

Curriculum Vitae

Dr. Azadeh Hamedi

Associate professor at Department of Pharmacognosy, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran

Post address: P. O. Box 1583; 71345 Shiraz; Fars; Iran

Contact Tels: (+98)- 71- 32424127

Fax number: (+98)- 71- 32424126

E-mail: hamediaz@sums.ac.ir

Academic qualifications

- **PhD in Pharmacognosy (2003-2008)**
School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran
- **Pharmacy Doctorate (Pharm D, 1997-2003)**
School of Pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran

• Academic Employment – Teaching and Research

- 1- Associate professor at Department of Pharmacognosy, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran (2015-present)
- 2- Research leader at Medicinal Processing Research Center, Shiraz University of Medical Sciences, Shiraz, Iran (2014-present)
- 3- Assistant professor at Department of Pharmacognosy, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran (2009-2015)
- 4- Work as a research fellow in Institute for Glycomics, Griffith university, Australia (2007-2008)

Publications [1-59]

1. Pasdaran, A., et al., *Cytotoxic Properties, Anthocyanin and Furanocoumarin Content of Red-Pigments Obtained from Callistemon citrinus (Curtis) Skeels Flowers*. Research Journal of Pharmacognosy, 2021: p. -.
2. Sakhteman, A., et al., *An Assay on the Possible Effect of Essential Oil Constituents on Receptors Involved in Women's Hormonal Health and Reproductive System Diseases*.

- Journal of Evidence-Based Integrative Medicine, 2020.
25(10.1177/2515690X20932527): p. 10.1177/2515690X20932527.
3. Rafieian-Kopaei, M., et al., *Phytochemical investigation on volatile compositions and methoxylated flavonoids of Agrostis gigantea Roth*. Iranian journal of pharmaceutical research: IJPR, 2020. **19**(2): p. 360.
 4. Hamed, A., A. Pasdaran, and A. Pasdaran, *Iridoid glycosides from Scrophularia oxysepala*. Current Trends in Biotechnology & Pharmacy, 2020.
 5. Hamed, A., et al., *Effects of the essential oil from Citrus aurantium flowers on liver health parameters (an in vivo study)*. KAUMS Journal (FEYZ), 2020: p. 0-0.
 6. Petramfar, P., et al., *Efficacy of oral administration of licorice as an adjunct therapy on improving the symptoms of patients with Parkinson's disease, A randomized double blinded clinical trial*. Journal of Ethnopharmacology, 2020. **247**: p. 112226.
 7. Hamed, A., et al., *In vitro and in silico approach to determine neuroprotective properties of iridoid glycosides from aerial parts of Scrophularia amplexicaulis by investigating their cholinesterase inhibition and anti-oxidant activities*. Biointerface Research in Applied Chemistry, 2020. **10**(3): p. 5429 - 5454.
 8. Hamed, A., A. Sakhteman, and S. Moheimani, *An In Silico Approach Towards Investigation of Possible Effects of Essential Oils Constituents on Receptors Involved in Cardiovascular Diseases (CVD) and Associated Risk Factors (Diabetes Mellitus and Hyperlipidemia) ; Blood pressure; heart; ACEI*. Cardiovasc Hematol Agents Med Chem, 2020(10.2174/1871524920666200510013039): p. 10.2174/1871524920666200510013039.
 9. Hamed, A., A. Pasdaran, and A. Pasdaran, *A trisaccharide phenylethanoid glycoside from Scrophularia flava Graub with potential anti-type 2 diabetic properties by inhibiting α -glucosidase enzyme and decreasing oxidative stress*. Bioorganic Chemistry, 2020: p. 103776.
 10. Hamed, A., et al., *Investigation of the effect of essential oil from Citrus aurantium L. flowers on liver health parameters in a laboratory animal model*. Feyz, Journal of Kashan University of Medical Sciences, 2020. **24**(1): p. 38-47.
 11. Pasdaran, A., et al., *Chemical composition, antibacterial, insecticidal and antioxidant activities of tree Acantholimon species (A. atropatanum, A. gilliatii and A. tragacanthium)*. The Natural Products Journal, 2019. **9**(10.2174/2210315509666190117153456).
 12. Jaafari-Ashkvandi, Z., et al., *Cytotoxic Effects of Pistacia Atlantica (Baneh) Fruit Extract on Human KB Cancer Cell Line*. Acta Medica (Hradec Kralove), 2019. **62**(1): p. 30-34.

13. Hamed, A., et al., *Citrus aurantium (bitter orange) seed oil: pharmacognostic, anti-inflammatory, and anti-nociceptive properties*. Trends in Pharmaceutical Sciences, 2019. **5**(3): p. 153-160.
14. Hamed, A., A. Pasdaran, and A. Pasdaran, *Antimicrobial Activity and Analysis of the Essential Oils of Selected Endemic Edible Apiaceae Plants Root from Caspian Hyrcanian Region (North of Iran)*. Pharmaceutical Sciences, 2019. **25**(2): p. 138-144.
15. Ebrahimi-Najafabadi, H., et al., *A novel similarity search approach for high-performance thin-layer chromatography (HPTLC) fingerprinting of medicinal plants*. Phytochemical Analysis, 2019.
16. Dehghani, S.M., et al., *A randomized controlled double blinded trial to evaluate efficacy of oral administration of black strap molasses (sugarcane extract) in comparison with polyethylene glycol on pediatric functional constipation*. Journal of ethnopharmacology, 2019. **238**: p. 111845.
17. Jamshidzadeh, A., et al., *Pharmacognostic and anti-inflammatory properties of Securigera securidaca seeds and seed oil*. Research Journal of Pharmacognosy, 2018. **5**(3): p. 31-39.
18. Hamed, A., et al., *Phytochemical Investigation and Quantitative Analysis of the Fatty Acids and Sterol Compounds of Seven Pharmaceutical valuable Seeds (C. aronia; C. oblonga; E. heedii; L. royleana; P. minor; Q. brantii; S. lateriflora)*. Current Pharmaceutical Analysis, 2018: p. DOI: 10.2174/1573412913666170707115214.
19. Seri, A., et al., *Inhibitory effect of bunium persicum hydroalcoholic extract on glucose-induced albumin glycation, oxidation, and aggregation in vitro*. Iranian journal of medical sciences, 2017. **42**(4): p. 369.
20. Pasdran, A. and A. Hamed, *The genus Scrophularia: a source of iridoids and terpenoids with a diverse biological activity*. Pharmaceutical Biology, 2017. **55**(1): p. 2211-2233.
21. Pasdran, A. and A. Hamed, *Natural Products as Source of New Antimicrobial Compounds for Skin Infections*, in *Clinical Microbiology Diagnosis, Treatment and Prophylaxis of Infections, THE MICROBIOLOGY OF SKIN, SOFT TISSUE, BONE AND JOINT INFECTIONS*. 2017, Academic Press, Elsevier. p. 223-253.
22. Jaafari-Ashkavandi, Z., et al., *The Effects of Frankincense on Oral Squamous Cell Carcinoma Cell Line*. Int J Cancer Manag, 2017: p. 10.5812/ijcm.6416.
23. Hejr, H., et al., *The ratio of 1/3 linoleic acid to alpha linolenic acid is optimal for oligodendrogenesis of embryonic neural stem cells*. Neuroscience letters, 2017. **651**: p. 216-225.

24. Hamed, A., et al., *Physicochemical and Immunomodulatory Properties of Gum Exudates Obtained from Astragalus myriacanthus and Some of Its Isolated Carbohydrate Biopolymers*. Iranian journal of pharmaceutical research: IJPR, 2017. **16**(4): p. 1520.
25. Hamed, A., et al., *Authentication and quality control of some polyherbal oils used in Persian Traditional Medicine (PTM)*. Research Journal of Pharmacognosy, 2017. **4**(1): p. 9-22.
26. Hamed, A., et al., *A Survey on Chemical Constituents and Indications of Aromatic Waters Soft Drinks (Hydrosols) Used in Nutrition Culture and traditional Persian medicine for Neurological Disorders and Mental Health (containing essential oil)*. Journal of Evidence-based Complementary & Alternative Medicine, 2017. **22**(4): p. 744-752.
27. Hamed, A., et al., *An overview on indications and chemical composition of aromatic waters (hydrosols) as functional beverages in Persian nutrition culture and traditional Persian medicine for hyperlipidemia and cardiovascular conditions (essential oil*. Journal of Evidence-based Complementary & Alternative Medicine, 2017. **22**(4): p. 544-561.
28. Hamed, A., M. Afifi, and H. Etemadfar, *Investigating chemical composition and indications of hydrosol soft drinks (aromatic waters) used in traditional Persian medicine for women's hormonal and reproductive health conditions (traditional Persian medicine; containing essential oils)*. Journal of Evidence-based Complementary & Alternative Medicine, 2017. **22**(4): p. 824-839.
29. Ravanfar, P., et al., *Efficacy of whole extract of licorice in neurological improvement of patients after acute ischemic stroke*. Journal of Herbal Medicine, 2016. **6**(1): p. 12-17.
30. Pasharan, A., A. Hamed, and N.A. Mamedov, *Antibacterial and insecticidal activity of volatile compounds of three algae species of Oman Sea*. International Journal of Secondary Metabolite, 2016. **3**(2): p. 66-73.
31. Jafarpour, M., et al., *Effect of a traditional syrup from Citrus medica L. fruit juice on migraine headache: A randomized double blind placebo controlled clinical trial*. Journal of ethnopharmacology, 2016. **179**: p. 170-176.
32. Jafarpour, M., G. Yousefi, and A. Hamed, *A Review of Herbal Medicine in Iranian Traditional Manuscripts for Treatment of Participatory Gastric Headache*. Iranian journal of medical sciences, 2016. **41**(3 Suppl): p. S17.
33. Hamed, A., M.M. Zarshenas, and M. Sohrabpour, *Phytochemical assessments of Astragalus hamosus pods (Iklil-ul-Malik)*. Trends in Pharmaceutical Sciences, 2016. **2**(1): p. 77-81.

34. Hamed, A., et al., *Effects of Malva sylvestris and its isolated polysaccharide on experimental ulcerative colitis in rats*. Journal of evidence-based complementary & alternative medicine, 2016. **21**(1): p. 14-22.
35. Hamed, A., et al., *Salvia macrosiphon seeds and seed oil: pharmacognostic, anti-inflammatory and analgesic properties*. Research Journal of Pharmacognosy, 2016. **3**(4): p. 27-37.
36. Kashkooli, R.I., et al., *The effect of Berberis vulgaris extract on transaminase activities in non-alcoholic fatty liver disease*. Hepatitis monthly, 2015. **15**(2).
37. Hamed, A., K. Zomorodian, and F. Safari, *Antimicrobial activity of four medicinal plants widely used in Persian folk medicine*. Research Journal of Pharmacognosy, 2015. **2**(1): p. 25-33.
38. Hamed, A., et al., *Reproductive toxicity of Cassia absus seeds in female rats: possible progesteronic properties of chaksine and b-sitosterol*. Pharmaceutical Chemistry Journal, 2015. **49**(4): p. 268-274.
39. Hamed, A., et al., *Alyssum homolocarpum seeds: phytochemical analysis and effects of the seed oil on neural stem cell proliferation and differentiation*. Journal of natural medicines, 2015. **69**(3): p. 387-396.
40. Hamed, A., S. Farjadian, and M.R. Karami, *Immunomodulatory properties of Taranjebin (Camel's Thorn) manna and its isolated carbohydrate macromolecules*. Journal of evidence-based complementary & alternative medicine, 2015. **20**(4): p. 269-274.
41. Hamed, A., S. Farjadian, and M.R. Karami, *Immunomodulatory properties of Trehala manna decoction and its isolated carbohydrate macromolecules*. Journal of ethnopharmacology, 2015. **162**: p. 121-126.
42. Birjandi, M., et al., *The Effect of Berberis Vulgaris Extract on Transaminase Activities in Non-Alcoholic Fatty Liver Disease*. مقالات اساتید و اعضای هیئت علمی دانشگاه در دیگر مجلات. **۱۰۲۰۱۵**(4).
43. Jamshidzadeh, A., et al., *Comparative Evaluation of Analgesic Activities of Aniseed Essential and Fixed Oils*. International Journal for Pharmaceutical Research Scholars (IJPRS), 2014. **3**(1): p. 227-235.
44. Hamed, A., A. Mohagheghzadeh, and S. Rivaz, *Hydrodistilled volatile constituents obtained from the roots of Operculina turpethum*. Phcog J, 2014. **6**(2): p. 36.
45. Hamed, A., et al., *Effects of β -sitosterol oral administration on the proliferation and differentiation of neural stem cells*. journal of functional foods, 2014. **8**: p. 252-258.

46. Bamfarahnak, H., et al., *Evaluation of thermal-stress on the accumulation of podophyllotoxin in shoot in vitro cultures of Linum persicum*. Research Journal of Pharmacognosy, 2014. **1**(2): p. 3-9.
47. SalehZadeh, H., et al., *The effect of Berberis vulgaris extract on blood pressure and weight of the patients suffered from Non-alcoholic Fatty Liver Disease*. Journal of Research Development in Nursing & Midwifery, 2013. **10**: p. 21-27.
48. Hamed, A., et al., *Herbal medicinal oils in traditional Persian medicine*. Pharmaceutical biology, 2013. **51**(9): p. 1208-1218.
49. Hamed, A., A. Mohagheghzadeh, and S. Rivaz, *Preliminary pharmacognostic evaluation and volatile constituent analysis of spathe of Phoenix dactylifera L.(Tarooneh)*. Pharmacognosy Journal, 2013. **5**(2): p. 83-86.
50. Ghazaleh, M., et al., *Irritable Bowel Syndrome Pathophysiology According to Traditional Iranian Medicine*. Research in Endocrinology, 2013. **12**(Article ID 688997).
51. Wilson, J.C., et al., *Novel variation of the lipid A structure of serotype B lgt3 mutant Moraxella catarrhalis LOS*. Trends In Carbohydrate Research, 2012. **4**(1): p. 10-15.
52. Karam, M. and A. Hamed, *Structure elucidation of water-soluble polysaccharides of Trehala Manna*. Research in Pharmaceutical Sciences, 2012. **7**(5): p. 731.
53. Holori, I.R., et al., *Analysis of immunomodulatory activity of polysaccharides extracted from the brown alga Cystoseira myrica*. Research in Pharmaceutical Sciences, 2012. **7**(5): p. 776.
54. Hamed, A., S. Rivaz, and A. Mohagheghzadeh, *Pharmacognostic and preliminary phytochemical investigation on Doronicum scorpioides Roots*. Iranian Journal of Pharmaceutical Sciences, 2012. **8**(4): p. 257-262.
55. Hamed, A., F. Ghanati, and H. Vahidi, *Study on the effects of different culture conditions on the morphology of Agaricus blazei and the relationship between morphology and biomass or EPS production*. Annals of microbiology, 2012. **62**(2): p. 699-707.
56. Hamed, A. and F. Ghanati, *Anti-cancer compound from medicinal mushrooms*. Iranian Journal of Pharmaceutical Research, 2010(Supplement 2): p. 73-73.
57. Mojab, F., et al., *Hydrodistilled volatile constituents of the leaves of Daucus carota L. subsp. sativus (Hoffman.) Arcang.(Apiaceae) from Iran*. Journal of Essential Oil Bearing Plants, 2008. **11**(3): p. 271-277.
58. Hamed, A., H. Vahid, and F. Ghanati, *Optimization of the medium composition for production of mycelial biomass and exo-polysaccharide by Agaricus blazei Murill DPPh 131 using response-surface methodology*. Biotechnology, 2007. **6**(4): p. 456-464.

59. Vahidi, H. and A. Hamed, *Effects of different carbon sources on production of polysaccharides by Agaricus blazei*. *Planta Medica*, 2006. **72**(11): p. P_019.