

Curriculum Vitae



Personal Information

Name: Neda Mohamadi

Address: Pharmaceutical research center, Kerman University of Medical Science, Kerman, Iran.

Cell Phone: 00989131965575

Date of Birth: 15 July 1979

Place of Birth: Kerman

Citizenship: Iranian

Sex: Female

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Educations

PhD by research of Pharmaceutics, Kerman University of Medical Science, Kerman, Iran

Master's Degree of Plant physiology. Kharazmi University, Tehran, Iran

Bachelor's Degree Plant Biology. Shahid Bahonar University, Kerman, Iran

Title of My Research Thesis/Dissertations

Level	Title of Thesis/Dissertation
MSc	The effect of nitrate and ammonium concentrations on some physiological and biochemical parameters and secondary metabolites of <i>Hyoscyamus pusillus</i> L.
PhD	Simultaneous determination of trigonelline and diosgenin and pharmacokinetic study of trigonelline in healthy volunteers after oral administration of dried ethanolic extract of fenugreek seed (<i>Trigonella foenum graecum</i> L.) and trigonelline

Technical skills

Experience and skills in HPLC, GC and UV spectroscopy

Experience in extraction of natural products.

Experience of work with in vivo bioassays, for pharmacokinetic assay.

Experience and skills in Statistical software such as SPSS and Experimental design.

Research interest

Phytochemical analysis

Phyto pharmacokinetic

Pharmacologic Activities of Medicinal Plants

Separation of Natural Products

Drug Nanotechnology

Papers in Journals

1. Ashrafizadeh, M; Ahmadi, Z; **Mohamadi, N**; Zarrabi, A; Abasi, S; Dehghannoudeh, G; Rosette N; Khanbabaei, H; Mohammadinejad, R; Kumar Thakur,. 2020. Chitosan-based advanced materials for docetaxel and paclitaxel delivery: Recent advances and future directions in cancer theranostics. International Journal of Biological Macromolecules. In Press.
2. **Mohamadi, N**, Sharififar, F; Ansari, M; Pournamdari, M; Rezaei, M; Hassanabadi, M. Pharmacokinetic profile of diosgenin and trigonelline following intravenous and oral administration of fenugreek seed extract and pure compound in rabbit. Asian journal of natural product research, In press.
3. **Mohamadi, N**, Sharififar, F; Ansari, M; Pournamdari. A Pilot, First-In-Human, Pharmacokinetic Study of Trigonelline in Healthy Adult Male Volunteers. Under review.
4. **Mohamadi, N**, Ashrafizadehb, Ahmadi, Z; Ghasemipour Afshard, E; Sharifi, F; Mohammadinejada, R. Ginsenosides for brain tumors therapy: Recent advances and future perspective. Journal of herbal medicine. Under review
5. Doostmohammadi, M; **Mohamadi, N**; Ameri, A; Forootanfar, H; Sharififar, F. Formulation and characterization of PVA/chitin/alginate hydrogel

containing *Trigonella foenum-graecum* L. seed extract for sustain release in colorectal cancer. Under review

6. **Mohamadi, N.**; Pournamdari, M; Sharififar, F; Ansari, M. Simultaneous spectrophotometric determination of trigonelline, diosgenin and nicotinic acid in dosage forms prepared from fenugreek seed extract. Iranian journal of pharmaceutical research. In Press.
7. Ansari, M; Sadeghi, P; Asadi,A; **Mohamadi, N.** Mahdavi, H; Fattahi-Dolatabad, M; Sharififar, F. Fenugreek dermal patch, a new natural topical antinociceptive medication for relieving the postherniotomy pain. 2019. Journal of Complementary and Integrative Medicine. 2(5):1-8.
8. **Mohamadi, N.**, Sharififar, F., Pournamdari, M., Ansari, M. A Review on Biosynthesis, Analytical Techniques, and Pharmacological Activities of Trigonelline as a Plant Alkaloid. 2018; Journal of Dietary Supplements.15(2), pp. 207-222
9. Soltanian, S., Sheikhbahaei, M., **Mohamadi, N.** Cytotoxicity evaluation of methanol extracts of some medicinal plants on P19 embryonal carcinoma cells.2017. Journal of Applied Pharmaceutical Science. 7(7), pp. 142-149
10. **Mohamadi, N.**, Rajaei, P., Moradalizadeh, M., Amiri, M.S. Essential oil composition and antioxidant activity of *Levisticum officinale* Koch. at Various phenological stages.2017. Journal of Medicinal Plants.16(61), pp. 45-55.
11. **Mohamadi, N.**, Baghizadeh, A., Saadatmand, S., Asrar, Z. Alleviation of oxidative stress induced by drought stress through priming by β -aminobutyric acid (BABA) in rapeseed (*Brassica napus* L.) plants.2017. Journal of Pharmacy and Pharmacognosy Research. 5(5), pp. 270-277.
12. **Mohamadi, N.**, Rajaei, P. Effects of Different Ecological Condition on the Quality and Quantity of Essential Oils of *Artemisia persica* Boiss. Populations from Kerman, Iran.2016. Journal of Essential Oil-Bearing Plants. 19(1), pp. 200-207
13. **Mohamadi, N.**, Sharififar, F., Koohpayeh, A., Daneshpajouh, M. Traditional and Ethnobotanical uses of medicinal plants by ancient populations in Khabr and Rouchon of Iran.2015. Journal of Applied Pharmaceutical Science. 5(11), pp. 101-107.

14. Rajaei, P., **Mohamadi, N.** Ethnobotanical study of medicinal plants of hezar mountain allocated in south east of Iran. 2012. Iranian Journal of Pharmaceutical Research. 11(4), pp. 1153-1167.
15. Soltanian, S; **Mohamadi, N** ; Rajaei, P; khodami, M; Mohammadi, M. Phytochemical composition, and cytotoxic, antioxidant, and antibacterial activity of the essential oil and methanol extract of *Semenovia suffruticosa*. Avicenna journal of phytomedicine. In press.
16. **Mohamadi, N;** Rajaie, P. Effects of aqueous eucalyptus (*E. camadulensis* Labill) extracts on seed germination, seedling growth and physiological responses of *Phaseolus vulgaris* and *Sorghum bicolor*. 2009. Research Journal of Biological Sciences 4 (12), 1292-1296
17. **Mohamadi, N,** Rajaie, P. Effect of Triamdefon fungicide on some growth parameters and antioxidant enzymes activity in tomato (*Lycopersicon esculentum* Mill.) plant under drought stress. 2013. International journal of Advanced Biological and Biomedical Research 1 (4):341-350.
18. Sharifian, Z; Maghsoudi Mood, AA; **Mohamadi, N.** Effect of different ratios of municipal solid waste compost on growth parameters and yield of Marigold (*Calendula officinalis* Moench.) and Daisy (*Bellis Perennis* L.). 2014. International journal of Advanced Biological and Biomedical Research 2(1):43-50.
19. Yazdanpanah, L; **Mohamadi, N.** Antifungal activity of *Satureja hortensis* L. essential oil against *Alternaria citri*. 2014. European Journal of Experimental Biology. 4(1);399-403.
20. Fooladi, S; Ansari, M; Sharififar, F; Pournourmohammadi, S; Lame Rad, B; **Mohamadi, N.** Effect of *Salvia rhytidea* Benth. extract on serum glucose, gut α -glucosidase in healthy and streptozotocin-induced diabetic rats. Journal of Ayurvedic and Herbal Medicine, 2(2):40-42.
21. Sharififar, F, Moshafi, M.H, Assadipour, A, Azampour, M.J, Nematollahi M.H, Assadi-Khanuki, A, **Mohamadi, N.** In vitro evaluation of anticholinesterase, antioxidant and antibacterial activity of different fractions of *Zataria multiflora* Boiss. International Journal of Biosciences, 2015. 6(3): 287-295