



Curriculum Vitae

Personal Information:

First name: Somayeh

Last name: Shahani

Language: Persian- English

Academic rank: Associate Professor

Date & place of birth: 13/09/1981-Iran

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Education:

- Pharm.D. (2000-2006), Faculty of Pharmacy, Mazandaran University of Medical Sciences, Sari, Iran.
- Ph.D. of Pharmacognosy (2006-2011), Department of Pharmacognosy, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

Position:

2022-present: Associate professor of Pharmacognosy, Faculty of pharmacy, Mazandaran University of Medical Sciences, Sari, Iran.

2021-present: Head of Medicinal Plants Research Center, Mazandaran University of Medical Sciences, Sari, Iran.

2012-2022: Assistant professor of Pharmacognosy, Faculty of pharmacy, Mazandaran University of Medical Sciences, Sari, Iran.

2012-2018: Head of Department of Pharmacognosy, Faculty of pharmacy, Mazandaran University of Medical Sciences, Sari, Iran.

Teaching:

- Pharmacognosy
- Phytotherapy
- Phytochemistry
- Instrumental Analytical Methods

Research Interests:

- Phytochemical analysis and pharmacological studies of medicinal plants (especially the Brassicaceae family)
- Marine natural products

Seminars and Presentation:

- Shahani S., Khanavi M., Samadi N., Akbarzadeh H., Essential oil analysis and antibacterial activity of *Ferula assafoetida*. 12th Iranian Pharmaceutical Sciences Congress (IPSC 2010) held on 2-5 August 2010 in Zanjan, Iran.
- Shahani S., Monsef-Esfahani HR., Hajiaghache R., Gohari A., Chemical composition of essential oil and hydrolat of *Geum iranicum*. 58th International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research and 7th Tannin Conference (presymposium), 29th August- 2nd September 2010, Berlin, Germany.
- Parvareh Atefeh, Shokrzadeh Mohammad, Shahani Somayeh, Habibi Emran. Cytotoxic effects of *Lagenaria sinceraria* hydroalcoholic extract on cancer cell lines, 13th Iranian Pharmaceutical Sciences Congress (IPSC 2012), 3-6 September 2012, Isfahan, Iran.

- Reyhaneh Akhavan-Fard, Hamid Reza Monsef-Esfahani, Somayeh Shahani, Ahmad Reza Gohari, Two new Dammarane type terpenoids from *Geum heterocarpum*, 2nd National Congress on Medicinal Plants, 15-16 May 2013, Tehran, Iran.
- Shahani S., Karami M., Nosrati A., Asghari H., Protective effects of *Nasturtium officinale* extracts against genetic damage induced by cyclophosphamide in mice bone marrow cells, 63rd International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 23-27 Aug 2015, Budapest, Hungary.
- Behzadfar F, Shaki F, Shahani S. Protective effect of the hydroalcoholic extract of *Nasturtium officinale* against Gentamicin-induced nephrotoxicity in rats. 14th Iranian Pharmaceutical Sciences Congress (IPSC2015), 21-24 December, Tehran, Iran.
- Shahani S., Salehi M, Khoshsirat N, Akbari J. Evaluation of the effect of mouthwash containing black mulberry (*Morus nigra* L.) fruit juice for treatment of gingivitis. First Iranian Pharmacognosy Congress, November 29-30, 2017, Tehran, Iran.
- Eghbali M, Shahani S., Saeedi M, Asadollahi S. Preparation of 1% gel of *Nasturtium Officinale* extract and evaluation of its characteristics. 22nd Iranian Pharmacy Students Seminar. April 18-19, 2019, Zanjan, Iran.
- Paria Fadaee Heidarabadi, Mojgan Moafi, Somayeh Shahani, Maryam Moazeni, Hamid Reza Goli, Fatemeh Mirzaee. Antibacterial and Antifungal Activities of the Methanol Extract of *Danae racemosa* (L.) Moench. 16th Iranian Pharmaceutical Sciences Congress (IPSC2019), November 6-8, 2019, Kermanshah, Iran.

Publications:

- Morteza-Semnani K., Saeedi M., Shahani S., 2006. Antioxidant activity of the methanolic extracts of some species of *Phlomis* and *Stachys* on sunflower oil. *African Journal of Biotechnology*, 5 (24): 2428-2432.
- Shahani S., Monsef-Esfahani HR., Hajiaghaee R., Gohari A., 2011. Chemical composition of essential oil and hydrolat of *Geum iranicum*. *Journal of Essential oil Research*, 23: 29-33.
- Shahani S., Monsef-Esfahani HR., Saeidnia S., Saniee P., Siavoshi F., Foroumadi A., Samadi N., Gohari AR., 2012. Anti-*Helicobacter pylori* activity of the methanolic extract of *Geum iranicum* and its main compounds. *Zeitschrift für Naturforschung*, 67c: 172-180.

- Shokrzadeh M., Parvaresh A., Shahani S., Habibi E., Zalzar Z., 2013, Cytotoxic effects of *Lagenaria sinceraria* Standl. extract on cancer cell line, Journal of Mazandaran University of Medical Sciences, 22(97): 225-230 (Persian).
- Karami M., Nosrati A., Naderi M, Makhloogh M., Shahani S*. Protective effects of *Nasturtium officinale* against gamma irradiation-induced hepatotoxicity in C57 mice, Research Journal of Pharmacognosy, 2015, 2(2):19-25.
- Shahani S., Hamzkanlu N., Zakeri N., Hosseinimehr SJ., Synergistic anti-tumoral effect of *Achillea millefolium* combined with bleomycin on prostat cancer cells, Research in Molecular Medicine, 2015, 3(1): 10-15.
- Shahani S., Zakeri N., Hamzkanlu N., Hosseinimehr SJ., The protective effects of *Cichorium intybus* L., seed extract against cell toxicity induced by bleomycin on human nonmalignant fibroblast and ovarian cancer cells, Journal of Mazandaran University of Medical Sciences, 2015, 25(121): 39-47 (Persian).
- Shahani S., Rostamnezhad M., Ghaffari-rad V., Ghasemi A., Allahverdi Pourfallah T., Hosseinimehr SJ., Radioprotective effect of *Achillea millefolium* L against genotoxicity induced by ionizing radiation in human normal lymphocytes, Dose-Response, 2015,13(1):1559325815583761
- Hosseinimehr SJ., Ghaffari-rad V., Rostamnezhad M., Ghasemi A., Allahverdi Pourfallah T., Shahani S. *, Radioprotective effect of chicory seeds against genotoxicity induced by ionizing radiation in human normal lymphocytes, Cellular and Molecular Biology, 2015, 61(4): 46-50.
- Shahani S*, Gohari AR, Monsef-esfahani HR, Quantification of sucrose in the root of *Geum iranicum* Khatamsaz, Pharmaceutical and Biomedical Research, 2015; 1(3): 31.
- Samadi N, Shahani S., Akbarzadeh H, Mohammadi-Motamed S, Safaripour E, Farjadmand F, Eftekhari M, Monsef-Esfahani HR, Khanavi M, Essential oil analysis and antibacterial activity of *Ferula assa-foetida* L. aerial parts from Neishabour mountains, Research Journal of Pharmacognosy (RJP) 3(3), 2016: 35-42.
- Shahani S., Behzadfar F, Jahani D, Maryam Ghasemi M, Shaki F. Antioxidant and anti-inflammatory effects of *Nasturtium officinale* involved in attenuation of gentamicin-induced nephrotoxicity, Toxicology Mechanisms and Methods, 2017, 27(2):107-114.

- Shahani S, Behzadfar F, Jahani D, Shaki F. Protective Effects of Hydroalcoholic Extract of Nasturtium Officinale against Gentamicin Induced Mitochondrial Dysfunction in Rat Kidney, Journal of Mazandaran University of Medical Sciences, 2017, 26(145): 152-164 (Persian)
- Hanafi N, Amiri FT, Shahani S, Enayatifard R, Ghasemi M, Karimpour AA. Licorice cream promotes full-thickness wound healing in Guinea pigs. Journal of Research in Pharmacy. 2018 Jan 1;22(1):84-94.
- Ahangar N, Mirzaee F, Feizbakhsh M, Pirhayati S. Shahani S*. Antinociceptive and anti-inflammatory effects of Geum iranicum khatamsaz methanol extract in mice. Research Journal of Pharmacognosy. 2019 Jul 1;6(3):41-9.
- Montazeri M, Mirzaee F, Daryani A, Naeimayi R, Karimabad SM, Arjmandi HK, Esmaealzadeh N, Shahani S*. Anti-Toxoplasma activities of the hydroalcoholic extract of some brassicaceae species. Advanced Biomedical Research. 2020;9.
- Ashoori F, Fakdar M, Goli HR, Mirzaee F, Faridnia R, Kalani H, Shahani S*. Antileishmanial and antibacterial activities of the hydroalcoholic extract of Rhus coriaria L. Annals of parasitology. 2020;66(2).
- Montazeri M, Khani S, Daryani A, Sarvi S, Shahani S, Mirzaee F, Yosefi S, Gholami S. Antiparasitic Effects of Heracleum persicum and Foeniculum vulgare (Fruit) Essential Oils on Experimental Toxoplasmosis (In Vitro and In Vivo). Journal of Mazandaran University of Medical Sciences. 2021 May 10;31(196).
- Mirzaee F, Mohammadi H, Azarpeik S, Amiri FT, Shahani S*. Attenuation of liver mitochondrial oxidative damage by the extract and desulfo glucosinolate fraction of Lepidium perfoliatum L. seeds. South African Journal of Botany. 2021 May 1;138:377-85.
- Talebpour Amiri F, Mirzaee F, Hasanzadeh SN, Enayatifard R, Shahani S*. Therapeutic potential of ointment containing methanol extract of Lamium album L. on cutaneous wound healing in rats. Journal of Medicinal Plants. 2021 Aug 10;20(79):72-84.

- Ahangar N, Bakhshi Jouybari H, Davoodi A, Shahani S*. Phytochemical Screening and Antinociceptive Activity of the Hydroalcoholic Extract of *Potentilla reptans* L. *Pharmaceutical and Biomedical Research*. 2021 Oct 10;7(4):277-84.

- Shahani S, Sahranavard M, Talebpour Amiri F, Abedi M, Noaparast Z. Beneficial effects of *Pimpinella anisum* L. ethanol and aqueous extracts on L-asparaginase-associated hepatotoxicity using specific ^{99m}Tc-Phytate biodistribution studies in rats. *Koomesh*. 2022 Aug 10;24(4):552-63.

- Shahani S, Mehraban N, Talebpour Amiri F, Abedi SM, Noaparast Z, Mohammadinia S. *Melissa Officinalis* L. aqueous extract pretreatment decreases methotrexate-induced hepatotoxicity at lower dose and increases ^{99m}Tc-phytate liver uptake, as a probe of liver toxicity assessment, in rats. *Annals of Nuclear Medicine*. 2022 Dec 5:1-0. DOI: 10.1007/s12149-022-01813-w. Online ahead of print.

- Mirzaee F, Faridnia R, Fakhar M, Kalani H, Shahani S*. In vitro Anti-Leishmanial Activity of Glucosinolate Fraction from *Alyssum linifolium* Steph. ex. Willd (Brassicaceae). *Turkish Journal of Pharmaceutical sciences*. 2022. DOI: 10.4274/tjps.galenos.2022.78027. Online ahead of print.