

CURRICULUM VITAE

Masood Fereidoonnezhad

Associate Professor of Medicinal Chemistry,
Department of Medicinal chemistry, Faculty of Pharmacy,
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GENERAL INFORMATION

Gender: Male

Birth Date: 31th October 1983

ID Card: 6579926325

Place of Birth: Mohr, Shiraz, Iran

Marital Status: Married with two cute girls

H-index: 16

EDUCATIONAL BACKGROUND:

Shiraz University of Medical Sciences, Shiraz, Iran Sep 2011-Sep 2015.

PhD Student, Medicinal Chemistry.

Dissertation Title: “**Design, molecular modeling, synthesis and cytotoxic activity of novel DCA analogues as potential anticancer agents**”.

Advisor: Prof. Z. Rezaei, Dr. S. M. H. Tabaei

Shiraz University, Shiraz, Iran Sep 2006-Feb 2009

Master of Science, Organic Chemistry.

Dissertation Title: “**1,3,2,4-Diazadiphosphetidines as a new generation of P-N ligands for palladium-catalyzed carbon-carbon bond formation under base free conditions**”.

Advisor: Prof. N. Iranpoor, Prof. H. Firouzabadi.

Shiraz University, Shiraz, Iran Sep 2002-Sep 2006

BS, Chemistry.

BS Final project: “**Designing Several Automated Titration Systems with End-Point Detection by Atomic Absorption Spectrometry**”

Supervisor: Prof. A. Safavi and Mr. N. Maleki.

EMPLOYMENT:

Associate Professor of Medicinal Chemistry, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, Since June 2021- Present.

Assistant Professor of Medicinal Chemistry, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, Since, October 2015 - June 2021.

RESEARCH INTERESTS

- Molecular Modeling and Drug design (Molecular docking and QSAR)
- Medicinal and bioorganic chemistry,
- Organometallic compounds as anticancer agents (Synthesis and biological evaluations of gold(I), Platinum (II), Rhodium, Iridium, and Rutenium complexes as anticancer agents)
- Synthesis and characterization of new organic compounds,
- Improving new methodologies in the synthesis of organic compounds specially in green media,
- Synthesis of heterocyclic compounds

EXPERIENCE and SKILLS

GC-MS, HPLC, GC, FT-IR Spectrometer NMR Spectrometer, UV-Vis Spectrometer.

Able to interpret: SEM, XRD, Mass, NMR and IR spectra.

Computer abilities:

- ✚ **Molecular Modelling Software:** QSAR, Molecular docking, Autodock 4.2, Autodock vina, MOE 2019, Discovery studio visualizer, VMD Modeller, PyRx, Dragon, Spss, Homology Modeling, gromacs
- ✚ **General Software:** MS. Word, MS. Excel, MS. PowerPoint, Hyper chem, Chem Office, ACD Labs, MestreNova, Adobe Photoshop and designing web pages

Five Recent PUBLICATIONS

1. Luminescent Heterobimetallic Pt^{II}-Au^I Complexes Bearing N-Heterocyclic Carbenes (NHCs) as Potent Anticancer Agents

Dolatyari V, Shahsavari HR*, Fereidoonzehad, M*, Farhadi F, Akhlaghi S, Latouche C, Sakamaki Y, Beyzavi H*

Inorganic Chemistry, **2023**, 62, 33, 13241–13252

2. Effects of diphosphine ligands on the anticancer behavior of cycloplatinated(II) complexes of 2,2'-bipyridine N-oxide: In vitro cytotoxicity, apoptosis, genotoxicity, and molecular docking studies

Mohammadi M, Abedanzadeh S, Fereidonnejad R, Mahdavinia M, Fereidoonzehad, M*
Journal of Organometallic Chemistry, **2023**, 996, 122759.

3. ROS-Mediated Antitumor Activity, Apoptosis, and Molecular Docking Studies of Platinum(II) Coordination Complexes Bearing 2-(Diphenylphosphino)pyridine Ligands

Mojaddami A, Abedanzadeh S, Bagherzadeh M, Foroutan G, Khodayar MJ, Panahimehr M, Fereidoonzezhad, M*

Chemistry & Biodiversity, **2023**, 20 (7), e202201177.

4. Synthesis of a half-sandwich complex of ruthenium(ii) with a nonsymmetric bis-nitrogen donor ligand: biological investigations

Yarahmadi S, Jokar E, Shamsi Z, Nahieh D, Moosavi M, Fereidoonzezhad, M*, Shamsavari HR.

New Journal of Chemistry, **2023**, 47(13), pp. 6266-6274.

5. Synthesis of N-(2-(tert-Butylamino)-2-oxoethyl)-2,2-dichloro-N-aryl(alkyl)acetamides as Anticancer Agents: Molecular Modeling and Biological Evaluations

Zare, S., Ramezani, Z., Ghadiri, A.A., Fereidoonzezhad, M*.

ChemistrySelect, **2023**, 8(1), e202203931.

EXTERA-CURRICULUM AND MEMBERSHIP

2023-Present: **Editor in Chief (EIC)** of Jundishapur Journal of Natural Pharmaceutical Product (JJNPP).

2021-2023: **Associate Editor** of Jundishapur Journal of Natural Pharmaceutical Product (JJNPP).

2021-Present: Responsible for the implementation of **ISO 17025** in the laboratories of the Faculty of Pharmacy

2021-Present: **Supervisor of quality control** of the laboratories of the Faculty of Pharmacy

2020-Present: **Head of the Central Laboratory** of the Faculty of Pharmacy

2019-Present: Member of the Research Council at the Toxicology Research Center of Junishapur University of Medical Sciences.

TEACHING EXPERIENCES

- 1) General Chemistry Laboratories (B.Sc. & Pharm.D.)
- 2) General Chemistry Courses (B.Sc. & Pharm.D)
- 3) Medicinal Chemistry Courses (B.Sc. & M.Sc. & Pharm.D &Ph.D)
- 4) The Quality Control of Medicines (Pharm.D)
- 5) The Quality Control of Medicines Laboratories (Pharm.D)
- 6) Computational Chemistry (B.Sc. & M.Sc. & Pharm.D &Ph.D)
- 7) Organic Chemistry (B.Sc. & M.Sc.)
- 8) Inorganic Chemistry (B.Sc.)
- 9) Analytical Chemistry (B.Sc. & M.Sc. & Pharm.D)