

Mostafa Heidari Majd, Ph.D of Medicinal Chemistry

Associate Professor

Current affiliation:

- Zabol University of Medical Sciences, Zabol, Iran until present

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<https://www.scopus.com/authid/detail.uri?authorId=57188553782>
<https://scholar.google.com/citations?user=exPvGZsAAAAJ&hl=en&oi=ao>
<https://publons.com/researcher/2247823/mostafa-heidari-majd/>
<https://publons.com/researcher/1-5694-2016/>
https://www.researchgate.net/profile/Mostafa_Heidari_Majd3

Education Experience

Dec 2012 – present

Medicinal Chemistry 1, 2, 3 - Organic Chemistry 1, 2 - General Chemistry - Analytical Chemistry - Instrumental Analysis Chemistry - Physicochemical Control

Research Experience

Dec 2012 – present

at Faculty of Pharmacy

Zabol University of Medical Sciences, Zabol, Iran

Awards & Grants

Second Prize for Research in the Faculty of Pharmacy, Zabol University of Medical Sciences, 2015

First Prize for Research in the Faculty of Pharmacy, Zabol University of Medical Sciences, 2016

First Prize for Education in the Faculty of Pharmacy, Zabol University of Medical Sciences, 2016

Second Prize for Research in Zabol University of Medical Sciences (overall), 2018

First Prize for Education in the Faculty of Pharmacy, Zabol University of Medical Sciences, 2019

Fourth Prize for Research in Zabol University of Medical Sciences (overall), 2018

First Prize for Research in Zabol University of Medical Sciences (overall), 2021

Skills & Activities

Skills Synthesis of Nanoparticle, Drug Delivery, Real Time PCR, Cell Culture, Green Nanomaterials, Flow Cytometry, Gene Expression, Cancer Cells, Drug Release, Synthesis of Metallo complexes, Synthesis of Host-Guest Supramolecular magnetic nanoparticles, Synthesis of Hydrophilic nanoparticles by Hyaluronic acid, Molecular Modeling, Lipid peroxidation, Synthesis of green Nanoparticle by plant extracts

Publication Highlights

For manuscripts published from date range December 2012 - December 2021

CITATIONS

494

H-INDEX

15

PUBLICATIONS

33

The role of folic acid in inducing of apoptosis by zinc(II) complex in ovary and cervix cancer cells

Published: 2021 in Molecular Diversity

DOI: 10.1007/s11030-021-10293-5

Investigation on protective effects of magnetic nanoparticles containing methotrexate and tamoxifen in inhibition of hepatocyte toxicity and induction of apoptosis

Published: 2021 in Latin American Journal of Pharmacy

DOI:

The in vitro apoptotic effect of new zinc complex possessing folic acid and phenanthroline on cervix cancer cells

Published: 2021 in Applied Organometallic Chemistry

DOI: 10.1002/aoc.6525

Evaluation of Induced Apoptosis by Biosynthesized Zinc Oxide Nanoparticles in MCF-7 Breast Cancer Cells Using Bak1 and Bclx Expression

Published: September 2021 in Doklady Biochemistry and Biophysics,

DOI: 10.1134/S1607672921050148

In Vitro Apoptosis Evaluation and Kinetic Modeling onto Cyclodextrin-Based Host-Guest Magnetic Nanoparticles Containing Methotrexate and Tamoxifen

Published: Jun 2021 in BioNanoScience

DOI: 10.1007/S12668-021-00877-8

Investigation and comparison of biological effects of regioselectively synthesized thiazole derivatives

Published: Apr 2021 in Journal of Heterocyclic Chemistry

DOI: 10.1002/JHET.4278

Palladium and platinum complexes of folic acid as new drug delivery systems for treatment of breast cancer cells

Published: Apr 2021 in Journal of Molecular Structure

DOI: 10.1016/J.MOLSTRUC.2020.129806

Kinetic Modeling on Mitoxantrone Release from Hyaluronic MNP as a Drug Delivery System

Published: Jan 2021 in Chemical Methodologies

DOI: 10.22034/CHEMM.2021.118506

Synthesis and Apoptotic Efficacy of Biosynthesized Silver Nanoparticles Using Acacia Luciana Flower Extract in MCF-7 Breast Cancer Cells: Activation of

Bak1 and Bclx for Cancer Therapy

Published: Sep 2020 in BioNanoScience

DOI: 10.1007/S12668-020-00753-X

Synthesis of new ultrasonic-assisted palladium oxide nanoparticles: an in vitro evaluation on cytotoxicity and DNA/BSA binding properties

Published: Nov 2019 in Journal of Biomolecular Structure and Dynamics

DOI: 10.1080/07391102.2018.1546619

Anti-cancer study and whey protein complexation of new lanthanum(III) complex with the aim of achieving bioactive anticancer metal-based drugs

Published: May 2019 in Journal of Biomolecular Structure and Dynamics

DOI: 10.1080/07391102.2018.1476266

Synthesis and characterization of highly efficacious Fe-doped ceria nanoparticles for cytotoxic and antifungal activity

Published: Apr 2019 in Ceramics International

DOI: 10.1016/J.CERAMINT.2019.01.108

A comparative study of the impact of metal complex size on the in vitro biological behavior of hetero di- and poly-nuclear Mn-Co complexes

Published: Feb 2019 in Journal of Molecular Structure

DOI: 10.1016/J.MOLSTRUC.2018.10.074

Novel tetradentate Schiff base zinc(II) complex as a potential antioxidant and cancer chemotherapeutic agent: Insights from the photophysical and computational approach

Published: Feb 2019 in Journal of Molecular Structure

DOI: 10.1016/J.MOLSTRUC.2018.10.005

Investigating the biological potency of novel lanthanum(III) amino acid complex: MCF-7 breast cancer cell line, BSA and beta-LG as targets

Published: Feb 2019 in Journal of the Iranian Chemical Society

DOI: 10.1007/S13738-018-1508-7

Hyaluronan magnetic nanoparticle for mitoxantrone delivery toward CD44- positive cancer cells

Published: Nov 2018 in Colloids and Surfaces B: Biointerfaces

DOI: 10.1016/J.COLSURFB.2018.07.025

Evaluation of supramolecule conjugated magnetic nanoparticles as a simultaneous carrier for methotrexate and tamoxifen

Published: Oct 2018 in Journal of Drug Delivery Science and Technology

DOI: 10.1016/J.JDDST.2018.07.006

Palladium(II) complexes of biorelevant ligands. Synthesis, structures, cytotoxicity and rich DNA/HSA interaction studies

Published: Aug 2018 in Journal of Biomolecular Structure and Dynamics

DOI: 10.1080/07391102.2017.1372309

Hyaluronic acid/polyethylene glycol nanoparticles for controlled delivery of mitoxantrone

Published: May 2018 in Artificial Cells, Nanomedicine, and Biotechnology

DOI: 10.1080/21691401.2017.1324462

Comparative study on the anticancer activities and binding properties of a hetero metal binuclear complex $[\text{Co}(\text{dipic})(2)\text{Ni}(\text{OH}_2)(5)]\text{center dot } 2\text{H}_2\text{O}$ (dipic = dipicolinate) with two carrier proteins

Published: Oct 2017 in Journal of Pharmaceutical and Biomedical Analysis

DOI: 10.1016/J.JPBA.2017.06.067

Evaluation of host-guest system to enhance the tamoxifen efficiency

Published: May 2017 in Artificial Cells, Nanomedicine, and Biotechnology

DOI: 10.3109/21691401.2016.1160916

Exploring isoxsuprine hydrochloride binding with human serum albumin in the presence of folic acid and ascorbic acid using multispectroscopic and molecular modeling methods

Published: May 2017 in Journal of Photochemistry and Photobiology B: Biology

DOI: 10.1016/J.JPHOTOBIO.2017.04.007

Different Applications of Magnetic Nanoparticles in the Rapid Monitoring of Ochratoxin A

Published: Feb 2017 in Oriental Journal of Chemistry

DOI: 10.13005/OJC/330141

A Simple and Fast Method for Magnetic Solid Phase Extraction of Ochratoxin A

Published: 2017 in Journal of the Brazilian Chemical Society

DOI: 10.21577/0103-5053.20160245

Investigating the Apoptosis Ability of Ethylenediamine 8-Hydroxyquinolinato Palladium (II) Complex

Published: 2016 in Advanced Pharmaceutical Bulletin

DOI: 10.15171/APB.2016.058

Synthesis, characterization, in vitro cytotoxicity, in silico ADMET analysis and interaction studies of 5-dithiocarbamate-1,3,4-thiadiazole-2-thiol and its zinc(ii) complex with human serum albumin: combined spectroscopy and molecular docking investigations

Published: 2016 in RSC Advances

DOI: 10.1039/C6RA17322E

Multifunctional mitoxantrone-conjugated magnetic nanosystem for targeted therapy of folate receptor-overexpressing malignant cells (vol 13, 26, 2015)

Published: Sep 2015 in Journal of Nanobiotechnology

DOI: 10.1186/S12951-015-0108-2

Multifunctional mitoxantrone-conjugated magnetic nanosystem for targeted therapy of folate receptor-overexpressing malignant cells

Published: Mar 2015 in Journal of Nanobiotechnology

DOI: 10.1186/S12951-015-0083-7

SPECIFIC TARGETING OF FOLATE RECEPTOR BY METHOTREXATE CONJUGATED MODIFIED MAGNETIC NANOPARTICLES: ENZYMATIC RELEASE AND CYTOTOXIC STUDY

Published: 2015 in International Journal of Pharmaceutical Sciences and Research

DOI: 10.13040/IJPSR.0975-8232.6(12).5047-55

Fe₃O₄ nanoparticles engineered for plasmid DNA delivery to Escherichia coli

Published: Jul 2014 in Journal of Nanoparticle Research

DOI: 10.1007/S11051-014-2521-0

Synthesis, Cytotoxicity and DNA Binding of Novel Binuclear Antitumor Complexes Formed by Linking Two "2,2'-Bipyridine Palladium (II)" Moieties Via Alkylene Bisdithiocarbamates

Published: 2014 in Asian Journal of Pharmaceutical Technology and Innovation

Tamoxifen loaded folic acid armed PEGylated magnetic nanoparticles for targeted imaging and therapy of cancer

Published: Jun 2013 in Colloids and Surfaces B: Biointerfaces
DOI: 10.1016/J.COLSURFB.2013.01.051

Targeted Fluoromagnetic Nanoparticles for Imaging of Breast Cancer MCF-7 Cells
Published: Jun 2013 in Advanced Pharmaceutical Bulletin
DOI: 10.5681/APB.2013.031

Specific targeting of cancer cells by multifunctional mitoxantrone-conjugated magnetic nanoparticles
Published: May 2013 in Journal of Drug Targeting
DOI: 10.3109/1061186X.2012.750325