

PERSONAL INFORMATION

First Name: Maryam

Last Name: Mohammadian

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Address: Department of Physiology, School of Medicine,
Kermanshah University of Medical Sciences, Tehran, Iran



EDUCATION BACKGROUND

- Operating room technician, Ahvaz Jundi shapur University of Medical Sciences, 2003-2005
- B.Sc. Of Nursing, Shiraz University of Medical Sciences, 2005-2007
- M.Sc of Medical Physiology, Ahvaz Jundi shapur University of Medical Sciences, 2007-2010
THESIS: “Effects of Urtica Dioica leaf extract on Glucose, Lipid, Insulin and leptin in male rat model of prediabetes”
- Ph.D Of Medical Physiology, Tehran University of Medical Sciences, 2010-2015
THESIS: “Evaluation of the Combined Therapy with Simvastatin and Bone Marrow Derived Mesenchymal Stem Cells on Airway Remodeling in the Mouse Ovalbumin Asthma model”

WORK EXPERIENCE

Faculty member, school of Medicine, Kermanshah University of Medical Sciences,
Kermanshah, IRAN. 2016- Present

EDUCATIONAL ACTIVITIES

- 1- Cell Physiology, Ph.D students of Nuclear Pharmacy, Tehran University of Medical Sciences
- 2- Cell Physiology, medical students, Kermanshah University of Medical Sciences
- 3- Respiratory Physiology, Master students of Medical Engineering, Medical Physics, Biochemistry and Toxicology, Tehran University of Medical Sciences
- 4- Respiratory Physiology, medical, pharmacy and dentistry students, Kermanshah University of Medical Sciences
- 5- Gastrointestinal Physiology, Master students of Medical Engineering, Medical Physics, Biochemistry and Toxicology, Tehran University of Medical Sciences
- 6- General Physiology, different paramedical students, Tehran University of Medical Sciences and Kermanshah University of Medical Sciences

RESEARCH INTEREST

Evaluation of the effect of different therapeutic interventions on respiratory variables using animal models of asthma and allergy in different pathological conditions

PUBLICATIONS

- 1- Ileal relaxation induced by Mentha longifolia (L.) leaf extract in rat. Naseri MK, Naseri ZG, **Mohammadian M**, Birgani MO. Pak J Biol Sci. 2008 Jun 15; 11(12):1594-9.
- 2- Antispasmodic effect of Physalis alkekengi fruit extract on rat uterus. Gharib Naseri MK, **Mohammadian M**, Gharib Naseri Z. Iranian Journal of Reproductive Medicine. 2008 autumn; 6(4): 193-198.
- 3- Antidiabetic Effect of Hydroalcoholic Urtica dioica Leaf Extract in Male Rats with Fructose- Induced Insulin Resistance. Ahangarpour A, **Mohammadian M**, Dianat M. Iran J Med Sci. 2012 September; 37(3):181-186.
- 4- Effects of Forced Exercise on Withdrawal Syndrome, Brain Hippocampus Neurons Count and Level of Serum Corticosterone in Morphine Addicted Male Rats. Sarkaki A, **Mohammadian M**, Panahi M, Ahangarpour A, Rahim F. Jundishapur Sci Med J 2012; 11(1):11-25.
- 5- Evaluation of analgesic effects of intrathecal eugenol in male rats. Abedi HA, Fathi-Moghaddam H, **Mohammadian M**, Shahrani M. Journal of Shahrekord University of Medical Sciences (J Shahrekord Univ Med Sci) 2012 May, June; 14(2): 23-30.
- 6- Rosmarinic acid exerts a neuroprotective effect in the kainate rat model of temporal lobe epilepsy: Underlying mechanisms. Khamse S, Sadr SS, Roghani M, Hasanzadeh G, **Mohammadian M**. Pharm Biol. 2015; 53(12):1818-25.
- 7- Effect of bone marrow derived mesenchymal stem cells on lung pathology and inflammation in ovalbumin- induced asthma in mouse. **Mohammadian M**, Boskabady

MH, Ragerdi Kashani I, Pirzad G, Omidi A, Kavian Nejad M, Khamse S, Sadeghipour HR. Iranian Journal of Basic Medical Sciences. 2016; 19 (1): 55-63.

- 8- Evaluation of simvastatin and bone marrow-derived mesenchymal stem cells combination therapy on airway remodeling in a mouse asthma model. **Mohammadian M**, Sadeghipour HR, Ragerdi Kashani I, Pirzad Jahromi G, Omidi O, Kavian Nejad A, Golchoobian R, Boskabady MH. Lung. 2016; 194(5): 777-85.
- 9- Ghrelin Alleviates MDMA-Induced Disturbance of Serum Glucose and Lipids Levels in the Rat. Golchoobian R, Nabavizadeh F, Roghani M, Foroumadi A, **Mohammadian M**. Acta Med Iran. 2017 Dec;55(12):736-743.
- 10- Effects of Viola tricolor Flower Hydroethanolic Extract on Lung Inflammation in a Mouse Model of Chronic Asthma. Elham Harati , Maryam Bahrami, Alireza Razavi, Mohammad Kamalinejad, **Maryam Mohammadian**, Tayebeh Rastegar, Hamid Reza Sadeghipour iranian journal of allergy asthma and immunology. 2018 Oct 14;17(5):409-417.
- 11- Simvastatin and bone marrow-derived mesenchymal stem cells (BMSCs) affects serum IgE and lung cytokines levels in sensitized mice. **Maryam Mohammadian**, Hamid Reza Sadeghipour , Gila Pirzad Jahromi , Mahvash Jafari , Amir Kavian Nejad , Safoura Khamse , Mohammad Hossein Boskabady. Cytokine. 2019 Jan;113:83-88.
- 12- The Effect of Rosmarinic Acid on Apoptosis and nNOS Immunoreactivity Following Intrahippocampal Kainic Acid Injections in Rats. Safoura Khamse, Seyed Shahabeddin Sadr, Mehrdad Roghani, **Maryam Mohammadian**, Narges Marefati, Mina Rashvand. Basic and Clinical Neuroscience. 2020; 11 (1) :41-48.

13- Heart rate variability as a predictive factor for coronary artery disease. Ravieh Golchoobian, Sayyad Abbas Foroutan, **Maryam Mohammadian**. Journal of Basic and Clinical Pathophysiology. 2021; 9(1):16-22.

14- Potential autonomic nervous system dysfunction in COVID-19 patients detected by heart rate variability is a sign of SARS-CoV-2 neurotropic features. **Maryame Mohammadian**, Ravieh Golchoobian. Molecular Biology Reports. 2022;49(8):8131-37.

PARTICIPATION IN CONGRESSES

- 1- Obesity, Shiraz University of Medical Sciences, Shiraz, Iran, November 30, 2006
- 2- The first seminar of nanotechnology and their applications in medicine and science, Tehran, Iran, November 16, 2010
- 3- 14th congress of Iranian Pharmacy students, Ahvaz, Iran, February 2009
- 4- 19th Iranian congress of physiology & pharmacology, Tehran, Iran, November 1-4, 2009
- 5- 20th Iranian congress of physiology & pharmacology, Hamedan, Iran, October 10-14, 2011
- 6- The 1st National Congress on Electrophysiology, Tehran, Iran, 20-22 May, 2015
- 7- 1st International and 22nd Iranian congress of physiology & pharmacology, Kashan, Iran, September 7-11, 2015
- 8- 2nd Iranian Congress on Progress in Engineering and Regenerative Medicine, November 7-9, 2015
- 9- 4th International and 25nd Iranian congress of physiology & pharmacology, Tehran, Iran, October 20-24, 2021
- 10- 5th international biomedical congress, Tehran, Iran, November 10, 2021
- 11- 5th seminar on professional commitment in the health system, 23-24 February, 2022
- 12- 3rd Shahid Motahari university congress of innovative educational process, 10 May, 2022

EXECUTIVE COMMITTEE MEMBERS OF CONGRESSES

The first seminar of nanotechnology and their applications in medicine and science, Tehran, Iran, November 16, 2010