

## Assoc. Prof. AYDIN AKTAŞ

### Personal Information

**Office Phone:** [+90 422 341 0051](tel:+904223410051) Extension: 160

**Fax Phone:** [+90 422 341 0064](tel:+904223410064)

**Email:** [aydin.aktas@inonu.edu.tr](mailto:aydin.aktas@inonu.edu.tr)

**Web:** <https://avesis.inonu.edu.tr/aydin.aktas>

**Address:** İnönü Üniversitesi Sağlık Hizmetleri MYO Tıbbi Hizmetler ve Teknikler Programı, Battalgazi / MALATYA

### 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 Rutenyum 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, Tıbbi Hizmetler ve Teknikler, 2021 - Continues

Assistant Professor, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler, 2020 - 2021

## Academic and Administrative Experience

Director of Vocational School, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler, 2024 - Continues

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

BAP Koordinatör Yardımcısı, 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

1. Benzimidazolium Salts Bearing Ester Group: Synthesis, Characterization, Crystal Structure, Molecular

## **Docking Studies, and Inhibitory Properties Against Metabolic Enzymes**

Gök Y., Kaya G., Demir Y., Karabiyik H., Taşkın Tok T., İzmirli M., Aktaş A., Gülçin İ.

JOURNAL OF MOLECULAR STRUCTURE, vol.1322, no.140342, pp.1-13, 2025 (SCI-Expanded)

- II. **Design of novel benzimidazole-propane hydrazide derivatives as  $\alpha$ -glucosidase and  $\alpha$ -amylase inhibitors: in vitro and in silico studies**  
Mohammadzadeh S., Karimian S., Dastyafteh N., Noori M., Doragh F., Mohammadi-Khanaposhtani M., Larijani B., Mahdavi M., Sadeghian N., Aktaş A., et al.  
MEDICINAL CHEMISTRY RESEARCH, vol.33, no.12, pp.1-12, 2024 (SCI-Expanded)
- III. **Design, Synthesis of 3-(Aryl)-1-(2-p-tolylthiazol-4-yl)prop-2-en-1-ones as Alpha( $\alpha$ )-Amylase Inhibitors**  
Ikbal H., Haroon M., Akhtar T., Aktaş A.  
CHEMISTRY AND BIODIVERSITY, vol.21, no.9, pp.1-15, 2024 (SCI-Expanded)
- IV. **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 Celepci D., Gök Y., Taşkın Tok T., Aygün M., Gülçin İ.  
POLYHEDRON, vol.257, pp.1-14, 2024 (SCI-Expanded)
- V. **Bisbenzimidazole salts and their in silico–in vitro inhibitory abilities on hCA I, hCA II, and AChE enzymes**  
Yılmaz Ü., Demir Y., Taşkın Tok T., Gök Y., Aktaş A., Gülçin İ.  
MONATSHEFTE FÜR CHEMIE, vol.155, no.6, pp.653-662, 2024 (SCI-Expanded)
- VI. **New palladium complexes with N-heterocyclic carbene and morpholine ligands: Synthesis, characterization, crystal structure, molecular docking, and biological activities**  
Behçet A., Taslimi P., Şen Yüksel B., Taşkın Tok T., Aktaş A., Gök Y., Aygün M., Gülçin İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.38, no.1, pp.1-14, 2024 (SCI-Expanded)
- VII. **Acetylphenyl-substituted imidazolium salts: synthesis, characterization, in silico studies and inhibitory properties against some metabolic enzymes**  
Demirci Ö., Tezcan B., Demir Y., Taşkın Tok T., Gök Y., Aktaş A., Güzel B., Gülçin İ.  
MOLECULAR DIVERSITY, vol.27, pp.2767-2787, 2023 (SCI-Expanded)
- VIII. **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)
- IX. **N-Heterocyclic Compounds, in silico Molecular Docking Studies, and in vitro Enzyme Inhibition Effect Against Acetylcholinesterase Inhibitors**  
Güzel A., Işık Z., Gök Y., Taşkın Tok T., Aktaş A.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.2023, pp.2416-2426, 2023 (SCI-Expanded)
- X. **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., Taşkın 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)
- XI. **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)
- XII. **Fluorinated benzimidazolium salts: Synthesis, characterization, molecular docking studies and inhibitory properties against some metabolic enzymes**  
Zengin R., Gök Y., Demir Y., Şen Yüksel B., Taşkın Tok T., Aktaş A., Demirci Ö., Gülçin İ., Aygün M.  
JOURNAL OF FLUORINE CHEMISTRY, vol.267, no. 110094, pp.1-12, 2023 (SCI-Expanded)
- XIII. **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., Taşkın Tok T., Aktaş A., Gök Y.

- XIV. **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)
- XV. **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., Bayıl İ., Taskin-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)
- XVI. **Benzimidazolium Salts Containing Trifluoromethoxybenzyl: Synthesis, Characterization, Crystal Structure, Molecular Docking Studies and Enzymes Inhibitory Properties**  
Hamide M., Gök Y., Demir Y., Sevinçek R., Taşkın T., Tezcan B., Aktaş A., Gülçin İ., Aygün M., Güzel B.  
CHEMISTRY AND BIODIVERSITY, vol.202200257, pp.1-12, 2022 (SCI-Expanded)
- XVII. **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., Taşkın Tok T., Kolaç T., Aktaş A., Ateş B., Aygün M., Gök Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.134320, pp.1-11, 2022 (SCI-Expanded)
- XVIII. **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)
- XIX. **New PEPPSI-Pd-NHC complexes bearing 4-hydroxyphenylethyl group: Synthesis, characterization, molecular docking, and bioactivity properties**  
Behçet A., Taslimi P., Gök Y., Aktaş A., Taşkın Tok T., Gülçin İ.  
ARCHIV DER PHARMAZIE, vol.276, pp.1-13, 2022 (SCI-Expanded)
- XX. **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., Taşkın Tok T., Aktaş A., Sevinçek R., Güzel B., Gülçin İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, pp.1-15, 2022 (SCI-Expanded)
- XXI. **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., Taşkın Tok T., Aktaş A., Güzel B., Aygün M., Gülçin İ.  
Journal Of Biochemical And Molecular Toxicology, vol.23001, pp.1-16, 2022 (SCI-Expanded)
- XXII. **Synthesis, Characterization, DNA Binding and Anticancer Activities of The Imidazolidine-Functionalized (NHC)Ru(II) Complexes**  
Gürses C., Aktaş A., Balcıoğlu S., Fadhilah A., Gök Y., Ateş B.  
JOURNAL OF MOLECULAR STRUCTURE, vol.131350, no.1247, pp.1-9, 2022 (SCI-Expanded)
- XXIII. **A study about excellent xanthine oxidase inhibitory effects of new pyridine salts**  
Yılmaz 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)
- XXIV. **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., Celepci D. B., Aktaş A., Gök Y., Aygün M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1446, pp.1-12, 2021 (SCI-Expanded)
- XXV. **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)

- XXVI. **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., Taşkın Tok T., Taslimi P., Aktaş A., Gök Y., Aygün M., Gülçin İ.  
Applied Organometallic Chemistry, vol.2021, no.6312, pp.1-12, 2021 (SCI-Expanded)
- XXVII. **PEPSI 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., Gülçin İ.  
Polyhedron, vol.198, pp.1-10, 2021 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **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)
- XXX. **Synthesis, characterization, crystal structure and bioactivity properties of the b enzimidazole-functionalize d PEPSI type of Pd(II)NHC complexes**  
Daşgın S., Gök Y., Celepci D. B., Taslimi P., İzmirli M., Aktaş A., Gülçin İ.  
JOURNAL OF MOLECULAR STRUCTURE, pp.1-9, 2020 (SCI-Expanded)
- XXXI. **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)
- XXXII. **New Pd-PEPSI 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., Celepci D. B., AKTAŞ A., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1205, 2020 (SCI-Expanded)
- XXXIII. **Synthesis, crystal structures, spectral investigations, conformational analysis and DFT studies of N-heterocyclic carbene precursors**  
ERDEMİR F., Celepci D. B., AKTAŞ A., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)
- XXXIV. **A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties**  
AKTAŞ A., Celepci D., GÖK Y., Taslimi P., Akincioglu H., GÜLÇİN İ.  
CRYSTALS, vol.10, no.3, 2020 (SCI-Expanded)
- XXXV. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**  
SARı Y., GÜRSES C., Celepci D. B., Kelestemur U., AKTAŞ A., YÜKSEL Ş., ATEŞ B., GÖK Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **Prediction of biological activities, structural investigation and theoretical studies of meta-cyanobenzyl substituted benzimidazolium salts**  
Celepci D. B., AKTAŞ A.  
Acta Chimica Slovenica, vol.67, no.3, pp.830-841, 2020 (SCI-Expanded)
- XXXVIII. **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)

- XXXIX. **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)
- XL. **New morpholine-liganded palladium(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, and DNA-binding studies**  
TÜRKER F., GÜRSES C., Celepci D. B., AKTAŞ A., ATEŞ B., GÖK Y.  
ARCHIV DER PHARMAZIE, vol.352, no.12, 2019 (SCI-Expanded)
- XLI. **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)
- XLII. **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)
- XLIII. **Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties**  
Erdemir P., Celepci D. B., AKTAŞ A., GÖK Y., Kaya R., Taslimi P., Demir Y., GÜLÇİN İ.  
BIOORGANIC CHEMISTRY, vol.91, 2019 (SCI-Expanded)
- XLIV. **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., Celepci D. B., Goek Y.  
JOURNAL OF CHEMICAL SCIENCES, vol.131, no.8, 2019 (SCI-Expanded)
- XLV. **Yeni Morfolinoetil-Sübstitüveli (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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- LI. **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)

- LII. **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., 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)
- LIII. **2-Hydroxyethyl-Substituted Pd-PEPSSI 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)
- LIV. **Four 2-Hydroxyethyl substituted NHC iodide complexes: structural characterization and theoretical comparisons**  
Celepci D. B., AKTAŞ A., GÖK Y., Aygun M.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.74, 2018 (SCI-Expanded)
- LV. **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)
- LVI. **meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties**  
TÜRKER F., Celepci D. B., AKTAŞ A., Taslimi P., GÖK Y., Aygun M., GÜLÇİN İ.  
ARCHIV DER PHARMAZIE, vol.351, no.7, 2018 (SCI-Expanded)
- LVII. **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)
- LVIII. **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)
- LIX. **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)
- LX. **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)
- LXI. **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)
- LXII. **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**  
SARı Y., AKTAŞ A., Taslimi P., GÖK Y., GÜLÇİN İ.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, no.1, 2018 (SCI-Expanded)

- LXIII. **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., Celepci D. B., Kirbağ S., Kutlu T., Gök Y., Aygün M.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.11, pp.6379-6393, 2017 (SCI-Expanded)
- LXIV. **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., CELEPCI D. B., GÖK Y., AYGÜN M.  
CATALYSIS LETTERS, vol.147, no.9, pp.2340-2351, 2017 (SCI-Expanded)
- LXV. **Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties**  
AKTAŞ A., Taslimi P., GÜLÇİN İ., GÖK Y.  
ARCHIV DER PHARMAZIE, vol.350, no.6, 2017 (SCI-Expanded)
- LXVI. **Anticancer effect of some Silver(I)-N-Heterocyclic carbene complexes on different cancer cell lines**  
YILDIRIM I., AKTAŞ A., KUTLU T., GÖK Y.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.4, pp.148, 2017 (SCI-Expanded)
- LXVII. **N-Propylphthalimide-Substituted Silver(I) N-Heterocyclic Carbene Complexes and Ruthenium(II) N-Heterocyclic Carbene Complexes: Synthesis and Transfer Hydrogenation of Ketones**  
AKTAŞ A., GÖK Y.  
CATALYSIS LETTERS, vol.145, no.2, pp.631-639, 2015 (SCI-Expanded)
- LXVIII. **4-Vinylbenzyl-substituted silver(I) N-heterocyclic carbene complexes and ruthenium(II) N-heterocyclic carbene complexes: synthesis and transfer hydrogenation of ketones**  
AKTAŞ A., GÖK Y.  
TRANSITION METAL CHEMISTRY, vol.39, no.8, pp.925-931, 2014 (SCI-Expanded)
- LXIX. **Palladium catalyzed Mizoroki-Heck and Suzuki-Miyaura reactions using naphthalenomethyl-substituted imidazolidin-2-ylidene ligands in aqueous media**  
AKTAŞ A., Akkoc S., GÖK Y.  
JOURNAL OF COORDINATION CHEMISTRY, vol.66, no.16, pp.2901-2909, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **PALLADIUM-BASED COMPLEXES BEARING N-HETEROCYCLIC CARBENE (NHC) AND TRIPHENYLPHOSPHINE (PPH<sub>3</sub>) LIGANDS: SYNTHESIS, CHARACTERIZATION, AND ITS APPLICATION ON SONOGASHIRA CROSS-COUPPLING REACTIONS IN AQUEOUS MEDIA**  
Türker F., Gök Y., Aktaş A.  
ENGINEERING SCIENCES, vol.17, no.4, pp.42-53, 2022 (Peer-Reviewed Journal)
- II. **Antioxidant, Antimicrobial Properties and In Silico Study of a N,N'-(ethane-1,2-diyl)bis(1-(9H-fluoren-2-yl)methanimine)**  
Demirhan İ., Öner E., Necip A., Aktaş A., Çotak M., Gök Y.  
International Journal of Life Sciences and Biotechnology, vol.5, no.3, pp.480-503, 2022 (Peer-Reviewed Journal)
- III. **Design, Synthesis, Characterization and Catalytic Activity in Direct Arylation Reaction of the Benzimidazole-Functionalized PEPSI-type Pd(II)NHC Complexes bearing 4-Vinylbenzyl Group**  
Daşgın S., Gök Y., Aktaş A.  
European Journal of Science and Technology, vol.40, no.40, pp.7-14, 2022 (Peer-Reviewed Journal)
- IV. **Benzimidazolium Salts Bearing 2-methyl-1,4-benzodioxane Group: Synthesis, Characterization, Computational Studies, In vitro Antioxidant and Antimicrobial Activity**  
Albayrak S., Gök Y., Sari Y., Taşkın Tok T., Aktaş A.  
Biointerface Research in Applied Chemistry, vol.11, no.5, pp.13333-13346, 2021 (Scopus)
- V. **Platin ve Bakır Temelli N-Heterosiklik Karben (NHC) Komplekslerinin Antikanser Özellikleri ve Etki Mekanizmaları**  
AKTAŞ A.



Bitlis Eren University Journal of Science, vol.8, no.2, pp.713-724, 2019 (Peer-Reviewed Journal)

VI. **2-Methyl-1,4-Benzodioxan Substituted Ag(I)-N-Heterocyclic Carbene Complexes and Ru(II)-N-Heterocyclic Carbene Complexes: Synthesis, Crystal Structure and Transfer Hydrogenation of Aromatic Ketones**

AKTAŞ A., GÖK Y., AKKURT M., ÖZDEMİR N.

Organic Chemistry: Current Research., vol.4, pp.149-157, 2015 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Organik Sentezin Önemi ve N-Heterosiklik Karben Öncüllerinin Farmakofor Özellikleri**  
Aktaş A.  
2. KAHRAMANMARAŞ BİYOKİMYA GÜNLERİ, Kahramanmaraş, Turkey, 26 - 27 November 2022, pp.3
- II. **Synthesis and Characterization of Ag(I)NHC Complexes Bearing Trifluoromethylthioether Group**  
Yavuz K., Aktaş A., Gök Y.  
5TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 23 - 25 November 2022, pp.11
- III. **Palladium-Based Complexes Bearing N-Heterocyclic Carbene (NHC) and Triphenylphosphine (PPH<sub>3</sub>) Ligands: Synthesis, Characterization, and Its Application on Sonogashira Cross-Coupling Reactions in Aqueous Media**  
Türker F., Aktaş A., Gök Y.  
5th International Science Symposium "New Horizons in Science", Sarajevo, Bosnia And Herzegovina, 1 - 03 September 2022, pp.1-12
- IV. **4-Vynilbenzil Grubu Taşıyan Benzimidazol Fonksiyonelleştirilmiş PEPPSI tipi Pd(II)NHC Komplekslerinin Dizaynı, Sentezi, Karakterizasyonu ve Doğrudan Arilasyon Reaksiyonundaki Katalitik Aktivitesi**  
Daşgın S., Gök Y., Aktaş A.  
1st International Conference on Innovative Academic Studies., Konya, Turkey, 10 - 13 September 2022, pp.1-10
- V. **Synthesis and Characterization of N-Heterocyclic Carbene Precursors Bearing Methylthioether Group**  
Yavuz K., Aktaş A., Gök Y., Kuruçay A.  
5th International Science Symposium "New Horizons in Science", Sarajevo, Bosnia And Herzegovina, 1 - 03 September 2022, pp.1
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5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.38
- VII. **Synthesis and characterization of 3-alkyl-2-mercaptobenzo[d]thiazol-3-ium halides**  
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5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.33
- VIII. **Synthesis and characterization of 2-Methylimidazolium salts containing carboxyl group**  
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- IX. **Synthesis and characterization of imidazolium salts bearing 4-Acetylphenyle group with a various fluoreded substitution**  
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- X. **Synthesis and characterization of imidazolium salts containing formyl group**  
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5th International Organic Chemistry Congress,, Malatya, Turkey, 14 - 17 October 2021, pp.59
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- 5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.34
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5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.30
- XIII. **Synthesis, characterization, crystal structure, inhibitory properties against  $\alpha$ -glucosidases of benzimidazolium salts bearing trifluoromethylbenzyl**  
Tezcan B., Gök Y., Sevinçek R., Taslimi P., Aktaş A., Güzel B., Aygün M., Gülçin İ.  
5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.47
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5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.31
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5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.48
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3st International Conference on Physical Chemistry & Functional Materials (PCFM20)., Malatya, Turkey, 22 - 24 September 2020, pp.2
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3st International Conference on Physical Chemistry & Functional Materials (PCFM20), Malatya, Turkey, 22 - 24 September 2020, pp.20
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3st International Conference on Physical Chemistry & Functional Materials (PCFM20), Malatya, Turkey, 22 - 24 September 2020, pp.10
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7 th NATIONAL CATALYSIS CONGRESS (NCC7), Denizli, Turkey, 9 - 12 September 2018, pp.101
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1st International Conference on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018, pp.314
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1st International Conference on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018, pp.182
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SARI Y., AKTAŞ A., TASLIMI P., GÖK Y., GÜLÇİN İ.  
1st International Conference on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018, pp.203
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International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muğla, Turkey, 26 - 29 August 2017, pp.182
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IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, vol.1, pp.279
- XLII. **Synthesis and Characterization and Antimicrobial Studies of Naphthyl Substituted Imidazolidinium Salts and Their Silver(I)-N-Heterocyclic Carbene Complexes**  
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IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.127
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AKTAŞ A., TASLIMI P., GÜLÇİN İ., GÖK Y.  
2nd International Conference on Advances in Natural and Applied Sciences. (ICANAS 2017), Antalya, Turkey, 18 - 21 April 2017, pp.510
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29th International Symposium on the Chemistry of Natural Products (ISCNP-29) and the 9th International Conference on Biodiversity (ICOB-9), İzmir, Turkey, 24 September 2016 - 27 September 2017, pp.75

- XLVI. **Synthesis, characterization and antimicrobial activity of imidazolium-based novel Ag(I)-NHC complexes**  
Aktaş A., GÖK Y., Yıldırım I., Kırbağ S., KUTLU T.  
29th International Symposium on the Chemistry of Natural Products (ISCNP-29) and the 9th International Conference on Biodiversity (ICOB-9), İzmir, Turkey, 24 - 27 September 2016, vol.1, pp.150
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Aktaş A., GÖK Y., Yıldırım I., Kırbağ S., KUTLU T.  
III. Ulusal Organik Kimya Kongresi (ORGKON 2016), Trabzon, Turkey, 5 - 08 September 2016, vol.1, pp.4
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Yıldırım I., Aktaş A., KUTLU T., GÖK Y.  
1st International Cell Death Research Congress, İzmir, Turkey, 4 - 07 May 2016, vol.1, pp.25
- L. **Anticancer effect of some silver(I)-N-Heterocyclic carbene complexes on different cancer cell lines**  
YILDIRIM I., AKTAŞ A., KUTLU T., GÖK Y.  
1st International Cell Death Research Congress, İzmir, Turkey, 4 - 07 May 2016, pp.11
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IV. Biyomühendislik Öğrenci kongresi, Elazığ, Turkey, 7 - 08 April 2016, vol.1, pp.4
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4. Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, pp.5
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AKKOÇ S., AKTAŞ A., GÖK Y.  
7th Eurasian Meeting on Heterocyclic Chemistry, İstanbul, Turkey, 17 - 21 June 2012, pp.15

## Supported Projects

AKTAŞ A., YILDIRIM S., Project Supported by Higher Education Institutions, Benzimidazol2Tiyon ve Benzimidazol2Selenon İle Modifiye Edilmiş Polimerik Bileşiklerin Sentezi Karakterizasyonu ve Liİon Pillerinde Anot Elektrot Olarak Kullanılması, 2024 - Continues

AKTAŞ A., ÖZEL S., Project Supported by Higher Education Institutions, Benzimidazol-2-Selenon Bileşiklerinin Sentezi Karakterizasyonu ve Enzim İnhibisyon Etkileri, 2024 - Continues

İÇEN TAŞKIN I., AKTAŞ A., ÇAM DERİN D., HAROON M., Project Supported by Higher Education Institutions, Oksotiazolidin Ligandlı RutenyumII Komplekslerinin Sentezi Karakterizasyonu ve Antikanser Aktivitelerinin İncelenmesi, 2023 - Continues

AKTAŞ A., GÜZEL A., İÇEN TAŞKIN I., SEVER M. R., YAVUZ K., Project Supported by Higher Education Institutions, Triflorometiltiyoeter Grubu İçeren Gümüş ve Rutenyum MetalNheterosiklik Karben MNHC Komplekslerinin Dizaynı Sentezi Karakterizasyonu ve Bazı Kanser Hücreleri Üzerindeki Antikanser Aktivitelerinin İncelenmesi, 2022 - Continues

Gök Y., Aktaş A., Gürses C., Project Supported by Higher Education Institutions, Florlu Grubu İçeren NHC Öncülleri ve

Kalkojen Türevlerinin Sentezi Karakterizasyonu ve Bazı Metabolik Enzimlere Karşı İnhibitör Aktiviteleri, 2024 - 2026  
Altın E., Aktaş A., Erdemoğlu M., Turan M. D., Bulut F., Ateş N., TUBITAK Project, Yerli Kaynaklardan Yüksek Safılıkta Elde Edilmiş Mangan(IV)Oksitten Li-Iyon Bataryalarda Anot Malzemesi Olarak Kullanılmak Üzere Üretilecek Mgo/Mno<sub>2</sub> Yapılarının Araştırılması, 2024 - 2026

Tekedereli I., Aktaş A., Yıldırım I., Özdem B., Project Supported by Higher Education Institutions, SELENOÜRE TÜREVİ BİLEŞİKLERİN MEME KANSER HÜCRELERİ ÜZERİNDE ANTİKANSER AKTİVİTESİNİN VE APOPTOZİS İNDÜKSİYONUNUN İN VİTRO OLARAK BELİRLENMESİ, 2023 - 2025

AKTAŞ A., YAVUZ K., İÇEN TAŞKIN I., SEVER M. R., YILMAZ Ü., PAŞAHAN A., GÖK Y., GÜZEL A., KOLAÇ T., GÜRSES C., et al., Project Supported by Higher Education Institutions, Tiyol Grubu İçeren BenzimidazolFonksiyonlu N-heterosiklik Karben (NHC) Öncülleri ile Gümüş ve Rutenyum Metal Komplekslerinin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, 2020 - 2024

Aktaş A., Gök Y., Gürses C., Kazancı A., Demirci Ö., Kuruçay A., Project Supported by Higher Education Institutions, Hidrofilik Grup İçeren N-Heterosiklik Karben Öncülleri ve Komplekslerinin Sentezi Karakterizasyonu Enzim İnhibisyon ve Antikanser Özelliklerinin Hücre Geçirgenliği ile DNA Bağlanma Özelliklerine Göre Araştırılması, 2021 - 2023

Ateş B., Gök Y., Fadhilah F. A., Gürses C., Balcıoğlu S., Aktaş A., Project Supported by Higher Education Institutions, Floresans Spektrofotometresi Kullanarak Yeni Sentezlenen Organometalik Bileşiklerinin Ayrıntılı DNA Etkileşim Modellerinin Araştırılması 2018., 2018 - 2020

Aktaş A., Ateş B., Gök Y., Gürses C., Bereket İ., Ali Numa S. A., Türker F., Balcıoğlu S., Taşkın T., Project Supported by Higher Education Institutions, İlaç Etken Maddesi Olarak N-Heterosiklik Karben (NHC-M, M:Ag, Ru, Pd) Komplekslerinin Sentezi: Antikanser, Enzim İnhibisyonu, DNA Bağlanma Özellikleri ve Moleküler Modelleme, 2018 - 2020

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-dialkilimidazolün-2-iliden gümüş ve rutenyum komplekslerinin sentezi ve özellikleri, 2011 - 2012

## Activities in Scientific Journals

İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, Committee Member, 2020 - Continues

## Scientific Refereeing

Results in Chemistry, SCI Journal, December 2024

BIOORGANIC CHEMISTRY, SCI Journal, December 2024

Chemical Data Collections, SCI Journal, December 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, November 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, November 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, October 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, October 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, September 2024

BIOORGANIC CHEMISTRY, SCI Journal, September 2024

INORGANIC CHEMISTRY COMMUNICATION, SCI Journal, September 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, September 2024

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, September 2024

INORGANICA CHIMICA ACTA, SCI Journal, August 2024

CHEMISTRYSELECT, National Scientific Refreed Journal, July 2024

INORGANICA CHIMICA ACTA, SCI Journal, July 2024

CHEMISTRY AND BIODIVERSITY, SCI Journal, July 2024

Results in Chemistry, SCI Journal, June 2024

Dose Response, SCI Journal, June 2024  
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, SCI Journal, June 2024  
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, May 2024  
INORGANICA CHIMICA ACTA, SCI Journal, April 2024  
INORGANICA CHIMICA ACTA, SCI Journal, April 2024  
SCIENTIFIC REPORTS, SCI Journal, April 2024  
INORGANICA CHIMICA ACTA, SCI Journal, April 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, March 2024  
CHEMISTRYSELECT, SCI Journal, March 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, February 2024  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, February 2024  
JOURNAL OF MOLECULAR RECOGNITION, 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 BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, September 2023  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, 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  
Bartın 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  
POLYHEDRON, SCI Journal, January 2023  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, SCI Journal, January 2023  
INORGANICA CHIMICA ACTA, SCI Journal, December 2022  
JOURNAL OF OLEO SCIENCE, SCI Journal, December 2022  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, SCI Journal, November 2022  
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, November 2022  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, SCI Journal, November 2022  
CHIRALITY, SCI Journal, November 2022  
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  
POLYHEDRON, Journal Indexed in SCI-E, May 2022  
POLYHEDRON, Journal Indexed in SCI-E, April 2022  
CHEMISTRYSELECT, Journal Indexed in SCI-E, April 2022  
JOURNAL OF MOLECULAR RECOGNITION, Journal Indexed in SCI-E, April 2022  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, Journal Indexed in SCI-E, March 2022  
CHEMISTRY-AN ASIAN JOURNAL, Journal Indexed in SCI-E, March 2022

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  
Research On Chemical Intermediates, Journal Indexed in SCI-E, January 2022  
Polyhedron, Journal Indexed in SCI-E, January 2022  
Polyhedron, Journal Indexed in SCI-E, December 2021  
Journal Of Biochemical And Molecular Toxicology, Journal Indexed in SCI-E, December 2021  
CHEMISTRYSELECT, Journal Indexed in SCI-E, November 2021  
Asian Journal of Organic Chemistry, Journal Indexed in SCI-E, November 2021  
Polyhedron, Journal Indexed in SCI-E, October 2021  
CHEMISTRYSELECT, Journal Indexed in SCI-E, October 2021  
Chemcatchem, Journal Indexed in SCI-E, September 2021  
Chemistry & Biodiversity, Journal Indexed in SCI-E, September 2021  
Polyhedron, Journal Indexed in SCI-E, September 2021  
Materials Today, Journal Indexed in SCI-E, September 2021  
Journal Of Biochemical And Molecular Toxicology, Journal Indexed in SCI-E, August 2021  
Asian Journal of Organic Chemistry, Journal Indexed in SCI-E, August 2021  
Medicinal Chemistry, Journal Indexed in SCI-E, July 2021  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, June 2021  
Medicinal Chemistry, Journal Indexed in SCI-E, June 2021  
Chemistry-An Asian Journal, Journal Indexed in SCI-E, June 2021  
European Journal Of Organic Chemistry, Journal Indexed in SCI-E, June 2021  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, May 2021  
Medicinal Chemistry, Journal Indexed in SCI-E, April 2021  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, April 2021  
Journal Of Biochemical And Molecular Toxicology, Journal Indexed in SCI-E, April 2021  
Chemical Record, Journal Indexed in SCI-E, April 2021  
Archiv Der Pharmazie, Journal Indexed in SCI-E, March 2021  
Bioorganic Chemistry, Journal Indexed in SCI-E, March 2021  
Asian Journal of Organic Chemistry, Journal Indexed in SCI-E, February 2021  
Medicinal Chemistry, Journal Indexed in SCI-E, February 2021  
Asian Journal of Organic Chemistry, Journal Indexed in SCI-E, January 2021  
Catalysis Letters, Journal Indexed in SCI-E, January 2021  
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  
Bioorganic Chemistry, Journal Indexed in SCI-E, April 2020  
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  
CHEMISTRYSELECT, Journal Indexed in SCI-E, December 2019



NEW JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2019  
CHEMISTRYSELECT, Journal Indexed in SCI-E, November 2019  
Archiv Der Pharmazie, Journal Indexed in SCI-E, October 2019  
ACS OMEGA, Journal Indexed in SCI-E, October 2019  
Applied Organometallic Chemistry, Journal Indexed in SCI-E, October 2019  
CHEMISTRYSELECT, Journal Indexed in SCI-E, September 2019  
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 Thermal Analysis And Calorimetry, Journal Indexed in SCI-E, May 2019  
JOURNAL OF MOLECULAR STRUCTURE, 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: 131  
Citation (WoS): 1590  
Citation (Scopus): 1587  
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  
MİLLİ EĞİTİM BAKANLIĞI