Doctoral Examination, Eskişehir Teknik Üniversitesi, June, 2023

Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2022

Doctoral Examination, Doctoral Examination, İnönü Üniversitesi, January, 2022

Post Graduate, Post Graduate, İnönü Üniversitesi, July, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İnönü Üniversitesi, April, 2021

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Benzimidazolium Salts Bearing Nitrile Moieties: Synthesis, Enzyme Inhibition Profiling, and Molecular Docking Analysis for Carbonic Anhydrase and Acetylcholinesterase**  
Öner E., Gök Y., Demir Y., Taşkın Tok T., Aktaş A., Gülçin İ., Yalın S.

- CHEMISTRY AND BIODIVERSITY, vol.21, no.2, pp.1-14, 2023 (SCI-Expanded)
- II. **Acetylphenyl-substituted imidazolium salts: synthesis, characterization, in silico studies and inhibitory properties against some metabolic enzymes**  
Demirci Ö., Tezcan B., Demir Y., Taşkin Tok T., Gök Y., Aktaş A., Güzel B., Gülçin İ.  
MOLECULAR DIVERSITY, vol.27, pp.2767-2787, 2023 (SCI-Expanded)
- III. **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., Taşkin Tok T., Aktaş A., Gök Y., Aygün M., Gülçin I.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.38, no.1, pp.1-14, 2023 (SCI-Expanded)
- IV. **N-Heterocyclic Compounds, in silico Molecular Docking Studies, and in vitro Enzyme Inhibition Effect Against Acetylcholinesterase Inhibitors**  
Güzel A., İşık Z., Gök Y., Taşkin Tok T., Aktaş A.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.2023, pp.2416-2426, 2023 (SCI-Expanded)
- V. **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., Taşkin Tok T., Aktaş A., Ateş B., Osman B., Aygün M., Gök Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1287, no.135640, pp.1-10, 2023 (SCI-Expanded)
- VI. **The Cytotoxicity Profile, Apoptosis Mechanism, and Molecular Docking Studies of a Series of Benzimidazolium Derivative Morpholine-Substituted Ag(I) Heterocyclic Carbene Complexes**  
Kutlu T., Yıldırım I., Dikmen M., Taşkin Tok T., Aktaş A., Gök Y.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.57, no.1, pp.10-28, 2023 (SCI-Expanded)
- VII. **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., Gülçin İ.  
BIOORGANIC CHEMISTRY, vol.135, no.106513, pp.1-13, 2023 (SCI-Expanded)
- VIII. **Fluorinated benzimidazolium salts: Synthesis, characterization, molecular docking studies and inhibitory properties against some metabolic enzymes**  
Zengin R., Gök Y., Demir Y., Şen Yüksel B., Taşkin Tok T., Aktaş A., Demirci Ö., Gülçin İ., Aygün M.  
JOURNAL OF FLUORINE CHEMISTRY, vol.267, no. 110094, pp.1-12, 2023 (SCI-Expanded)
- IX. **Synthesis of Thiazole-Chalcone Hybrid Molecules: Antioxidant, Alpha( $\alpha$ )-Amylase Inhibition and Docking Studies**  
Iqbal H., Akhtar , Haroon M., Aktaş A., Tahir , Ehsan M.  
CHEMISTRY AND BIODIVERSITY, vol.1134, pp.1-12, 2023 (SCI-Expanded)
- X. **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 İ., Taşkin Tok T., Gök Y., Ateş B., Aktaş A., Aygün M., Tezcan B.  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, vol.42, pp.1-20, 2023 (SCI-Expanded)
- XI. **Benzimidazolium Salts Containing Trifluoromethoxybenzyl: Synthesis, Characterization, Crystal Structure, Molecular Docking Studies and Enzymes Inhibitory Properties**  
Hamide M., Gök Y., Demir Y., Sevinçek R., Taşkin T., Tezcan B., Aktaş A., Gülçin İ., Aygün M., Güzel B.  
CHEMISTRY AND BIODIVERSITY, vol.202200257, pp.1-12, 2022 (SCI-Expanded)
- XII. **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., Taşkin Tok T., Kolaç T., Aktaş A., Ateş B., Aygün M., Gök Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.134320, pp.1-11, 2022 (SCI-Expanded)
- XIII. **The palladium-based complexes bearing 1,3-dibenzylbenzimidazolium with morpholine, triphenylphosphine, and pyridine derivate ligands: synthesis, characterization, structure and enzyme inhibitions**  
Aktaş A., Yakalı G., Demir Y., Gülçin İ., Aygün M., Gök Y.  
HELIYON, vol.8, no.9, pp.1-11, 2022 (SCI-Expanded)

- XIV. **New PEPPSI-Pd-NHC complexes bearing 4-hydroxyphenylethyl group: Synthesis, characterization, molecular docking, and bioactivity properties**  
Behçet A., Taslimi P., Gök Y., Aktaş A., Taşkin Tok T., Gülcin İ.  
ARCHIV DER PHARMAZIE, vol.276, pp.1-13, 2022 (SCI-Expanded)
- XV. **Pentafluorobenzyl-substituted benzimidazolium salts: Synthesis, characterization, crystal structures, computational studies and inhibitory properties of some metabolic enzymes**  
Hamide M., Gök Y., Demir Y., Yakalı G., Taşkin Tok T., Aktaş A., Sevinçek R., Güzel B., Gülcin İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, pp.1-15, 2022 (SCI-Expanded)
- XVI. **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., Sevinçek R., Taslimi P., Taşkin Tok T., Aktaş A., Güzel B., Aygün M., Gülcin İ.  
Journal Of Biochemical And Molecular Toxicology, vol.23001, pp.1-16, 2022 (SCI-Expanded)
- XVII. **Synthesis, Characterization, DNA Binding and Anticancer Activities of The Imidazolidine-Functionalized (NHC)Ru(II) Complexes**  
Gürses C., Aktaş A., Balcioglu S., Fadhilah A., Gök Y., Ateş B.  
JOURNAL OF MOLECULAR STRUCTURE, vol.131350, no.1247, pp.1-9, 2022 (SCI-Expanded)
- XVIII. **A study about excellent xanthine oxidase inhibitory effects of new pyridine salts**  
Yilmaz U., Noma S. A. A., Tok T. T., Sen B., GÖK Y., AKTAŞ A., ATEŞ B., AYGÜN M.  
MONATSHEFTE FÜR CHEMIE, vol.152, no.10, pp.1251-1260, 2021 (SCI-Expanded)
- XIX. **Benzimidazole-Functionalized PEPPSI type Pd(II)NHC Complexes Bearing Nitrophenylethyl and Hydroxyphenylethyl Group: Synthesis, Characterization, Crystal Structure and it's Catalytic Activity on Direct Arylation Reaction**  
Çağlılar T., Behçet A., Celepçi D. B., Aktaş A., Gök Y., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1446, pp.1-12, 2021 (SCI-Expanded)
- XX. **Synthesis, characterization, crystal structure, alpha-glycosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts**  
BAL S., Demirci O., ŞEN B., Taslimi P., AKTAŞ A., GÖK Y., AYGÜN M., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.354, no.5, 2021 (SCI-Expanded)
- XXI. **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 Ö., Şen B., Taşkin Tok T., Taslimi P., Aktaş A., Gök Y., Aygün M., Gülcin İ.  
Applied Organometallic Chemistry, vol.2021, no.6312, pp.1-12, 2021 (SCI-Expanded)
- XXII. **PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures,  $\alpha$ -glycosidase and acetylcholinesterase inhibitory properties**  
Bal S., Demirci Ö., Şen B., Taslimi P., Aktaş A., Gök Y., Aygün M., Gülcin İ.  
Polyhedron, vol.198, pp.1-10, 2021 (SCI-Expanded)
- XXIII. **Novel silver(I)N-heterocyclic carbene complexes bearing 2-(4-hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties**  
Behcet A., AKTAŞ A., GÖK Y., Kaya R., Taslimi P., GÜLÇİN İ.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.2, pp.603-611, 2021 (SCI-Expanded)
- XXIV. **Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds**  
Kazancı A., GÖK Y., Kaya R., AKTAŞ A., Taslimi P., GÜLÇİN İ.  
Polyhedron, vol.193, 2021 (SCI-Expanded)
- XXV. **Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-functionalized PEPPSI type of Pd(II)NHC complexes**  
Daşgın S., Gök Y., Celepçi D. B., Taslimi P., İzmirli M., Aktaş A., Gülcin İ.  
JOURNAL OF MOLECULAR STRUCTURE, pp.1-9, 2020 (SCI-Expanded)
- XXVI. **The (NHC)PdBr<sub>2</sub>(2-aminopyridine) complexes: synthesis, characterization, molecular docking study,**

- and inhibitor effects on the human serum carbonic anhydrase and serum bovine xanthine oxidase**  
Turker F., Noma S. A. A., AKTAŞ A., Al-Khafaji K., Tok T. T., ATEŞ B., GÖK Y.  
MONATSHEFTE FÜR CHEMIE, vol.151, no.10, pp.1557-1567, 2020 (SCI-Expanded)
- XXVII. New Pd-PPEPSI complexes bearing meta-cyanobenzyl-Substituted NHC: Synthesis, characterization, crystal structure and catalytic activity in direct C-H arylation of (Hetero)arenes with aryl bromides**  
TÜRKER F., BEREKET I., Celepçi D. B., AKTAŞ A., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1205, 2020 (SCI-Expanded)
- XXVIII. Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors**  
ERDEMİR F., Celepçi D. B., AKTAŞ A., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)
- XXIX. A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties**  
AKTAŞ A., Celepçi D., GÖK Y., Taslimi P., Akincioglu H., GÜLÇİN İ.  
CRYSTALS, vol.10, no.3, 2020 (SCI-Expanded)
- XXX. 4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**  
SARı Y., GÜRSES C., Celepçi D. B., Kelestemur U., AKTAŞ A., YÜKSEL Ş., ATEŞ B., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- XXXI. Novel 2-methylimidazolium salts: Synthesis, characterization, molecular docking, and carbonic anhydrase and acetylcholinesterase inhibitory properties**  
Bal S., Kaya R., GÖK Y., Taslimi P., AKTAŞ A., Karaman M., GÜLÇİN İ.  
BIOORGANIC CHEMISTRY, vol.94, 2020 (SCI-Expanded)
- XXXII. Prediction of biological activities, structural investigation and theoretical studies of meta-cyanobenzyl substituted benzimidazolium salts**  
Celepçi D. B., AKTAŞ A.  
Acta Chimica Slovenica, vol.67, no.3, pp.830-841, 2020 (SCI-Expanded)
- XXXIII. Chemistry, structure, and biological roles of Au-NHC complexes as TrxR inhibitors**  
KARAASLAN M. G., AKTAŞ A., GÜRSES C., GÖK Y., ATEŞ B.  
BIOORGANIC CHEMISTRY, vol.95, 2020 (SCI-Expanded)
- XXXIV. 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., CELEPCİ D. B., GÖK Y.  
CHEMICAL PAPERS, vol.74, no.1, pp.99-112, 2020 (SCI-Expanded)
- XXXV. New morpholine-ligated palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**  
TÜRKER F., GÜRSES C., Celepçi D. B., AKTAŞ A., ATEŞ B., GÖK Y.  
ARCHIV DER PHARMAZIE, vol.352, no.12, 2019 (SCI-Expanded)
- XXXVI. A New Palladium Complex Containing the Mixture of Carbene and Phosphine Ligands: Synthesis, Crystal Structure and Spectral FT-IR, NMR and UV-Vis Researches**  
AKTAŞ A.  
CHINESE JOURNAL OF STRUCTURAL CHEMISTRY, vol.38, no.10, pp.1664-1672, 2019 (SCI-Expanded)
- XXXVII. Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**  
Erdemir P., Celepçi D. B., AKTAŞ A., GÖK Y., Kaya R., Taslimi P., Demir Y., GÜLÇİN İ.  
BIOORGANIC CHEMISTRY, vol.91, 2019 (SCI-Expanded)
- XXXVIII. 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., CELEPCİ D. B., GÖK Y.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.66, no.10, pp.1389-1396, 2019 (SCI-Expanded)
- XXXIX. Yeni Morfolinoetil-Sübstitüyeli (NHC)PdBr<sub>2</sub>(3-Kloropiridin) Kompleksleri: Sentez, Karakterizasyon**

**ve Suzuki-Miyaura Reaksiyonundaki Katalitik Aktivite**

AKTAŞ A.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.2, pp.374-380, 2019 (SCI-Expanded)

- XL. **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., Celepçi D. B., Goek Y.

JOURNAL OF CHEMICAL SCIENCES, vol.131, no.8, 2019 (SCI-Expanded)

- XLI. **2-hydroxyethyl-substituted (NHC)PdI<sub>2</sub>(pyridine) (Pd-PEPPSI) Complexes: Synthesis, Characterization and the Catalytic Activity in the Sonogashira Cross-coupling Reaction**

Erdemir F., CELEPCİ D. B., AKTAŞ A., GÖK Y.

CHEMISTRYSELECT, vol.4, no.19, pp.5585-5590, 2019 (SCI-Expanded)

- XLII. **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., CELEPCİ D. B., Erdemir F., GÖK Y., ATEŞ B.

JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.487-494, 2019 (SCI-Expanded)

- XLIII. **Mixed phosphine/N-heterocyclic carbene-palladium complexes: synthesis, characterization, crystal structure and application in the Sonogashira reaction in aqueous media**

AKTAŞ A., Erdemir F., CELEPCİ D. B., GÖK Y., AYGÜN M.

TRANSITION METAL CHEMISTRY, vol.44, no.3, pp.229-236, 2019 (SCI-Expanded)

- XLIV. **Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties**

AKTAŞ A., CELEPCİ D. B., Kaya R., Taslimi P., GÖK Y., AYGÜN M., GÜLÇİN İ.

POLYHEDRON, vol.159, pp.345-354, 2019 (SCI-Expanded)

- XLV. **2-methyl-1,4-benzodioxan-substituted bis(NHC)PdX<sub>2</sub> complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction of some 2-alkyl-heterocyclic compounds**

GÖK Y., AKTAŞ A., Sari Y., Erdogan H.

JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.16, no.2, pp.423-433, 2019 (SCI-Expanded)

- XLVI. **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., CELEPCİ D. B., GÖK Y., AYGÜN M.

CHEMISTRYSELECT, vol.3, no.39, pp.10932-10937, 2018 (SCI-Expanded)

- XLVII. **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., CELEPCİ D. B., AKTAŞ A., Taslimi P., GÖK Y., AYGÜN M., Kaya R., GÜLÇİN İ.

JOURNAL OF MOLECULAR STRUCTURE, vol.1170, pp.160-169, 2018 (SCI-Expanded)

- XLVIII. **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., CELEPCİ D. B., GÖK Y., AYGÜN M.

CHEMISTRYSELECT, vol.3, no.35, pp.9974-9980, 2018 (SCI-Expanded)

- XLIX. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**

Celepçi D. B., AKTAŞ A., GÖK Y., Aygun M.

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

- L. **Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors**

YİĞİT B., YİĞİT M., CELEPCİ D. B., GÖK Y., AKTAŞ A., AYGÜN M., Taslimi P., GÜLÇİN İ.

CHEMISTRYSELECT, vol.3, no.27, pp.7976-7982, 2018 (SCI-Expanded)

- LI. **meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**

- TÜRKER F., Celepçi D. B., AKTAŞ A., Taslimi P., GÖK Y., Aygun M., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.351, no.7, 2018 (SCI-Expanded)
- LII. **2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, alpha-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**  
Erdemir F., CELEPCİ D. B., AKTAŞ A., Taslimi P., GÖK Y., KARABIYIK H., GÜLÇİN İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.797-806, 2018 (SCI-Expanded)
- LIII. **New 4-vinylbenzyl-substituted bis(NHC)-Pd(II) complexes: Synthesis, characterization and the catalytic activity in the direct arylation reaction**  
GÖK Y., AKTAŞ A., Erdogan H., Sari Y.  
INORGANICA CHIMICA ACTA, vol.471, pp.735-740, 2018 (SCI-Expanded)
- LIV. **N-Propylphthalimide-substituted bis-(NHC)PdX<sub>2</sub> complexes: synthesis, characterization and catalytic activity in direct arylation reactions**  
Erdogan H., AKTAŞ A., GÖK Y., Sari Y.  
TRANSITION METAL CHEMISTRY, vol.43, no.1, pp.31-37, 2018 (SCI-Expanded)
- LV. **Effects of salicylic acid and organic selenium on wheat (*Triticum aestivum L.*) exposed to fenoxaprop-p-ethyl**  
Akbulut G. B., YİĞİT E., KAYA A., AKTAŞ A.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.148, pp.901-909, 2018 (SCI-Expanded)
- LVI. **2-Morpholinoethyl-substituted N-heterocyclic carbene (NHC) precursors and their silver(I)NHC complexes: synthesis, crystal structure and in vitro anticancer properties**  
AKTAŞ A., KELEŞTEMUR U., GÖK Y., BALCIOGLU S., ATEŞ B., Aygun M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.15, no.1, pp.131-139, 2018 (SCI-Expanded)
- LVII. **Novel N-propylphthalimide- and 4-vinylbenzyl-substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes**  
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Kutlu T., Gök Y., Yıldırım I., Aktaş A., Project Supported by Higher Education Institutions, Yeni Bir Seri Benzimidazol esaslı Ag(I)-N-Heterosiklik Karben (NHC) Komplekslerinin Akciğer Kanseri (A549) ve Akciğer normal (CCD -19Lu) Hücre Hatları Üzerinde Sitotoksik Aktivitesinin ve Apoptotik Mekanizmasının Araştırılması 2016., 2016 - 2017

Gök Y., Aktaş A., Project Supported by Higher Education Institutions, 1,3-dialkilimidazolin-2-iliden gümüş ve rutenyum komplekslerinin sentezi ve özellikleri, 2011 - 2012

## Activities in Scientific Journals

İnönü Üniversitesi Sağlık Hizmetleri Meslek Yüksekokulu Dergisi, Committee Member, 2020 - 2022

## Scientific Refereeing

INORGANICA CHIMICA ACTA, SCI Journal, April 2024  
INORGANICA CHIMICA ACTA, SCI Journal, April 2024  
SCIENTIFIC REPORTS, SCI Journal, April 2024  
CHEMISTRYSELECT, SCI Journal, March 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, March 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, February 2024  
JOURNAL OF MOLECULAR RECOGNITION, SCI Journal, February 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, February 2024  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, SCI Journal, January 2024  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY REPORTS, SCI Journal, January 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, December 2023  
CHEMISTRYSELECT, SCI Journal, November 2023  
FLAVOUR AND FRAGRANCE JOURNAL, SCI Journal, October 2023  
NEW JOURNAL OF CHEMISTRY, SCI Journal, September 2023  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, SCI Journal, September 2023  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, September 2023  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, July 2023  
BIOORGANIC CHEMISTRY, SCI Journal, July 2023  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, SCI Journal, June 2023  
Bartin University International Journal of Natural and Applied Sciences, Other Indexed Journal, April 2023  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, SCI Journal, April 2023  
BIOORGANIC CHEMISTRY, SCI Journal, March 2023  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, March 2023  
MATERIALS TODAY : PROCEEDINGS, SCI Journal, February 2023  
FUTURE MEDICINAL CHEMISTRY, SCI Journal, February 2023  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, SCI Journal, February 2023  
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BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, SCI Journal, January 2023  
INORGANICA CHIMICA ACTA, SCI Journal, December 2022  
JOURNAL OF OLEO SCIENCE, SCI Journal, December 2022  
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CHEMISTRY AND BIODIVERSITY, SCI Journal, September 2022  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, September 2022  
AFRICAN HEALTH SCIENCES , Other Indexed Journal, August 2022  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, Journal Indexed in SCI-E, August 2022  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, July 2022  
POLYHEDRON, Journal Indexed in SCI-E, June 2022  
ASIAN JOURNAL OF ORGANIC CHEMISTRY, Journal Indexed in SCI-E, May 2022  
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POLYHEDRON, Journal Indexed in SCI-E, March 2022  
DRUG AND CHEMICAL TOXICOLOGY, Journal Indexed in SCI-E, February 2022  
POLYHEDRON, Journal Indexed in SCI-E, February 2022  
HEALTHCARE ANALYTICS, Journal Indexed in ESCI, January 2022

Asian Journal of Organic Chemistry, Journal Indexed in SCI-E, January 2022  
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Polyhedron, Journal Indexed in SCI-E, January 2022  
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Bioorganic Chemistry, Journal Indexed in SCI-E, March 2021  
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Medicinal Chemistry, Journal Indexed in SCI-E, February 2021  
Asian Journal of Organic Chemistry, Journal Indexed in SCI-E, January 2021  
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Medicinal Chemistry, Journal Indexed in SCI-E, November 2020  
Medicinal Chemistry, Journal Indexed in SCI-E, September 2020  
Journal Of Biomolecular Structure & Dynamics, Journal Indexed in SCI-E, August 2020  
NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, July 2020  
Catalysis Letters, Journal Indexed in SCI-E, June 2020  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Journal Indexed in SCI-E, June 2020  
Medicinal Chemistry Research, Journal Indexed in SCI-E, May 2020  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, April 2020  
Applied Organometallic Chemistry, Journal Indexed in SCI-E, April 2020  
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Medicinal Chemistry, Journal Indexed in SCI-E, March 2020  
APPLIED ORGANOMETALLIC CHEMISTRY, SCI Journal, February 2020  
Applied Organometallic Chemistry, Journal Indexed in SCI-E, February 2020  
NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, January 2020  
Chemistry-An Asian Journal, Journal Indexed in SCI-E, January 2020  
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NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2019  
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ACS OMEGA, Journal Indexed in SCI-E, October 2019

Applied Organometallic Chemistry, Journal Indexed in SCI-E, October 2019  
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Chemistry-An Asian Journal, Journal Indexed in SCI-E, September 2019  
Applied Organometallic Chemistry, Journal Indexed in SCI-E, September 2019  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, August 2019  
CHEMISTRYSELECT, Journal Indexed in SCI-E, July 2019  
International Journal Of Food Properties, Journal Indexed in SCI-E, June 2019  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, May 2019  
Journal Of Thermal Analysis And Calorimetry, Journal Indexed in SCI-E, May 2019  
NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, January 2019  
Archiv Der Pharmazie, Journal Indexed in SCI-E, July 2018  
Synthetic Communications, Journal Indexed in SCI-E, May 2018  
Applied Organometallic Chemistry, Journal Indexed in SCI-E, April 2018  
Catalysis Science & Technology, Journal Indexed in SCI-E, November 2017  
New Journal Of Chemistry, Journal Indexed in SCI-E, October 2016  
Synthetic Communications, Journal Indexed in SCI-E, August 2016

## Metrics

Publication: 126  
Citation (WoS): 1449  
Citation (Scopus): 1455  
H-Index (WoS): 22  
H-Index (Scopus): 22

## Congress and Symposium Activities

2. KAHRAMANMARAŞ BİYOKİMYA GÜNLERİ, Invited Speaker, Kahramanmaraş, Turkey, 2022  
EURASIANBIOCHEM 2022, Attendee, Ankara, Turkey, 2022  
1st International Conference on Innovative Academic Studies. , Attendee, Konya, Turkey, 2022  
5th International Science Symposium "New Horizons in Science" , Attendee, Sarajevo, Bosnia And Herzegovina, 2022  
5. International Organic Chemistry Congress, Attendee, Malatya, Turkey, 2021  
3st International Conference on Physical Chemistry & Functional Materials (PCFM20), Attendee, Malatya, Turkey, 2020  
32. Ulusal Kimya Kongresi, Attendee, Ankara, Turkey, 2020  
2023 EĞİTİM VİZYONU MALATYA ÇALIŞTAYI , Moderator, Malatya, Turkey, 2019  
7 th NATIONAL CATALYSIS CONGRESS (NCC7), Attendee, Denizli, Turkey, 2018  
1st International Conference on Physical Chemistry and Functional Materials (PCFM18), Attendee, Elazığ, Turkey, 2018  
III. Ulusal Organik Kimya Kongresi (ORGKON 2016), Attendee, Trabzon, Turkey, 2016  
8. ULUSAL KATALİZ YAZ OKULU 3. ANADOLU KATALİZ OKULU , Attendee, Malatya, Turkey, 2013

## Non Academic Experience

TUBITAK, TÜBİTAK, TÜBİTAK  
TUBITAK, TÜBİTAK, TÜBİTAK  
Other Public Institution, Milli Eğitim Bakanlığı  
MİLLÎ EĞİTİM BAKANLIĞI