



Mahdi Aliomrani

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📅 24/05/1987

🇮🇷 Iranian

👤 Married

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🏠 <https://scholar.google.com/citations?user=0UNoy6UAAA&hl=en>

🎓 Education

Doctor of Pharmacy (Pharm.D.),
Isfahan University of Medical Sciences

Isfahan, Iran

Ph.D. (Pharmacology And Toxicology),
Tehran University of Medical Sciences

Tehran, Iran

👜 Work History

Assistant Professor of Pharmacology and Toxicology

2016 – present

Supervised 12 Undergraduate and 8 Post Graduate Students.

Assessed student learning to support course and program objectives.

Publication of "Drugs during pregnancy" and "Basic Pharmacology" Books

Assisted in constructing, implementing, evaluating and revising Pharm.D and B.Pharm curriculum for an international students.

Skills

Multiple sclerosis animal model (CPZ, EAE,..)	Immunohistochemistry test (IHC)
Ovariectomy induced osteoporosis	In vivo metastatic tumor models (4T1 and MCF-7)
Genotoxicity tests (Comet assay & Micronucleus test)	Caecal ligation and puncture (Sepsis model)
Rat Stereotaxic surgery	Morris water maze
PCR (Conventional, Real time PCR, ARMS, RFLP, RT-PCR)	Laboratory animal's handlings and injections
Cell Culture Techniques	Gel electrophoresis
Western blotting	DNA Extraction
MTT assay	ELISA
Flowcytometry	Graphpad prism
Fiji ImageJ	Primer design and bioinformatics' software
Mendeley	

Languages

English	● ● ● ● ●	Persian	● ● ● ● ●
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Membership

Advisory board of Analytical Methods in Environmental Chemistry Journal	2018 – present
Iranian Physiology and Pharmacology Association	2015 – present
Iranian Society of Nano-medicine	2014 – present
Iranian Cell Death Association (ICDA)	2014 – present
Member of Tehran University of Medical Sciences Organization for Development of Exceptional Talents (EDTC.TUMS.ac.ir)	2012 – 2016

Awards

Isfahan University of Medical Sciences “Outstanding Undergraduate Student and Class Valedictorian Award” for 5 consequent years.

The 8th position in “National Pharmacy Basic Sciences Comprehensive Exam”.(2007).

Recognized as a brilliant undergraduate student in “Third pioneer student congress of Isfahan University of Medical Sciences”(2007).

Considered as an outstanding undergraduate student in “Fifth pioneer student congress of Isfahan University of Medical Sciences” (2009).

Recognized as an outstanding undergraduate student in “Sixth pioneer student congress of Isfahan University of Medical Sciences” (2011).

Participation in the “3rd national congress on cellular and molecular news in non contagious disease 13-15 May 2015” and selected as a best poster presentation entitled: The COX-2 independent effect of Celecoxib and Rofecoxib on proliferation of HT-29, HCT-116 and A549 cancer cells.

Certificates

- Animal handling
- Clinical skills
- End Note
- Database research
- Real time PCR
- Stem cells
- Primer designing
- Presentation skills

Interests

Neuroscience, Immune system, Clinical Toxicology, Dynamic Epigenome & Epigenetic, Genetic toxicology, Playing a Traditional Music Instruments (Santur and Zarb)

Danesh-Seta T, Emami F, Nasr-Esfahani MH, Ghaedi K, Aliomrani M. Bee Venom-Derived BBB Shuttle and its Correlation with Oligodendrocyte Proliferation Markers in Mice Model of Multiple Sclerosis. *Neurotoxicity Research*. 2021 Apr 19:1-8.

Nourian, YH., Behpazho, A., Alimrani, M., Amini, M., Hosseini, R., Mohammadi, S., Ghahremani, MH. Changes in DNA methylation of APOE and CXCR7 (ACKR3) genes in Multiple sclerosis patients and its relationship with serum heavy metals level. *Neurotoxicity Research*. 2021.

Gholami S, Mirian M, Eftekhari SM, Aliomrani M. Apamin administration impact on miR-219 and miR-155-3p expression in cuprizone induced multiple sclerosis model. *Molecular biology reports*. 2020 Nov;47(11):9013-9.

Nahal Shamaeizadeh, Jaleh Varshosaz, Mina Mirian, Aliomran M. Glutathione targeted tragacanthic acid-chitosan polyplex of miR-219 inhibits ApoE, expresses CRYAB and remyelination in cuprizone model of multiple sclerosis. *Experimental Neurology*. 2021 (Under Review).

Safaei HA, Eftekhari SM, Aliomrani M. Analysis of platelet-derived growth factor receptor A and oligodendrocyte transcription factor 2 markers following Hydroxychloroquine administration in animal induced multiple sclerosis model. *Metabolic Brain Disease*. 2021.

Mazloumfard F, Mirian M, Eftekhari SM, Aliomrani M. Hydroxychloroquine effects on miR-155-3p and miR-219 expression changes in animal model of multiple sclerosis. *Metabolic Brain Disease*. 2020 Dec;35(8):1299-307.

Rezaei, M., Sadeghi, M., Aliomrani, M. Evaluation of the effect of *Asparagus Officinalis* fractions on immune system activity in Experimental autoimmune encephalomyelitis model. *Toxicology Research*. 2021 (Under Review).

Fattahi, H., Esmail, N., Aliomrani, M. Apamin as a BBB shuttle and its effects on T cells population during the experimental autoimmune encephalomyelitis induced model of multiple sclerosis. *Neurotoxicity Research*. 2021.

Sepand MR, Aliomrani M, Hasani-Nourian Y, Khalhori MR, Farzaei MH, Sanadgol N. Mechanisms and pathogenesis underlying environmental chemical-induced necroptosis. *Environmental Science and Pollution Research*. 2020 Jul 19:1-4.

Saeidi, S., Khoda Rahmi, GA., Hassan Zadeh, F., Asadi,P., Aliomrani, M. Design and synthesis of new hybrid triazine based derivatives as potential agents for the treatment of Multiple Sclerosis. *Neurological Sciences*. 2021 (Under Review).

Mohammadi-Rad M, Ghasemi N, Aliomrani M. Evaluation of apamin effects on myelination process in C57BL/6 mice model of multiple sclerosis. *Research in pharmaceutical sciences*. 2019 Oct;14(5):424.

Varshosaz, J., Sarrami, N., Aghaei, M., Aliomrani, M. and Azizi, R., 2019. LHRH Targeted Chondrosomes of Mitomycin C in Breast Cancer: An In Vitro/In Vivo Study. *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)*, 19(11), pp.1405-1417.

Paknejad B, Shirkhanloo H, Aliomrani M. Is There Any Relevance Between Serum Heavy Metal Concentration and BBB Leakage in Multiple Sclerosis Patients? *Biological trace element research*. 2018 Oct 27:1-6.

Golmohammadi J, Jahanian-Najafabadi A, Aliomrani M. Chronic Oral Arsenic Exposure and Its Correlation with Serum S100B Concentration. *Biological trace element research*. 2018 Aug 14:1-8.

Khodabandeh Z, Etebari M, Aliomrani M. Study of the probable genotoxic effects of Zolone (Phosalone) exposure in mice bone marrow derived cells. *Genes and Environment*. 2021 Dec;43(1):1-9.

Khodabandeh Z, Etebari M, Aliomrani M. Study of the probable genotoxic effects of Zolone (Phosalone) exposure in mice bone marrow derived cells. *Genes and Environment*. 2021 Dec;43(1):1-9.

Nazari A, Aghaei M, Mirian M, Aliomrani M. 4 Hydroxychalcone effects on cisplatin induced genotoxicity. *Toxicology research*, 2020 Jul 19:4-10

Aliomrani M, Sepand MR, Mirzaei HR, kazemi AR, Nekonam S, Sabzevari O. Effects of phloretin on oxidative and inflammatory reaction in rat model of cecal ligation and puncture induced sepsis. *DARU Journal of Pharmaceutical Sciences*. 2016 May 06;24(1):15.

Aliomrani M, Jafarian A, Zolfaghari B. Cytotoxicity of *Euphorbia bungei* on HeLa and HT29 tumor cells. *Research in Pharmaceutical Sciences*. 2012;7(5):130.

Aliomrani M, Jafarian A, Zolfaghari B. Phytochemical Screening and Cytotoxic Evaluation of *Euphorbia turcomanica* on Hela and HT-29 Tumor Cell Lines. *Advanced Biomedical Research*. 2017;6.

Aliomrani M, Sahraian MA, Shirkhanloo H, Sharifzadeh M, Khoshayand MR, Ghahremani MH. Blood concentrations of cadmium and lead in multiple sclerosis patients from Iran. *Iranian journal of pharmaceutical research: IJPR*. 2016;15(4):825.

Aliomrani M, Sahraian MA, Shirkhanloo H, Sharifzadeh M, Khoshayand MR, Ghahremani MH. Correlation between heavy metal exposure and GSTM1 polymorphism in Iranian multiple sclerosis patients. *Neurological Sciences*. 2017;1-8.

Razavi-Azarkhiavi K, Aliomrani M, Solgi R, Bagheri P, Haji-Noormohammadi M, Amani N, et al. Silymarin alleviates bleomycin-induced pulmonary toxicity and lipid peroxidation in mice. *Pharmaceutical biology*. 2014;52(10):1267-71.

Azami, K., Aliomrani, M. and Mobarake, M.D., 2019. Cadmium separation in human biological samples based on captopril-ionic liquid paste on graphite rod before determination by electrothermal atomic absorption spectrometry. *Analytical Methods in Environmental Chemistry Journal*, 2(04), pp.71-81.

Nazifi, S.M.R., Sadeghi-aliabadi, H., Fassihi, A., Aliomrani, M. and Saghaie, L., 2019. Synthesis and antiproliferative evaluation of some iron chelators as polyamine transporter targeting agents. *Canadian Journal of Chemistry*, 97(8), pp.629-635.

Aliomrani, M., Mesripour, A., Danesh Seta, T. Involvement of mice hippocampus brain-derived neurotrophic factor (BDNF) on diazinon induced depressive-like behavior. 2021 (Under Review).

Aliomrani M, Mesripour A, Sayahpour Z. AChR is partly responsible in mice depressive-like behavior after Phosalone exposure. *Neurotoxicology and Teratology*. 2021 Mar 1;84:106957.

Aliomrani M, Mesripour A, Saleki A. Creatine and alpha-lipoic acid antidepressant-like effect following cyclosporine A administration. *Turkish Journal of Pharmaceutical Sciences*. 2021.

Activities

- 1) Participation in the “15th Seminar of Iranian Pharmacy Student (SIPS2010)” held on October 13-15, 2010, Kerman, Iran. Present a paper in poster session entitled: Structural evaluation of the Pharm.D. Graduated Thesis for 2 consequent years.
- 2) Participation in the “13th Iranian Pharmaceutical Sciences Congress (IPSC2012)” held on September 3-6, 2012, Isfahan, Iran. Present a paper in poster session entitled: Study of correlation between IL6 polymorphism and complications occurred after CABG surgery.
- 3) Contribution to the 14th Iranian congress of Toxicology, 24-26 October 2017, Shiraz, Iran (as a scientific referee)

4) Contribution to the 20th Iranian Pharmacy Students Seminar, 11-14 April 2017, Iran (as a scientific referee)

5) Participation in the “15th Iranian Pharmaceutical Sciences Congress (IPSC2017)” held on 17-19 October 2017, Hamadan, Iran. Present a paper in poster session entitled: effect of phloretin on oxidative and inflammatory reaction in rat model of cecal ligation and puncture induced sepsis.

References

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