

Assoc. Prof. DUYGU İNCİ

Personal Information

Office Phone: [+90 0262 303 2055](tel:+9002623032055)

Fax Phone: [+90 0262 303 2003](tel:+9002623032003)

Email: duygu.inci@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/duygu.inci>

Education Information

Doctorate, Bursa Uludağ University, Graduate School of Natural and Applied Sciences, Chemistry, Turkey 2013 - 2018

Post Graduate, Bursa Uludağ University, Graduate School of Natural and Applied Sciences, Chemistry, Turkey 2010 - 2013

Under Graduate, Bursa Uludağ University, Faculty of Arts and Sciences, Chemistry, Turkey 2005 - 2009

Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Natural Sciences

Courses

Anorganik Kimya Laboratuvarı, Undergraduate, 2021 - 2022

Anorganik Kimya I, Undergraduate, 2021 - 2022

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Cu(ii) complex with auxin (3-indoleacetic acid) and an aromatic planar ligand: synthesis, crystal structure, biomolecular interactions and radical scavenging activity**
İNCİ D., AYDIN R., Zorlu Y.
EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, vol.50, no.5, pp.771-785, 2021 (Journal Indexed in SCI)
- II. **Biomacromolecular interactions and radical scavenging activities of one-dimensional (1D) copper(II) glycinate coordination polymer**
İNCİ D., AYDIN R., Zorlu Y.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, 2021 (Journal Indexed in SCI)
- III. **Investigation on water soluble copper(II) mono-anionic glutamate complexes with planar aromatic ligands: synthesis, crystal structures, biomacromolecular interactions and radical scavenging activities**
İNCİ D., AYDIN R., Zorlu Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1225, 2021 (Journal Indexed in SCI)
- IV. **Equilibria Studies on Nickel(II) Complexes with 1,10-Phenanthroline Derivatives and Some Amino Acids in Aqueous Solution**
İNCİ D., AYDIN R.
JOURNAL OF SOLUTION CHEMISTRY, vol.50, no.1, pp.128-146, 2021 (Journal Indexed in SCI)
- V. **NOO-type tridentate Schiff base ligand and its one-dimensional Cu(II) coordination polymer:**

Synthesis, crystal structure, biomacromolecular interactions and radical scavenging activities

İNCİ D., AYDIN R., ZORLU Y.

INORGANICA CHIMICA ACTA, vol.514, 2021 (Journal Indexed in SCI)

- VI. **A new ternary Cu (II) complex with 4,7-dimethyl-1,10-phenanthroline and NOO-type tridentate Schiff base ligand: Synthesis, crystal structure, biomacromolecular interactions, and radical scavenging activities**
İNCİ D.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.12, 2020 (Journal Indexed in SCI)
- VII. **Neocuproine Copper(II) Complexes with Bioactive Ligands in Aqueous Solution**
İNCİ D., AYDIN R.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.65, no.14, pp.2033-2045, 2020 (Journal Indexed in SCI)
- VIII. **Temperature and methyl substitution effect on copper(II) complexes with biorelevant ligands and species distribution in aqueous solution**
Senel P., İnci D., Aydın R.
PHYSICS AND CHEMISTRY OF LIQUIDS, vol.58, no.5, pp.636-650, 2020 (Journal Indexed in SCI)
- IX. **A potent drug candidature of Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes with bioactive ligands: synthesis, crystal structures, biomolecular interactions, radical scavenging and cytotoxicities**
İnci D., Aydın R., Vatan Ö., Zorlu Y.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- X. **Antiproliferative activity of copper(II) glutamine complexes with N,N-donor ligands: Synthesis, characterization, potentiometric studies and DNA/BSA interactions**
Kiraz S., İnci D., Aydın R., Vatan O., Zorlu Y., Cavas T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1194, pp.245-255, 2019 (Journal Indexed in SCI)
- XI. **Methyl substituent effect on one-dimensional copper(II) coordination polymers containing biologically active ligands: Synthesis, characterization, DNA interactions and cytotoxicities**
Senel P., İnci D., Aydın R., Huriyet H., Zorlu Y., Cinkilic N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.10, 2019 (Journal Indexed in SCI)
- XII. **Structures, hydrolysis, stabilities of palladium(II) complexes containing biologically active ligands and species distribution in aqueous solution**
İnci D., Aydın R.
JOURNAL OF MOLECULAR STRUCTURE, vol.1187, pp.23-37, 2019 (Journal Indexed in SCI)
- XIII. **Water-soluble binary and ternary palladium(II) complexes containing amino acids and intercalating ligands: synthesis, characterization, biomolecular interactions and cytotoxicities**
İnci D., Aydın R., Vatan O., Sahin O., Cinkilic N.
NEW JOURNAL OF CHEMISTRY, vol.43, no.12, pp.4681-4697, 2019 (Journal Indexed in SCI)
- XIV. **Interaction of a new copper(II) complex by bovine serum albumin and dipeptidyl peptidase-IV**
İnci D., Koseler A., Zeytunluoglu A., Aydın R., Zorlu Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1177, pp.317-322, 2019 (Journal Indexed in SCI)
- XV. **Cu (II) tyrosinate complexes containing methyl substituted phenanthrolines: Synthesis, X-ray crystal structures, biomolecular interactions, antioxidant activity, ROS generation and cytotoxicity**
İnci D., Aydın R., Vatan O., Huriyet H., Zorlu Y., Cosut B., Cinkilic N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, no.1, 2019 (Journal Indexed in SCI)
- XVI. **New binary copper(II) complexes containing intercalating ligands: DNA interactions, an unusual static quenching mechanism of BSA and cytotoxic activities**
İnci D., Aydın R., Vatan O., Zorlu Y., Cinkilic N.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.36, no.15, pp.3878-3901, 2018 (Journal Indexed in SCI)
- XVII. **Newly synthesized Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes as potential anticancer candidates**
İnci D., Aydın R., Huriyet H., Zorlu Y., Cinkilic N.

APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.4, 2018 (Journal Indexed in SCI)

- XVIII. **Synthesis, crystal structure, stability studies, DNA/albumin interactions, and antimicrobial activities of two Cu(II) complexes with amino acids and 5-nitro-1,10-phenanthroline**
Inci D., Aydin R., Sevgi T., Zorlu Y., Demirkan E.
JOURNAL OF COORDINATION CHEMISTRY, vol.70, no.3, pp.512-543, 2017 (Journal Indexed in SCI)
- XIX. **Synthesis and crystal structures of novel copper(II) complexes with glycine and substituted phenanthrolines: reactivity towards DNA/BSA and in vitro cytotoxic and antimicrobial evaluation**
Inci D., Aydin R., Vatan O., Sevgi T., Yilmaz D., Zorlu Y., YERLİ Y., Cosut B., Demirkan E., Cinkilic N.
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.22, no.1, pp.61-85, 2017 (Journal Indexed in SCI)
- XX. **Potentiometric Studies on Complexation of Cu(II) Ion with Methyl/Nitro-Substituted 1,10-Phenanthrolines and Selected Amino Acids**
Inci D., Aydin R.
JOURNAL OF SOLUTION CHEMISTRY, vol.46, no.1, pp.124-138, 2017 (Journal Indexed in SCI)
- XXI. **Affinity of a new copper(II) complex to DNA/BSA and antioxidant/radical scavenging activities: crystal structure of [Cu(4,7-diphenyl-1,10-phenanthroline)(leucine)(NO₃)(H₂O)]**
Inci D., Aydin R., Zorlu Y.
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.18, pp.2677-2696, 2016 (Journal Indexed in SCI)
- XXII. **Binary and ternary new water soluble copper(II) complexes of L-tyrosine and substituted 1,10-phenanthrolines: Effect of substitution on DNA interactions and cytotoxicities**
Inci D., Aydin R., Vatan O., Yilmaz D., Genckal H. M. , Zorlu Y., Cavas T.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.145, pp.313-324, 2015 (Journal Indexed in SCI)
- XXIII. **New water-soluble copper (II) complexes including 4,7-dimethyl-1,10-phenanthroline and L-tyrosine: Synthesis, characterization, DNA interactions and cytotoxicities**
Inci D., Aydin R., Yilmaz D., Genckal H. M. , Vatan O., Cinkilic N., Zorlu Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.136, pp.761-770, 2015 (Journal Indexed in SCI)
- XXIV. **Synthesis, characterisation, and equilibrium studies of 1-(2-ethyl-1,2,3,4-tetrahydro-quinazolin-2-yl)-ethanone oxime and the copper(II) complex of its open-chain tautomer**
Genckal H. M. , Inci D., Aydin R., Irez G.
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.84, pp.2240-2247, 2014 (Journal Indexed in SCI)
- XXV. **Stabilities of the Ternary Complexes of Copper(II) with Substituted 1,10-Phenanthrolines and Some Amino Acids in Aqueous Solution**
Inci D., Aydin R.
JOURNAL OF SOLUTION CHEMISTRY, vol.43, no.4, pp.711-726, 2014 (Journal Indexed in SCI)
- XXVI. **Potentiometric and Spectrophotometric Studies of the Complexation of Lanthanum(III) with Adrenaline, Noradrenaline, and Dopamine**
Aydin R., Inci D.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.57, pp.967-973, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **EQUILIBRIUM STUDIES ON Ni(II) and Cu(II) COMPLEXES with 4,7- DIMETHYL-1,10-PHENANTHROLINE and ACIDIC AMINO ACIDS in AQUEOUS SOLUTION**

İnci D.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, pp.775-788, 2020 (Other Refereed National Journals)

Citations

Total Citations (WOS):249

h-index (WOS):11

Scholarships

TÜBİTAK 2211-C Yurt İçi Öncelikli Alanlar Doktora Bursu, TÜBİTAK, 2015 - 2017

Türk Eğitim Vakfı (TEV) Doktora Bursu, Foundation, 2013 - 2015

Awards

İnci D., En İyi Doktora Tezi, Bursa Uludağ Üniversitesi, June 2018