

Curriculum Vitae

Personal Data:

Name & Surname: Davood Mahdian

Date & Place of Birth: 10/9/1985 (10/6/1364) Mashhad- Iran

Gender: Male

Citizenship: Iranian

Marital Status: Married

Work address:

Department of Physiology and Pharmacology, School of Medical, Sabzevar University of Medical Sciences, Sabzevar, Iran.

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Current position (Dec 2016)

Pharmacologist. PharmD, Ph.D.

Academic Background:

1. March 2010

Beginning a Ph.D. program in the Department of Pharmacology at Iran University of Medical Sciences, Faculty of Medical, Mashhad, Iran.

2. September 2003 until September 2009

Pharmacy program at Mashhad University of Medical Sciences, Faculty of Medicine, Mashhad, Iran.

Awards and Ranks:

Nothing

Membership:

Nothing

Reviewer Experience:

Reviewer in Toxicology Mechanism and Method journal for **Effects of sulfated and non-sulfated β -glucan extracted from *Agaricus brasiliensis* in breast adenocarcinoma cells – MCF-7.**

۲- داور مقاله ی بررسی اثر ضد میکروبی عصاره اتانولی و متانولی فلفل سیاه بر روی باکتری های مقاوم به آنتی بیوتیک به شکل منفرد و بیوفیلیم در مجله علمی پژوهشی دانشگاه علوم پزشکی سبزوار (فروردین ۹۶)

۳- داور مقاله ی بررسی کارایی فرایند اکسیداسیون پیشرفته اولتراسونیک / تابش فرابنفش / پراکسید هیدروژن در حذف آنتی بیوتیک تتراسایکلین از محلول های آبی در مجله علمی پژوهشی دانشگاه علوم پزشکی سبزوار (اردیبهشت ۹۶)

Published Original papers:

- 1- Different effects of adenylyl cyclase activators and phosphodiesterases inhibitors on cervical cancer (HeLa) and breast cancer (MCF-7) cells proliferation. **Mahdian D**, Shafiee-Nick R, Mousavi SH. Toxicol Mech Methods. 2014 Mar 19.
- 2- Evaluation the blood pressure lowering effect mechanisms of aqueous extract of Saffron in blood pressure of rats. **Mahdian D**, Hosseinzade H, Imenshahidi M. Navid No (Mashhad University of medical sciences): 44, 2009.
- 3- Cytotoxicity evaluation of extracts and fractions of five marine sponges from the Persian Gulf and HPLC fingerprint analysis of cytotoxic extracts. **Mahdian D**, Iranshahy MI, Shakeri A, Hoseini A, Nazemi M, Iranshahi ME. Asian Pacific Journal of Tropical Biomedicine. 2015; 5 (11).
- 4- Protective Effect of Lactuca Serriola on Doxorubicin-induced toxicity in H9C2 Cells. Hosseini A, **Mahdian D**. Acta Poloniae Pharmaceutica - Drug Research. 2016; 73 (3): 659-666.
- 5- Growth Inhibition and Apoptosis Induction of Red Cabbage (*Brassica oleracea*) on MCF-7 Breast Cancer Cell Line. **Mahdian D**, Hosseini A, Mousavi

SH, Bihanta M, Vahedi MM. Iranian journal of Obstetrics Gynecologists, and Infertility. 2015; 18 (155): 1-11.

6- Cytotoxic and apoptogenic effects of *Perovskia abrotanoides* flower extract on MCF-7 and HeLa cell lines. Mohamad Ali Geryani, **Davood Mahdian**, Seyed Hadi Mousavi, Azar Hosseini. Avicenna journal of phytomedicine. 2015.

7- Effect of hydro-alcoholic extract of *Nigella sativa* on pregnancy in rat. Ahmad Ghorbani, Reza Salarinia, **Davood Mahdian**, Hassan Rakhshandeh. Iranian journal of Obstetrics Gynecologists, and Infertility. 2015; 18(165-166): 1-24.

8- The Effect of *Apium Graveolens* on Doxorubicin-Induced Toxicity in H9c2 Cardiomyoblasts. **Mahdian D**, Hosseini A, Rakhshandeh H. 2015; 24(104): 10-19.

9- Effects of hydro-alcoholic extract of *Ferula gummosa* on pregnancy and lactating in rat. **Davood Mahdian**, Ahmad Ghorbani (submission).

10- Selective PDE3 inhibitors inhibit cervical cancer (Hela) and breast cancer (MCF-7) cells proliferation via cAMP-dependent and independent pathways. **Davood Mahdian**, Reza Shafiee-Nick, Seyed Hadi Mousavi, Azar Hosseini, Mohammad Mahdi Vahedi, Ghazaleh Dadashizadeh (submission).

Presentations:

Pharmacology Seminar in Kerman University of Medical Science.
Investigation the mechanism of blood pressure reduction of aqueous extract of saffron in blood pressure of rat.1388

Pharmacology & Toxicology Seminar in Tabriz University of Medical Science. Investigating the effects of PDE inhibitors of cyclic nucleotide on cervical cancer (Hela) and breast cancer (MCF7) cell lines proliferation and cAMP concentration.1392

Nutrition and cancer congress in Yazd University of Medical Science.
Different effects of adenylyl cyclase activators and phosphodiesterase's inhibitors on cervical cancer (HeLa) and breast cancer (MCF-7) cells proliferation.1393

22nd Iranian Congress of Physiology & Pharmacology in Kashan University of Medical Science. Effects of cilostamide derivatives, selective PDE3 inhibitors, on cardiomyocyte (H9C2) cell line proliferation.1394.

Accepted Projects :

Nothing

Technical Skills:

Cell culture

Cytotoxicity assay (MTT, WST, MDA...),

Assays of apoptosis and analysis by WINMDI software

Assay of apoptosis by flow cytometry

Assay of intracellular reactive oxygen species (ROS) by flow cytometry

Assay of synergistic effect of drugs analysis by compusyn software

Assay of intracellular cAMP

Assay of angiogenesis

Western blotting

Animal study (Matting,...)

Preparation of various extract of medicinal plants such as hot continuous extraction (Soxhlet), aqueous-alcoholic extract and ...

Isolation fractions of extract