

# Curriculum Vitae (CV)

## PERSONAL INFORMATION:

- Name: Mojdeh Mohammadi
- Nationality: Iranian
- Date of Birth: 1 July 1981
- Place of birth: Arak
- Marital Status: Single
- Children: -
- Affiliation: Department of Pharmacology/Toxicology, School of Pharmacy, Hamadan University of Medical Sciences, Hamadan, Iran.
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## EDUCATION:

- PhD of Pharmacology/Toxicology, Tehran University of Medical Sciences, Tehran, Iran, Sep 2010 – March 2016. (PhD thesis was under supervision of Prof. Mohammad Abdollahi and Prof. Mohammad Sharifzadeh).
- Internship course in Brain research center, University of Auckland, New Zealand. Oct 2014-Apr 2015.
- One year MBA in Pharmaceutical care, Tehran University of Medical Sciences, Tehran, Iran, Jul 2015 – Jul 2016.
- Pharm. D, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Feb. 2001-Nov. 2007
- Farzanegan pre-university center, Arak, Iran, 1998-1999
- Farzanegan high school, Arak, Iran, 1995-1998

## PROFESSIONAL STATUS:

- Assistant Professor in Department of Pharmacology/Toxicology, School of Pharmacy, Hamadan University of Medical Sciences, Hamadan, Iran, 10/2016 till now
- Work in pharmacy and DPIC (Drug and Poison Information Center) of 13 Aban pharmacy as a pharmacist, Tehran, Iran, 10/2008-3/2010
- Work in health center as a pharmacist, Arak, Iran, 1/2008-8/2008

## RESEARCH INTERESTS:

- Neurotoxicology
- Neuropharmacology
- Pharmacovigilance and Toxicovigilance
- Alternative simple tests in Toxicology

## PUBLICATIONS

1. Mohammadi M, Khosravi S, Nili-Ahmadabadi A, Kamalabadi M, Ghasemzadeh-Mohammadi V, Afkhami A. Rapid determination of ampyra in urine samples using dispersive liquid-liquid microextraction coupled with ion mobility spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*. 2023 Feb 5;224:115185.
2. Daneshvar A, Jouzdani AF, Firozian F, Asl SS, Mohammadi M, Ranjbar A. Neuroprotective effects of crocin and crocin-loaded niosomes against the paraquat-induced oxidative brain damage in rats. *Open Life Sciences*. 2022 Jan 1;17(1):1174-81.
3. Nili-Ahmadabadi A, Torabi K, Mohammadi M, Heshmati A. Thermally oxidized sunflower oil diet alters leptin/ghrelin balance and lipid profile in rats: Possible role of reactive aldehydes in dyslipidemia. *Journal of Food Biochemistry*. 2022 Nov 15:e14514.
4. Gohari-Piran M, Omidifar N, Mohammadi M, Nili-Ahmadabadi A. Phlebotomy-induced iron deficiency attenuates the pulmonary toxicity of paraquat in mice. *Pesticide Biochemistry and Physiology*. 2022 Nov 4:105278.
5. Mahboobian MM, Dadashzadeh S, Rezaei M, Mohammadi M, Bolourchian N. Simvastatin in ternary solid dispersion formulations: Improved In vitro dissolution and anti-hyperlipidemia efficiency. *Journal of Drug Delivery Science and Technology*. 2022 Aug 1;74:103571.
6. Chavoshi A, Soleimani M, Mohammadi M, Mozafari MR, Mahjub R. Does Encapsulation of Propolis Flavonoids into Poly-Lactide-Co-Glycolide Nanoparticles Enhance Sun Protection Factor of Propolis-Based Sunscreen Formulations?. *JOURNAL OF COSMETIC SCIENCE*. 2022 Jan 1;73(1):35-48.
7. Ataei S, Ghodsipour Z, Keramat F, Derakhshandeh K, Mohammadi Y, Majzoobi MM, Kord M, Mohammadi M, Nili-Ahmadabadi A. Assessing the risk of nephrotoxicity associated with aminoglycosides in brucellosis patients: A cross-sectional study. *Current Drug Safety*. 2022 Jun 8.
8. Makhdoomi S, Ariaifar S, Mirzaei F, Mohammadi M. Aluminum neurotoxicity and autophagy: a mechanistic view. *Neurological Research*. 2022 Oct 8:1-1.
9. Mehrpooya M, Khorami MR, Mohammadi M, Mohammadi Y, Ahmadimoghaddam D. Clinical Pharmacists' Contribution to Medication Reconciliation in Outpatient Specialty Clinics in Iran. *Current Drug Safety*. 2022 Aug 1;17(3):259-68.
10. Mohammadi M, Ariaifar S, Talebi-Ghane E, Afzali S. Comparative efficacy of silibinin and nano-silibinin on lead poisoning in Male Wistar rats. *Toxicology*. 2022 Jun 15;475:153242.
11. Bahrami A, Taheri M, Arabestani MR, Soleimani M, Mohammadi M, Golabchi F, Banitorfi M, Hosseini SM, Khodabandehlou S, Nouri F. Harnessing the Natural Toxic Metabolites in COVID-19. *Evidence-Based Complementary and Alternative Medicine*. 2022 Mar 7;2022.

12. Nazem Z, Firoozian F, Khodabandelou S, Mohammadi M, Mahboobian MM. Systematic Optimization of Solid Lipid Nanoparticles of Silybin for Improved Oral Drug Delivery by Box-Behnken Design: In Vitro and In Vivo Evaluations. *Journal of Pharmaceutical Innovation*. 2022 May 23;1-3.
13. Makhdoomi S, Mahboobian MM, Haddadi R, Komaki A, Mohammadi M. Silibinin-loaded nanostructured lipid carriers (NLCs) ameliorated cognitive deficits and oxidative damages in aluminum chloride-induced neurotoxicity in male mice. *Toxicology*. 2022 Jul 1;477:153260.
14. Azadbakht Z, Sajedi F, Mahboobian MM, Mohammadi M, Ataei S. Analgesic effect of curcumin topical formulation in knee osteoarthritis patients: a clinical trial. *Journal of Basic and Clinical Physiology and Pharmacology*. 2022 Feb 1.
15. Yaryari AM, Mazdeh M, Mohammadi M, Haghi AR, Ghiasian M, Mehrpooya M. Evaluation of serum levels of asprosin and other metabolic profiles in patients with idiopathic tonic-clonic generalized epilepsy on treatment with valproic acid. *European Journal of Clinical Pharmacology*. 2022 Jan 20:1-1.
16. Mohammadi M, Elahimehr Z, Mahboobian MM. Acyclovir-Loaded Nanoemulsions: Preparation, Characterization and Irritancy Studies for Ophthalmic Delivery. *Current Eye Research*. 2021 May 15(just-accepted).
17. Tavakoli M, Mahboobian MM, Noori F, Mohammadi M. Studying the ophthalmic toxicity potential of developed Ketoconazole loaded nanoemulsion in situ gel formulation for ophthalmic administration. *Toxicology Mechanisms and Methods*. 2021 Jun 15(just-accepted):1-27.
18. Samimi M, Mahboobian M, Mohammadi M. Ocular toxicity assessment of nanoemulsion in-situ gel formulation of fluconazole. *Human & Experimental Toxicology*. December 2021:2039-2047.
19. Faraji E, Mohammadi M, Mahboobian MM. Development of the Binary and Ternary Atorvastatin Solid Dispersions: In Vitro and In Vivo Investigations. *BioMed Research International*. 2021 Sep 6;2021.
20. Ahmadi Y, Mahboobian MM, Mohammadi M. Silibinin and Nano-silibinin in Cuprizone Model of Multiple Sclerosis: Behavioral and Biochemical Investigation. *Current Drug Therapy*. 2021 Oct 1;16(5):439-47.
21. Farsani PA, Mahjub R, Mohammadi M, Oliaei SS, Mahboobian MM. Development of Perphenazine-Loaded Solid Lipid Nanoparticles: Statistical Optimization and Cytotoxicity Studies. *BioMed Research International*. 2021 Apr 28;2021.
22. Saghafi Z, Mohammadi M, Mahboobian MM, Derakhshandeh K. Preparation, characterization, and in vivo evaluation of perphenazine-loaded nanostructured lipid carriers for oral bioavailability improvement. *Drug Development and Industrial Pharmacy*. 2021 Mar 4;47(3):509-20.
23. Mahboobian MM, Mohammadi G, Mohammadi M. Thermosensitive Brinzolamide in situ Gel Nanoemulsions, in vitro and ex vivo Evaluation. *Biointerface Research in Applied Chemistry*. 2021;11(1):7754-64.
24. Mohammadi P, Mahjub R, Mohammadi M, Derakhshandeh K, Ghaleiha A, Mahboobian MM. Pharmacokinetics and brain distribution studies of perphenazine-loaded solid lipid nanoparticles. *Drug Development and Industrial Pharmacy*. 2021 Jan 2;47(1):146-52.

25. Farnoud M, Mehrpooya M, Mahboobian MM, Mohammadi Y, Mohammadi M. Evaluation of drug-drug interactions in chronic kidney disease patients: A single-center experience. *Iranian Journal of Pharmaceutical Sciences*. 2021 Oct 1;16(4):81-92.
26. Afra B, Mohammadi M, Soleimani M, Mahjub R. Preparation, statistical optimization, in vitro characterization, and in vivo pharmacological evaluation of solid lipid nanoparticles encapsulating propolis flavonoids: a novel treatment for skin edema. *Drug Development and Industrial Pharmacy*. 2020 Jul 2;46(7):1163-76.
27. Mohammadi M, Rashidizad SA, Lashkari N, Ataei S, Haddadi R, Mahboobian MM. Supplement Therapy in Multiple Sclerosis: A Pharmacological View. *Avicenna Journal of Pharmaceutical Research*. 2020 Jun 23;1(1):37-45.
28. Talaei S, Mahboobian MM, Mohammadi M. Investigating the ocular toxicity potential and therapeutic efficiency of in situ gel nanoemulsion formulations of brinzolamide. *Toxicology Research*. 2020 Jul;9(4):578-87.
29. Mahboobian MM, Mohammadi M, Mansouri Z. Development of thermosensitive in situ gel nanoemulsions for ocular delivery of acyclovir. *Journal of Drug Delivery Science and Technology*. 2020 Feb 1;55:101400.
30. Ariaifar S, Oftadeh Harsin A, Fadaei A, Mahboobian MM, Mohammadi M. Toxicity effects of mycotoxins and autophagy: a mechanistic view. *Toxin Reviews*. 2020 Jan 10:1-1.
31. Ataei S, Ardalani K, Mehrpooya M, Mohammadi M. Evaluation of potential drug-drug interactions in patients with hematologic malignancies at a referral hematology–oncology hospital: A single-center experience. *Journal of Reports in Pharmaceutical Sciences*. 2019 May 1;8(2):284.
32. Mansour-Ghanaei F, Pourmasoumi M, Hadi A, Ramezani-Jolfaie N, Joukar F. The efficacy of vitamin D supplementation against nonalcoholic fatty liver disease: a meta-analysis. *Journal of Dietary Supplements*. 2020 Jul 3;17(4):467-85.
33. Ataei S, Abaspanah S, Haddadi R, Mohammadi M, & Nili-Ahmadabadi A. Therapeutic Potential of Dihydropyridine Calcium Channel Blockers on Oxidative Injury Caused by Organophosphates in Cortex and Cerebellum: An In Vivo Study. *Indian Journal of Clinical Biochemistry*. 2019 in press; 1-8.
34. Khodayar B, Farzaei MH, Abdolghaffari AH, Bahramsoltani R, Baeeri M, Sabbagh Ziarani F, Mohammadi M, Rahimi R, Abdollahi M. The Protective Effect of the Gallic Acid Against TNBS-induced Ulcerative Colitis in Rats: Role of Inflammatory Parameters. *Journal of Iranian Medical Council*. 2018 Jul 1;1(1):34-42.
35. Ghadermazi R, Khoshjou F, Hossini Zijoud SM, Behrooj H, Kheiripour N, Ganji M, Moridi H, Mohammadi M, Ranjbar A. Hepatoprotective effect of tempol on oxidative toxic stress in STZ-induced diabetic rats. *Toxin reviews*. 2018 Jan 2;37(1):82-6.
36. Yang P, Min XL, Mohammadi M, Turner C, Faull R, et al. Endothelial Degeneration of Parkinson's Disease is Related to Alpha-Synuclein Aggregation. *J Alzheimers Dis Parkinsonism*. 2017; 7: 370.
37. Mohammadi M, Guan J, Khodaghali F, Yans A, Khalaj S, Gholami M, Taghizadeh GH, Aliaghaei A, Abdollahi M, Ghahremani MH, Sharifzadeh M. Reduction of autophagy markers mediated protective effects of JNK inhibitor and bucladesine on memory deficit induced by A $\beta$  in rats. *Naunyn Schmiedebergs Arch Pharmacol*. 2016 May;389(5):501-10.
38. Najafi S, Payandemehr B, Tabrizian K, Shariatpanahi M, Nassireslami E, Azami K, Mohammadi M, Asadi F, Roghani A, Sharifzadeh M. The role of nitric oxide in the PKA

inhibitor induced spatial memory deficits in rat: involvement of choline acetyltransferase. Eur J Pharmacol. 2013 Aug 15;714(1-3):478-85.

39. Nassireslami E, Nikbin P, Payandemehr B, Amini E, Mohammadi M, Vakilzadeh G, Ghadiri T, Noorbakhsh F, Sharifzadeh M. A cAMP analog reverses contextual and tone memory deficits induced by a PKA inhibitor in Pavlovian fear conditioning. Pharmacol Biochem Behav. 2013 Apr;105:177-82.
40. Mohammadi M, Atashpour S, Pourkhalili N, Nili- Ahmadabadi A, Baeri M, Mohammadirad A, Hassani S, Nikfar S, Abdollahi M. Comparative Improvement in Function of Isolated Rat Langerhans Islets by Various Phosphodiesterase 3, 4 and 5 Inhibitors. Iranian Journal of Reproductive Medicine 2011; 12(6): 1233-1240.
41. Fakharian A, Fahimi F, Salamzadeh J, Mohammadi M, Masjedi MR. Spirometric improvements with two commonly used spacers in asthmatic patients. TANAFFOS 2008; 7(3): 37-40.

## BOOKS

- Analysis and Interpretation of Prescriptions 1 & 2 (Persian)
- A comprehensive guide to analysis and interpretation of prescriptions (Persian)
- Principals of counseling and training of patients (Persian)
- Marine antioxidants, Chapter 10 Marine antioxidants from microalgae (English)

## HONORS

- 3<sup>rd</sup> Place Position in 25<sup>th</sup> Toxicology Ph.D Exam.
- Selected pharmacist of the province (2020)
- Premier educational professor of Hamadan University of Medical Sciences (2021)

## CONGRESS PERESENTATIONS

- 21<sup>st</sup> Iranian Pharmacy Student Seminar, Ahvaz, Iran, 6<sup>th</sup>-9<sup>th</sup> March 2018
- 15<sup>th</sup> Iranian association of Pharmaceutical sciences, Hamadan, Iran, 17<sup>th</sup>-19<sup>th</sup> October 2017
- 21<sup>st</sup> International Medical Student Congress, Istanbul, Turkey, 9<sup>th</sup>-11<sup>th</sup> May 2008.
- 11<sup>th</sup> Iranian Pharmaceutical Students Seminar, Shiraz, Iran, 9<sup>th</sup>-11<sup>th</sup> November 2005.

## PATENT

- Nano-silymarin tablet formulation and evaluation for Multiple Sclerosis
- Nano-silibinin for Alzheimer's disease