

Khatereh Abdi

Assistant Professor

Faculty : Science

Departments : Chemistry

Phone : +9854 - 31136331

Email : k.abdi@chem.usb.ac.ir

Address : Dept.of Chemistry, Faculty of Science, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- B.Sc, Pure Chemistry,Sistan and Baluchestan University - 2007
- MS, Inorganic Chemistry,Isfahan University of Technology - 2009
- PhD, Inorganic Chemistry,Isfahan University of Technology - 2014
- PhD, Chemistry,Isfahan University of Technology - 2014

Courses

1. metalicorganic chemistry
2. Inorganic chemistry 1
3. Advanced inorganic chemistry
4. General Chemistry1
5. History and Philisophy in Chemistry
6. General chemistry in chemical engineering
7. nuclear chemistry
8. general chemistry
9. Biotechnology
10. Industrial Inorganic Chemistry
11. RadioChemistry
12. Radiochemistry

Master Thesis

1. A mononuclear Pd(II) complex with bipyridine and morpholine ligands: Synthesis, characterization and its interaction with CT-DNA and BSA

فائزه غفاري, [Khatereh Abdi, Hassan Mansouri Torshizi, Hamideh Saravani, Alireza Rezvani, Alireza Nowroozi]

نيمسال اول سال تحصيلي 1402-1403

2. Spectroscopy - docking and molecular dynamics studies on the interaction betweem cis and transpalladium-alanine compexes with calf-thymus DNA and antitumor activities

اسما ايزديار, [Hassan Mansouri Torshizi, , Khatereh Abdi, Hamideh Saravani, Niloufar Akbarzadeh- Torbati, Ebrahim Mollashahi]

نيمسال دوم سال تحصيلي 00-01

3. Spectroscopic studies on the interaction between tree Pd(II) complexes and bovine serum albumin

اعظم راشكي كمك, [Khatereh Abdi, Niloufar Akbarzadeh- Torbati, Ebrahim Mollashahi, Hamideh Saravani]

نيمسال اول سال تحصيلي 00-01

4. Synthesis and characterization of a new Pd(II) complex; its interaction with CT-DNA and BSA

حبيبه نخعي, [Khatereh Abdi, Niloufar Akbarzadeh- Torbati, Hamideh Saravani, Alireza Nowroozi]

نيمسال اول سال تحصيلي 00-01

Journals Papers

2023

1. Synthesis, Characterization, Cytotoxicity and DNA/ BSA Interaction of Pd(II) Complexes with AlkylAmine and 1,10-Phenanthroline

Farahnaz Mohamadlo, Hassan Mansouri Torshizi, Effat Dehghanian, Khatereh Abdi

POLYCYCLIC AROMATIC COMPOUNDS Volume: (43) 6730 - 6749

2022

2. A Zn(II) complex of tetraaza macrocyclic Schiff base ligand. Synthesis, characterization, its experimental and therotical interaction studies with CT-DNA and BSA

Khatereh Abdi, Alireza Nowroozi, Hassan Mansouri Torshizi, Raziyeh Malekmohammadi nejad

Volume: (41) 101 - 115

3. Diverse coordination of dipicolinic acid to Pd(II) ion result antitumor complexes, their interaction with CT-DNA by spectroscopic experiments and computational methods

Ameneh Heidari, Hassan Mansouri Torshizi, Maryam Saeidifar, Effat Dehghanian, Khatereh Abdi, Hojat S

JOURNAL OF MOLECULAR STRUCTURE Volume: (1261) 132937-1 - 132937-12

4. Synthesis, characterization, cytotoxicity and DNA/ BSA binding of two amino acid palladium(II) complexes derived from alanine and valine

, Hassan Mansouri Torshizi, Maryam Saeidifar, Effat Dehghanian, Eliska Skorepova, Michal Dusek, Khat

NUCLEOSIDES NUCLEOTIDES and NUCLEIC ACIDS Volume: (41) 97 - 122

5. A couple of antitumor Pd(II) complexes make DNA-refolding and HSAunfolding: Experimental and docking studies

, Hassan Mansouri Torshizi, Khatereh Abdi, Effat Dehghanian, Maryam Saeidifar,

JOURNAL OF MOLECULAR LIQUIDS Volume: (349) 118450-1 - 118450-18

2021

6. Multi-stage screening to predict the specific anticancer activity of Ni(II) mixed-ligand complex on gastric cancer cells; biological activity, FTIR spectrum, DNA binding behavior and simulation studies

Leily Heidarpoor saremi, Karim Dadashi Noshahr, Ali Ebrahimi, Ali Khalegian, Khatereh Abdi, Milad La

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: (251) 119377-1 - 119377-10

7. Experimental and Computational Studies on the Interaction between DNA and BSA with a Couple of Isomeric [Pd(daf)(Leu)]+ , and [Pd(daf)(Ile)]+ Antitumor Complexes, Their Synthesis and Spectral Characterization

Ameneh Heidari, Hassan Mansouri Torshizi, Maryam Saeidifar, Khatereh Abdi

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: (94) 2678 - 2694

8. A new palladium-based antiproliferative agent: synthesis, characterization, computational calculations, cytotoxicity, and DNA binding properties

Mohammad Aminzadeh, Hassan Mansouri Torshizi, Roghayeh Aleeshah, Khatereh Abdi, Maryam Saeidifar

BIOMETALS Volume: (34) 1173 - 1189

9. تهيه و شناسايي ليگاندهاي آلكيل دي تيوكربامات و كمپلكس هاي Ni2+ آن ها

, Hassan Mansouri Torshizi, Khatereh Abdi

Volume: (40) 153 - 163

2020

10. A novel cadmium(II) complex of bipyridine derivative: synthesis, X-ray crystal structure, DNA-binding and antibacterial activities

, Niloufar Akbarzadeh- Torbati, Khatereh Abdi, Michal Dusek, Vaclav Eigner

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: (38) 236 - 247

11. Solvothermal synthesis of g-C3N4 and ZnO nanoparticles on TiO2 nanotube as photoanode in DSSC

Ismaeil Mohammadi, Fatemeh Zeraatpisheh, Elham Ashiri, Khatereh Abdi

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: (45) 18831 - 18839

12. Interaction of bis(alkylamine)dichloropalladium(II) complexes with CT-DNA and BSA; their synthesis, characterization, antitumor, and antibacterial evaluations

Farahnaz Mohamadlo, Hassan Mansouri Torshizi, Khatereh Abdi

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: () 1 - 67

2019

13. Ordering a selected Zn(II), Cu(II), Pd(II) and Co(III) complex compounds. Their separately and combinedly antibacterial therapy and DNA-binding studies

Hassan Mansouri Torshizi, Fatemeh Khosravi, Khatereh Abdi, Sare Zareian jahromi

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: (37) 1 - 41

14. Nonionic but water soluble, [Glycine-Pd-Alanine] and [Glycine-Pd-Valine] complexes. Their synthesis, characterization, antitumor activities and rich DNA/HSA interaction studies

Hassan Mansouri Torshizi, Sare Zareian jahromi, Khatereh Abdi, Maryam Saeidifar

JOURNAL OF BIOMOLECULAR STRUCTURE and DYNAMICS Volume: (37) 3566 - 3582

15. Preparation and characterization of alkyldithiocarbamte ligands and their Ni(II) complexes

, Hassan Mansouri Torshizi, Khatereh Abdi

Volume: () -

Conferences Papers

2023

1. Interaction of a new Pd(II)-piperidine complex with CT-DNA using fluorescence spectroscopy

22nd Iranian Inorganic Chemistry Conference

2. A new Pd(II) complex with morpholine ligand and its interaction with CT-DNA by electronic absorption spectroscopy

Saeedeh Moradgholi, Khatereh Abdi, Hassan Mansouri Torshizi

3. Synthesis and characterization of a new Pd(II) complex with pyrrolidine ligand and its interaction with CT-DNA by electronic absorption spectroscopy

Masomeh Kamalideljo, Khatereh Abdi, Hassan Mansouri Torshizi

2019

4. Binding mode investigation between a platinum (II) complex and BSA by fluorescence spectroscopy

20th Iranian Inorganic Chemistry Conference

Khatereh Abdi

5. Linear Dichroism in DNA-Drug Interaction Studies

20th Iranian Inorganic Chemistry Conference

Khatereh Abdi

6. Investigation of interaction between [Pd(en)(2-pyc)]NO3 and bovine serum albumin (BSA) using fluorescence spectroscopy

20th Iranian Inorganic Chemistry Conference

Nasimeh Jamgohari, Khatereh Abdi

2018

7. Interaction of Ethylenediamine 2-pyridinecarboxcylatopalladium(II) nitrate with CT-DNA/BSA and its anti-tumor activity

20th Iranian Chemistry Congress

Hassan Mansouri Torshizi, Nasimeh Jamgohari, Khatereh Abdi

Executive activities

مشاوره دانشجویان کارشناسي

from 1402/07/01 - to 1403/04/04