

CURRICULUM VITAE

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Education:

Tehran University of Medical Sciences, Tehran, Iran.

Ph.D. in Traditional Pharmacy (Ethnopharmacy), November 2015.

Mashhad University of Medical Sciences, Mashhad, Iran.

Professional doctorate in pharmacy, May 2008.

Work experience:

Babol University of Medical Sciences, Expert in Pharmaceutical Affairs,
(September 2008-October 2010)

Babol University of Medical Sciences, Faculty of Traditional Medicine,
Assistant professor (2016-2022)

Babol University of Medical Sciences, Faculty of Traditional Medicine, Deputy
of research (2016-2022)

**Babol University of Medical Sciences, Traditional medicine and History of
medical sciences research centre**, health research institute, Member of the
Research Council (2016-2022)

**Ministry of Health and Medical Education, Specialized Committee on
Traditional Pharmacy**, Member of the committee (from 2018)

Health Research Institute of Babol University of Medical Sciences, Member of
Research Council (2020-2021)

Specialized pharmaceutical experience:

Quality assurance manager in Emad Darman Pars Pharmaceutical Company (2011-2015)

Quality assurance representative of Pajooresh Atrak Mehrdaroo Company (from 2019)

Publications:

1. Bazzaz, BS, **Memariani Z**, Khashiarmanesh Z, Iranshahi M, and Naderinasab M. "Effect of galbanic acid, a sesquiterpene coumarin from *Ferula szowitsiana*, as an inhibitor of efflux mechanism in resistant clinical isolates of *Staphylococcus aureus*." Brazilian Journal of Microbiology 41, no. 3 (2010): 574-580.
2. Abbasiyan L, Abbasi M, Goshky S, **Memariani Z**. Spiritual health status of science and its role in disease prevention: a pilot study. J Medical Ethics. 2010;4(14):83-104.
3. Bozorgi M, **Memariani Z**, Mobli M, Salehi Surmaghi M, Shams-Ardekani M, and Rahimi R, "Five Pistacia species (*P. vera*, *P. atlantica*, *P. terebinthus*, *P. khinjuk*, and *P. lentiscus*): A Review of Their Traditional Uses, Phytochemistry, and Pharmacology," The Scientific World Journal, vol. 2013, Article ID 219815, 2013.
4. **Memariani, Z.**, Amin, G., Moghaddam, G., & Hajimahmoodi, M. Comparative analysis of phenolic compounds in two samples of *Rosa damascena* by HPLC. International Journal of Biosciences (IJB), 2015; 7(1), 112-118.
5. Mansouri P, Khademi A, Pahlevan D, **Memariani Z**, Aliasl J, Shibeigy L. Review of Medicinal Remedies on Hand Eczema Based on Iranian Traditional Medicine: A Narrative Review Article. Iranian Journal of Public Health, 2016; 45(8), 986-996.
6. Gholami M, Ghasemi-Niri SF, Maqbool F, Baeri M, **Memariani Z**, Pousti I, Abdollahi M. Experimental and Pathological study of *Pistacia atlantica*, butyrate, Lactobacillus casei and their combination on rat ulcerative colitis model. Pathology-Research and Practice. 2016 Jun 30;212(6):500-8.
7. Abbasian L, Abbasi M, Gooshki ES, **Memariani Z**. Survey on the Scientific Position of the Spiritual Health and its Role in Preventing from Diseases: A preliminary Study. Medical Ethics Journal. 2016 Jun 16;5(14):83-104.
8. **Memariani Z**, Sharifzadeh M, Bozorgi M, Hajimahmoodi M, Farzaei MH, Gholami M, Siavoshi F, Saniee P. Protective effect of essential oil of *Pistacia atlantica* Desf.

- On peptic ulcer: role of α -pinene. *Journal of Traditional Chinese Medicine*. **2017** Feb 15;37(1):57-63.
9. **Memariani Z**, Hajimahmoodi M, Minaee B, Khodaghohi F, Yans A, Rahimi R, Amin G, Moghaddam G, Toliyat T, Sharifzadeh M. Protective effect of a polyherbal traditional formula consisting of *Rosa damascena* Mill., *Glycyrrhiza glabra* L. and *Nardostachys jatamansi* DC., against ethanol-induced gastric ulcer. *Iranian journal of pharmaceutical research: IJPR*. **2017**;16(2):694.
 10. Moeini R, **Memariani Z**, Pasalar P, Gorji N. Historical root of precision medicine: an ancient concept concordant with the modern pharmacotherapy. *DARU Journal of Pharmaceutical Sciences*. **2017** Apr 4;25(1):7.
 11. Davoodi I, Rahimi R, Abdollahi M, Farzaei F, Farzaei MH, **Memariani Z**, Najafi F. Promising effect of *Rosa damascena* extract on high-fat diet-induced nonalcoholic fatty liver. *Journal of Traditional and Complementary Medicine*. **2017** Feb 13.
 12. Kolangi F, **Memariani Z**, Gorji N, Mozaffarpur SA, Moeini R, Saghebi R, Mojahedi M. Herbs from Iranian Traditional Medicine for Reinforcement of Kidney and Prevention of Renal Atrophy. *Journal of Medicinal Plants*. **2017** Nov 15;4(64):21-31.
 13. **Memariani Z**, Moeini R, Hamedei SS, Gorji N, Mozaffarpur SA. Medicinal plants with antithrombotic property in Persian medicine: a mechanistic review. *Journal of Thrombosis and Thrombolysis*. **2017** Nov 9:1-22.
 14. Gorji N, Moeini R, **Memariani Z**. Almond, hazelnut and walnut, three nuts for neuroprotection in Alzheimer's disease: a neuropharmacological review of their bioactive constituents. *Pharmacological Research*. **2017** Dec 5.
 15. Abedi F, Rajabnia R, Sorkhi H, **Memariani Z**, Shirafkan H, Mozaffarpur S. Comparison of Aqueous and Hydroalcoholic Extracts of *Foeniculum Vulgare* and *Carum Copticum* with Gentamicin on Escherichia Coli Strains: in Vitro Study. *Journal of Babol University of Medical Sciences*. **2018**;2(20).
 16. Gorji N, Naeimi M, Moeini R, **Memariani Z**, Kolangi F. An Approach to Hair Loss and its Management in Persian Medicine. *Traditional and Integrative Medicine*. **2018**;3(3):127-37.

17. Kolangi F, Shafi H, **Memariani Z**, Kamalinejad M, Naeimi M, Mozaffarpur SA. Improvement in Semen Quality and Occurrence of Pregnancy Treated with an Herbal Medication: a Case Report. *Traditional and Integrative Medicine*. **2019** Sep 24.
18. **Memariani Z**, Rahimi A, Farzaei MH, Nejad NZ. *Nepeta menthoides* Boiss. & Buhse, an endemic species in Iran: A review of traditional uses, phytochemistry and pharmacology. *Journal of Herbmед Pharmacology*. **2019** Jul;8(3).
19. Naeimi M, Kianifar H, **Memariani Z**, Kamalinejad M, Bijani A, Saghebi R, Gorji N. Comparison of the Efficacy of Ranitidine and Quince Syrup on Gastroesophageal Reflux Disease in Children. *Complementary Therapies in Medicine*. **2019** Jun 17.
20. Feng X, Sureda A, Jafari S, **Memariani Z**, Tewari D, Annunziata G, et al. Berberine in Cardiovascular and Metabolic Diseases: From Mechanisms to Therapeutics. *Theranostics*. **2019**;9(7):1923.
21. Kolangi F, Shafi H, **Memariani Z**, Kamalinejad M, Bioos S, Jorsaraei SGA, et al. Effect of *Alpinia officinarum* Hance rhizome extract on spermatogram factors in men with idiopathic infertility: A prospective double-blinded randomised clinical trial. *Andrologia*. **2019**;51(1):e13172.
22. Moeini R, **Memariani Z**, Asadi F, Bozorgi M, Gorji N. *Pistacia* Genus as a Potential Source of Neuroprotective Natural Products. *Planta medica*. **2019** Oct 11.
23. Zakeri S, Gorji N, Moeini R, **Memariani Z**. Therapeutic Application of *Achillea millefolium* L. in Female Reproductive Diseases from the Viewpoint of Persian Medicine and Current Medicine. *Journal of Medicinal Plants*. **2019** Nov 10;2(72):107-21.
24. Naeimi M, Gorji N, **Memariani Z**, Moeini R, Kamalinejad M, Kolangi F. Gastroprotective herbs for headache management in Persian medicine: a comprehensive review. *Journal of Integrative Medicine*. **2019** Nov 23.
25. Gholipur MA, Gorji N, Moeini R, **Memariani Z**. An application of nasal drug delivery for management of head and neck diseases from the perspective of Persian Medicine. *Medical History Journal*. **2019** May 1;11(40):89-105.
26. Mirzapour M, Mojahedi M, Shokri J, Khafri S, **Memariani Z**. Treatment of Patients with Refractory Functional Dyspepsia Using *Nardostachys jatamansi* (D.

- Don) DC. Hydroalcoholic Extract: A Case Series. *Traditional and Integrative Medicine*. **2019** Dec 28.
27. Kamaneh SA, Mojahedi M, Mozafari O, **Memariani Z**, Saravani M. Cardiotoxic Medicines (Mofarreh) and Their Mechanism of Action in Persian Medicine. *Journal of Babol University of Medical Sciences*. **2019** Dec 10;21(1):320-30.
28. Mozaffarpur SA, Naseri M, Kamalinejad M, Shams MA, **Memariani Z**, Moeini R, Gorji N, Moradi Farahani A, Shirafkan H. Nine Steps to Discover New Medicines from Traditional Sources: The Example of Persian Medicine. *The Journal of Alternative and Complementary Medicine*. **2020** Jan 10.
29. Momtaz, S., **Memariani, Z.**, F El-Senduny, F., Sanadgol, N., Fereshteh Golab, F.G., Katebi, M., Abdolghaffari, A.H., Farzaei, M.H. and Abdollahi, M., **2020**. Targeting ubiquitin-proteasome pathway by natural products: Novel therapeutic strategy for treatment of neurodegenerative diseases. *Frontiers in Physiology*, *11*, p.361.
30. Saberi Z, Gorji N, **Memariani Z**, Moeini R, Shirafkan H, Amiri M. Evaluation of the effect of *Silybum marianum* extract on menopausal symptoms: A randomized, double-blind placebo-controlled trial. *Phytotherapy Research*. **2020** Aug 6.
31. Zakeri S, Esmailzadeh S, Gorji N, **Memariani Z**, Moeini R, Bijani A. The Effect of *Achillea Millefolium* L. on Vulvovaginal Candidiasis Compared with Clotrimazole: A Randomized Controlled Trial. *Complementary Therapies in Medicine*. **2020** Jun 10:102483.
32. **Memariani Z**, Abbas SQ, ul Hassan SS, Ahmadi A, Chabra A. Naringin and naringenin as anticancer agents and adjuvants in cancer combination therapy; efficacy and molecular mechanisms of action, a comprehensive narrative review. *Pharmacological Research*. **2020** Nov 6:105264.
33. Farahani AM, Aryanian Z, **Memariani Z**, Mozaffarpur SA, Shirafkan H. A Comparison of the effect of topical preparation of *sambucus ebulus* L. and Hydrocortisone on hand eczema: a double-blind randomized controlled trial. *The Journal of Alternative and Complementary Medicine*. **2021** Apr 1;27(4):323-30.
34. Rahimi A, Asadi F, Rezghi M, Kazemi S, Soorani F, **Memariani Z**. Natural products against cisplatin-induced male reproductive toxicity: A comprehensive review. *Journal of Biochemical and Molecular Toxicology*. **2021** Nov 24:e22970.

35. Rezghi M, Farahani AM, Asadi F, Mitra S, Dash R, Mozaffarpour SA, **Memariani Z**. Application of Natural Products in Radiotherapy-Induced Dermatitis: A Comprehensive Review. *Traditional and Integrative Medicine*. **2021** Sep 19.
36. Kazemi S, Asadi F, Barari L, Morakabati P, Jahani M, Kani SN, Soorani F, Kolangi F, **Memariani Z**. Quantification of Flavonoids in *Alpinia officinarum* Hance. via HPLC and Evaluation of its Cytotoxicity on Human Prostate Carcinoma (LNCaP) and Breast Carcinoma (MCF-7) Cells. *Anti-cancer Agents in Medicinal Chemistry*. **2021** Jul 6.
37. Nozhat Z, Heydarzadeh S, **Memariani Z**, Ahmadi A. Chemoprotective and chemosensitizing effects of apigenin on cancer therapy. *Cancer Cell International*. **2021** Dec;21(1):1-26.
38. Kerdarian H, Hassan S, Mozaffarpur SA, Shirafkan H, **Memariani Z**. Effects of a Traditional Rose-Based Polyherbal Formula on Clinical Symptoms of Patients with Functional Dyspepsia: A Double-Blind Randomized Controlled Trial. *Traditional and Integrative Medicine*. **2022** Mar 9.
39. Sepehr F, Shirafkan H, Behzad K, **Memariani Z**, Mozaffarpur SA. The effect of *Cassia fistula* L. syrup in geriatrics constipation in comparison with the Lactulose: A Randomized Clinical Trial. *Journal of Ethnopharmacology*

Book translation and edition:

1. AbdulHameed H. *The Complete Book of Home Remedies*. Translated by: Mahbubeh Bozorgi, **Zahra Memariani**, Masumeh Mobli, Tehran: Almaeei; **2013** (In Persian)
2. Hakim Yousefi. *Riyaz al-Adviyye*. Edited by Mobli M, **Memariani Z**, ...,Bozorgi M, Farzaei MH. Zaeem, Tehran; **2014** (In Persian)

Book chapters:

3. **Zahra Memariani**, Mohammad Hosein Farzaei, Ahmad Ali, Saeedeh Momtaz, Chapter Seven - Nutritional and bioactive characterization of unexplored food rich in phytonutrients, Editor(s): Seyed Mohammad Nabavi, Ipek Suntar, Davide Barreca,

- Haroon Khan, Phytonutrients in Food, Woodhead Publishing, **2020**, Pages 157-175, ISBN 9780128153543, <https://doi.org/10.1016/B978-0-12-815354-3.00001-0>.
4. **Zahra Memariani**, Narjes Gorji, Reihaneh Moeini, Mohammad Hosein Farzaei, Chapter Two - Traditional uses, Editor(s): Seyed Mohammad Nabavi, Ipek Suntar, Davide Barreca, Haroon Khan, Phytonutrients in Food, Woodhead Publishing, **2020**, Pages 23-66, ISBN 9780128153543, <https://doi.org/10.1016/B978-0-12-815354-3.00004-6>.
 5. Chahardoli A, Jalilian F, **Memariani Z**, Farzaei MH, Shokoohinia Y. Analysis of organic acids. Recent Advances in Natural Products Analysis 2020 Jan 1 (pp. 767-823). Elsevier. <https://doi.org/10.1016/B978-0-12-816455-6.00026-3>.
 6. Herbs for Alzheimer's disease management; clinical studies: A narrative; Narjes Gorji, Reihaneh Moeini, and Zahra Memariani Elsevier; 2022, in press.
 7. Herbs for Alzheimer's disease management—Preclinical studies: A narrative Narjes Gorji, Reihaneh Moeini, and Zahra Memariani, Elsevier; 2022, in press.

Seminar and congress:

1. Hamed, S; **Memariani, Z**; Mobli, M; Bozorgi, M., Popular medicinal plants in Iran for the treatment of GI disorders, *Planta. Med.*, **2011**; 77 - PF40. *GA 2011*.
2. **Zahra Memariani**, "A review of drugs for treating vitiligo in the book of Hedayat al-Mota'lmīn fi al-ta'b and modern medicine", the 3rd seminar on Islamic and Iranian medicine, Shiraz, March **2011**.
3. **Zahra Memariani**, Shokouh sadat Hamed, Mahboubeh Bozorgi, Masoumeh Mobli, Therapeutic Effects of Higher Fungi in Traditional Medicine and Modern Studies, International Congress on Medicinal Plants, 16-17 May **2012**, Kish Island, Iran.
4. **Memariani Z.**, Hamed Sh., Bozorgi M., Mobli M., Traditional herbal formula containing *Coriandrum sativum* L. and *Rhus coriaria* L. for Stress Induced Heartburn and Headache associated with gastric disorders, 13th Congress of the *International Society for Ethnopharmacology*, 3-6 September **2012**, Graz, Austria.

5. Reihaneh Moeini, Narjes Gorji, **Zahra Memariani**, Ali MS. Herbal remedies for hypoactive sexual desire based on Persian medicine. Reviews of clinical pharmacology and drug therapy. **2017**; 15 (Special Issue), 21st International Congress. "*Phytopharm 2017*". July 2 - 5, 2017. Graz, Austria.
6. **Zahra Memariani**, Narjes Gorji, Reihaneh Moeini, Sohrab Kazemi. Quality control and investigation of mastic adulteration in Iranian herbal store. Reviews of clinical pharmacology and drug therapy. **2017**; 15 (Special Issue). 21st International Congress. "*Phytopharm 2017*". July 2 - 5, 2017. Graz, Austria.
7. **Zahra Memariani**, Mohammad Sharifzadeh, Mannan Hijimahmoodi, Bagher Minaiee. Pharmacological and histological properties of *Nardostachys jatamansi* hydroalcoholic extract on ethanol induced gastric ulcer in rats. *4th National Congress in Medicinal Plants*. 12-13 May **2015**, Tehran, Iran.
8. Fatemeh Kolangi, mohammad reza Asadollahi, **Zahra Memariani**, review of the herbal remedies in traditional Persian medicine for the rectum prolapse treatment. 2th Tabari national student congress, Sari, Iran 98.
9. Ensieh Ravanbakhsh, **Zahra Memariani**, review of the material medica in Persian traditional medicine for acne scar, 2th national congress of medicinal plants and complementary medicine, Sabzevar, Iran, Azar 97.
10. Kolangi F, Moeini R, Gorji N, **Memariani Z**. Nephrotonic and nephroprotective herbs from Persian medicine and evidences in new researches. ICCMR 2019, Advances in Integrative Medicine. **2019** May 1;6:S108-9.
11. Gholipur MA, Gorji N, Moeini R, **Memariani Z**. An application of nasal drug delivery for management of head and neck diseases from the perspective of Persian Medicine. ICCMR 2019, Advances in Integrative Medicine. **2019** May 1;6:S64.
12. Niloofar Zakarianejad, Hosein Moradi, Pooria Biparva, **Zahra Memariani**. Influence of ecological factors on some morphological characteristics and photosynthetic pigment of sweet violet (*viola odorata* L.). 2nd International and 6th National Iranian Congress on Organic vs. Conventional Agriculture - August **2019**

13. Rahimi, A., Feizi, F., Soorani, F., Ghorbani, D., Sheikhzadeh, M., Kolangi, F. and **Memariani, Z.**, 2021. Evaluation of the renal toxicity potential of sub-acute exposure to the aqueous extract of *Alpinia officinarum* Hance. rhizome in rats. *Planta Medica*, 87(15), pp.PC8-40. **GA (2021)**.

Grants:

Ministry of Health Research Grant (2019)

Awards:

Selected Professor of Shahid Motahari Festival, Babol University of Medical Sciences (2021)

Top educator of the National Iranian Traditional Medicine Festival (2021)

Professional membership:

Iranian Scientific Society of Traditional Medicine

Society for Medicinal Plant and Natural Product Research (GA)