



## Khaterah Abdi

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## 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

## Courses

1. metallicorganic 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

## Master Thesis

### 1. Spectroscopy - docking and molecular dynamics studies on the interaction between cis and transpalladium-alanine complexes with calf-thymus DNA and antitumor activities

اسما ایزدیار, [Hassan Mansouri Torshizi, , Khaterah Abdi]

نیمسال دوم سال تحصیلی 00-01

### 2. Spectroscopic studies on the interaction between two Pd(II) complexes and bovine serum albumin

اعظم راشکی کمک, [Khaterah Abdi]

نیمسال اول سال تحصیلی 00-01

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

حبیبه نخعی, [Khaterah Abdi]

نیمسال اول سال تحصیلی 00-01

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## Journals Papers

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### 2021

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1. 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 Heidarpour 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

2. Experimental and Computational Studies on the Interaction between DNA and BSA with a Couple of Isomeric [Pd(daf)(Leu)]<sup>+</sup>, and [Pd(daf)(Ile)]<sup>+</sup> 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

### 2020

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3. 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

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

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

Volume: () -

5. Solvothermal synthesis of g-C<sub>3</sub>N<sub>4</sub> and ZnO nanoparticles on TiO<sub>2</sub> nanotube as photoanode in DSSC

Ismaeil Mohammadi, Fatemeh Zeraatpisheh, Elham Ashiri, Khatereh Abdi

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

6. 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

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7. 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

8. 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

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9. Preparation and characterization of alkyldithiocarbamate ligands and their Ni(II) complexes

, Hassan Mansouri Torshizi, Khatereh Abdi

Volume: () -

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## Conferences Papers

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### 2019

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

20th Iranian Inorganic Chemistry Conference

Khatereh Abdi

2. Linear Dichroism in DNA-Drug Interaction Studies

20th Iranian Inorganic Chemistry Conference

Khatereh Abdi

3. Investigation of interaction between [Pd(en)(2-*pyc*)]NO<sub>3</sub> and bovine serum albumin (BSA) using fluorescence spectroscopy

20th Iranian Inorganic Chemistry Conference

Nasimeh Jamgohari, Khatereh Abdi

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### 2018

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

20th Iranian Chemistry Congress

Hassan Mansouri Torshizi, Nasimeh Jamgohari, Khatereh Abdi