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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

Dissertations

Doctorate, Synthesis, Characterization, DNA/Protein Interactions and Investigation of Biological Activities of Copper(II) and Palladium(II) ions Complexes with Phenanthroline Derivatives and Amino Acids, Bursa Uludağ University, Graduate School of Natural and Applied Sciences, Chemistry, 2018

Post Graduate, Synthesis and Characterization of Complexes Formed with Copper(II) Ion of L- Amino Acids and Aromatic Diimines and Investigation of Their Stability Constants and DNA Interaction, Bursa Uludağ University, Graduate School of Natural and Applied Sciences, Chemistry, 2013

Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2020 - Continues

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

- **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, pp.636-650, 2020 (Journal Indexed in SCI)
- **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)
- **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)
- **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, 2019 (Journal Indexed in SCI)

- **Structures, hydrolysis, stabilities of palladium(II) complexes containing biologically active ligands and species distribution in aqueous solution**
Inci D., Aydin R.
JOURNAL OF MOLECULAR STRUCTURE, vol.1187, pp.23-37, 2019 (Journal Indexed in SCI)
- **Water-soluble binary and ternary palladium(II) complexes containing amino acids and intercalating ligands: synthesis, characterization, biomolecular interactions and cytotoxicities**
Inci D., Aydin R., Vatan O., Sahin O., Cinkilic N.
NEW JOURNAL OF CHEMISTRY, vol.43, pp.4681-4697, 2019 (Journal Indexed in SCI)
- **Interaction of a new copper(II) complex by bovine serum albumin and dipeptidyl peptidase-IV**
Inci D., Koseler A., Zeytunluoglu A., Aydin R., Zorlu Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1177, pp.317-322, 2019 (Journal Indexed in SCI)
- **Cu (II) tyrosinate complexes containing methyl substituted phenanthrolines: Synthesis, X-ray crystal structures, biomolecular interactions, antioxidant activity, ROS generation and cytotoxicity**
Inci D., Aydin R., Vatan O., Huriyet H., Zorlu Y., Cosut B., Cinkilic N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.33, 2019 (Journal Indexed in SCI)
- **New binary copper(II) complexes containing intercalating ligands: DNA interactions, an unusual static quenching mechanism of BSA and cytotoxic activities**
Inci D., Aydin R., Vatan O., Zorlu Y., Cinkilic N.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.36, pp.3878-3901, 2018 (Journal Indexed in SCI)
- **Newly synthesized Cu(II) pyrazino[2,3-f][1,10]phenanthroline complexes as potential anticancer candidates**
Inci D., Aydin R., Huriyet H., Zorlu Y., Cinkilic N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, 2018 (Journal Indexed in SCI)
- **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, pp.512-543, 2017 (Journal Indexed in SCI)
- **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, pp.61-85, 2017 (Journal Indexed in SCI)
- **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, pp.124-138, 2017 (Journal Indexed in SCI)
- **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, pp.2677-2696, 2016 (Journal Indexed in SCI)
- **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)
- **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)
- **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**

Gençkal H. M. , İnci D., Aydın R., İrez G.

RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.84, pp.2240-2247, 2014 (Journal Indexed in SCI)

- **Stabilities of the Ternary Complexes of Copper(II) with Substituted 1,10-Phenanthrolines and Some Amino Acids in Aqueous Solution**

İnci D., Aydın R.

JOURNAL OF SOLUTION CHEMISTRY, vol.43, pp.711-726, 2014 (Journal Indexed in SCI)

- **Potentiometric and Spectrophotometric Studies of the Complexation of Lanthanum(III) with Adrenaline, Noradrenaline, and Dopamine**

Aydın R., İnci D.

JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.57, pp.967-973, 2012 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Schiff bazı içeren yeni Cu(II) karışık ligand kompleksinin sentezi, karakterizasyonu ve biyolojik özelliklerinin araştırılması**

İnci D.

32. Ulusal (Uluslararası Katılımlı) Kimya Kongresi, İstanbul, Turkey, 17 - 19 September 2020, pp.154

- **Investigation of Synthesis, Characterization and Biological Properties of Water Soluble Cu(II) Mixed Ligand Complexes**

İnci D.

1st International Ankara Conference on Multidisciplinary Studies, Ankara, Turkey, 11 - 12 August 2020, pp.291-292

Supported Projects

İnci D., Aydın R., Project Supported by Other Official Institutions, Bakır(II), Nikel(II) ve Çinko(II) iyonlarının Sübstitüe Fenantrolinler ve Triptofan ile Oluşturduğu Komplekslerin Spektroskopik Karakterizasyonu, 2016 - 2017

İnci D., Aydın R., Çinkılıç N., Cavaş T., Vatan Ö., Yılmaz D., Şenel P., Project Supported by Other Official Institutions, Bakır(II), Nikel(II) ve Çinko(II) iyonlarının Sübstitüe Fenantrolinler, Triptofan ve Glutamin ile Oluşturduğu Komplekslerin Sentezi, Karakterizasyonu, Kararlılıklarının, Kompleks-DNA Etkileşimlerinin ve Biyolojik Aktivitelerinin Araştırılması, 2015 - 2017

İnci D., Aydın R., Çinkılıç N., Cavaş T., Vatan Ö., Yılmaz D., Mutlu Gençkal H., Project Supported by Other Official Institutions, Cu(II) İyonunun L-Amino Asitler ve Fenantrolin Türevleri ile Oluşturduğu Karışık Ligand Komplekslerinin Sentezlenmesi, Kompleks-DNA Etkileşiminin ve Sitotoksitelerinin Araştırılması, 2012 - 2016

İnci D., Aydın R., Çinkılıç N., İrez G., Mutlu Gençkal H., Fındıkkaya N., Project Supported by Other Official Institutions, İki Değerli Metal İyonlarının Aromatik Aminler ve Katekol veya Amino Grubu İçeren Ligandlar ile Oluşturduğu Karışık Ligand Komplekslerinin Sentezlenmesi, Yapılarının, Kararlılıklarının ve Antikanser Aktivitelerinin Araştırılması, 2011 - 2014

İnci D., Aydın R., İrez G., Mutlu Gençkal H., Fındıkkaya N., Project Supported by Other Official Institutions, Yeni Oksim Bileşiklerinin Sentezi ve Bazı Geçiş Metal İyonları ile Oluşturdukları İkili ve Karışık Ligant Kompleksleri, 2011 - 2014

İnci D., Aydın R., Çam T., Project Supported by Other Official Institutions, Katekolamin Türevi Ligandların Bazı Metal İyonları İle Oluşturduğu Koordinasyon Bileşiklerinin Kararlılıklarının İncelenmesi, 2006 - 2011

Scientific Refereeing

DALTON TRANSACTIONS, SCI Journal, September 2020

JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, National Scientific Refreed Journal, August 2020

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, SCI Journal, July 2020

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, SCI Journal, May 2020

Tasks In Event Organizations

İnci D., 3rd International New York Conference on Evolving Trends in Interdisciplinary Research & Practices, Scientific Congress, New York, United States Of America, Kasım 2020
İnci D., 2nd International African Conference on Current Studies of Science Technology and Social Sciences, Scientific Congress, Abuja, Nigeria, Ekim 2020
İnci D., 2. International ICONTECH Symposium on Innovative Surveys in Positive Sciences, Scientific Congress, Budapest, Hungary, Eylül 2020

Citations

Total Citations (WOS):167

h-index (WOS):8

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