

Curriculum Vitae

Dr. Azadeh Hamedi

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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 [1-55]

1. Petramfar, P., F. Hajari, G. Yousefi, S. Azadi, and A. Hamedi, *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.
2. Hamedi, A., G. Zengin, A. Aktumsek, Z. Selamoglu, and A. Pasdaran, *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.
3. Hamedi, 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)
 4. Hamedi, A., A. Pasdaran, and A. Pasdaran, *A trisaccharide phenylethanoid glycoside from *Scrophularia flava* Grau with potential anti-type 2 diabetic properties by inhibiting α -glucosidase enzyme and decreasing oxidative stress*. *Bioorganic Chemistry*, 2020: p. 103776.
 5. Hamedi, A., A. Jamshidzadeh, M. Dana, A. Pasdaran, and R. Heidari, *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.
 6. Hamedi, A., A. Jamshidzadeh, M. Dana, A. Pasdaran, and R. Heidari, *Effects of the essential oil from *Citrus aurantium* flowers on liver health parameters (an in vivo study)*. *KAUMS Journal (FEYZ)*, 2020: p. 0-0.
 7. Pasdaran, A., S. Sarker, L. Nahar, and A. Hamedi, *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).
 8. Jaafari-Ashkvandi, Z., S.Y. Shirazi, S. Rezaeifard, A. Hamedi, and N. Erfani, *Cytotoxic Effects of *Pistacia Atlantica* (Baneh) Fruit Extract on Human KB Cancer Cell Line*. *Acta Medica (Hradec Kralove)*, 2019. **62**(1): p. 30-34.
 9. Hamedi, A., M.M. Zarshenas, A. Jamshidzadeh, S. Ahmadi, R. Heidari, and A. Pasdaran, **Citrus aurantium* (bitter orange) seed oil: pharmacognostic, anti-inflammatory, and anti-nociceptive properties*. *Trends in Pharmaceutical Sciences*, 2019. **5**(3): p. 153-160.
 10. Hamedi, 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.
 11. Ebrahimi-Najafabadi, H., S.S. Kazemeini, A. Pasdaran, and A. Hamedi, *A novel similarity search approach for high-performance thin-layer chromatography (HPTLC) fingerprinting of medicinal plants*. *Phytochemical Analysis*, 2019.
 12. Dehghani, S.M., M.S. Bahrololomifard, G. Yousefi, A. Pasdaran, and A. Hamedi, *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.
 13. Jamshidzadeh, A., A. Pasdaran, R. Heidari, and A. Hamedi, *Pharmacognostic and anti-inflammatory properties of *Securigera securidaca* seeds and seed oil*. *Research Journal of Pharmacognosy*, 2018. **5**(3): p. 31-39.
 14. Hamedi, A., M. Sohrabpour, M. Zarshenas, and A. Pasdaran, *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.
15. Seri, A., M. Khorsand, Z. Rezaei, A. Hamedi, and M.A. Takhshid, *Inhibitory effect of buniun persicum hydroalcoholic extract on glucose-induced albumin glycation, oxidation, and aggregation in vitro*. Iranian journal of medical sciences, 2017. **42**(4): p. 369.
 16. Pasdran, A. and A. Hamedi, *The genus Scrophularia: a source of iridoids and terpenoids with a diverse biological activity*. Pharmaceutical Biology, 2017. **55**(1): p. 2211-2233.
 17. Pasdran, A. and A. Hamedi, *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.
 18. Jaafari-Ashkavandi, Z., A. Hamedi, S. Assar, and A. Ebrahimpour, *The Effects of Frankincense on Oral Squamous Cell Carcinoma Cell Line*. Int J Cancer Manag, 2017: p. 10.5812/ijcm.6416.
 19. Hejr, H., M. Ghareghani, K. Zibara, M. Ghafari, F. Sadri, Z. Salehpour, A. Hamedi, K. Negintaji, H. Azari, and A. Ghanbari, *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.
 20. Hamedi, A., G. Yousefi, S. Farjadian, M.S.B. Bour, and E. Parhizkar, *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.
 21. Hamedi, A., A. Sakhteman, F. Ahmadi, M. Sohrabpour, and M. Zarshenas, *Authentication and quality control of some polyherbal oils used in Persian Traditional Medicine (PTM)*. Research Journal of Pharmacognosy, 2017. **4**(1): p. 9-22.
 22. Hamedi, A., A. Pasdran, Z. Zebarjad, and M. Moein, *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.
 23. Hamedi, A., S.M. Moheimani, A. Sakhteman, H. Etemadfard, and M. Moein, *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.
 24. Hamedi, A., M. Afifi, and H. Etemadfard, *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.
 25. Ravanfar, P., G. Namazi, M. Atigh, S. Zafarmand, A. Hamedi, A. Salehi, S. Izadi, and A. Borhani-Haghighi, *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.
 26. Pasdran, A., A. Hamedi, 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.

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29. Hamedi, 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.
30. Hamedi, A., H. Rezaei, N. Azarpira, M. Jafarpour, and F. Ahmadi, *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.
31. Hamedi, A., A. Jamshidzadeh, S. Ahmadi, M. Sohrabpour, and M. Zarshenas, *Salvia macrosiphon seeds and seed oil: pharmacognostic, anti-inflammatory and analgesic properties*. Research Journal of Pharmacognosy, 2016. **3**(4): p. 27-37.
32. Kashkooli, R.I., S.S. Najafi, F. Sharif, A. Hamedi, M.K.H. Asl, M.N. Kalyani, and M. Birjandi, *The effect of Berberis vulgaris extract on transaminase activities in non-alcoholic fatty liver disease*. Hepatitis monthly, 2015. **15**(2).
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35. Hamedi, A., A. Ghanbari, R. Razavipour, V. Saeidi, M.M. Zarshenas, M. Sohrabpour, and H. Azari, *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.
36. Hamedi, 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.
37. Hamedi, 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.
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41. Hamed, A., A. Ghanbari, V. Saeidi, R. Razavipour, and H. Azari, *Effects of β -sitosterol oral administration on the proliferation and differentiation of neural stem cells*. journal of functional foods, 2014. **8**: p. 252-258.
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45. 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.
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47. Wilson, J.C., R. Bak, A. Hamed, I. Faglin, I.R. Peak, and I.D. Grice, *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.
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49. Holori, I.R., A. Hamed, M. Habib-Agahi, and M. Moein, *Analysis of immunomodulatory activity of polysaccharides extracted from the brown alga *Cystoseira myrica**. Research in Pharmaceutical Sciences, 2012. **7**(5): p. 776.
50. 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.
51. 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.
52. Hamed, A. and F. Ghanati, *Anti-cancer compound from medicinal mushrooms*. Iranian Journal of Pharmaceutical Research, 2010(Supplement 2): p. 73-73.
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54. 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.
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