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Academic Background:

Pharm.D., Faculty of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran, 1999- 2005

PhD., Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2006 – 2010

Visiting researcher, University of Basel, Basel, Switzerland. 2009-2010.

Current position:

Associate professor of Pharmacognosy, Department of Pharmacognosy and Pharmaceutical Biotechnology, School of Pharmacy, Kermanshah University of Medical Sciences, Kermanshah, Iran

## Publications:

- 1- Iranshahi, M., **Mojarrab, M.**, Sadeghian, H., Hanafi-Bojd, M.Y., Schneider, B. Polar secondary metabolites of *Ferula persica* roots (2008) *Phytochemistry*, 69 (2): 473-478.
- 2- Delazar, A., Sabzevari, A., **Mojarrab, M.**, Nazemiyeh, H., Esnaashari, S., Nahar, L., Razavi, S.M., Sarker, S.D. Free-radical-scavenging principles from *Phlomis caucasica* (2008) *Journal of Natural Medicines*, 62 (4): 464-466.
- 3- **Mojarrab, M.**, Emami, S.A., Hassanzadeh-Khayyat, M. Antioxidant activity of methanol extracts of different species of *Artemisia* from Iran (2009) *Pharmacologyonline*, 2: 797-807.
- 4- Asnaashari, S., Delazar, A., Seyed Alipour, S., Nahar, L., Williams, A.S., Pasdaran, A., **Mojarrab, M.**, Fathi Azad, F., Sarker, S.D. Chemical composition, free-radical-scavenging and insecticidal activities of the aerial parts of *Stachys byzantine* (2010) *Archives of Biological Sciences*, 62 (3): 653-662.
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- 6- **Mojarrab, M.**, Delazar, A., Hamburger, M., Potterat, O. New coumarin-hemiterpene ether glucosides and a structurally related phenylpropanoic acid derivative from *Artemisia armeniaca* (2010) *Natural Product Communications*, 5 (10): 1619-1622.
- 7- Delazar, A., Delnavazi, M.R., Nahar, L., Moghadam, S.B., **Mojarrab, M.**, Gupta, A., Williams, A.S., Mukhlesur Rahman, M., Sarker, S.D. Lavandulifolioside B: A new phenylethanoid glycoside from the aerial parts of *Stachys lavandulifolia* Vahl (2011) *Natural Product Research*, 25 (1): 8-16.
- 8- **Mojarrab, M.**, Delazar, A., Moghadam, S.B., Nazemiyeh, H., Nahar, L., Kumarasamy, Y., Asnaashari, S., Hadjiakhoondi, A., Sarker, S.D. Armenin and isoarmenin - Two prenylated coumarins from the aerial parts of *Artemisia armeniaca* (2011) *Chemistry and Biodiversity*, 8 (11): 2097-2103.
- 9- Vidal, V., Potterat, O., Louvel, S., Hamy, F., **Mojarrab, M.**, Sanglier, J.-J., Klimkait, T., Hamburger, M. Library-based discovery and characterization of daphnane diterpenes as potent and selective HIV inhibitors in *Daphne gnidium* (2012) *Journal of Natural Products*, 75 (3): 414-419.
- 10- **Mojarrab, M.**, Delazar, A., Esnaashari, S., Heshmati Afshar, F. Chemical composition and general toxicity of essential oils extracted from the aerial parts of *Artemisia armeniaca* Lam. And *A. Incana* (L.) Druce growing in Iran (2013) *Research in Pharmaceutical Sciences*, 8 (1): 65-69.

- 11- **Mojarrab, M.**, Soltani, R., Aliabadi, A. Pyridine based chalcones: Synthesis and evaluation of antioxidant activity of 1-phenyl-3-(pyridin-2-yl)prop-2-en-1-one derivatives (2013) *Jundishapur Journal of Natural Pharmaceutical Products*, 8 (3): 125-130.
- 12- Ghazi-Khansari, M., **Mojarrab, M.**, Ahmadi, F., Hosseinzadeh L. The antiproliferative effects of petroleum ether extract of *Artemisia aucheri* on the human cancerous cell lines (2013) *Journal of Reports in Pharmaceutical Sciences*, 2(2): 61-66.
- 13- Tayarani-Najaran, Z., Sareban, M., Gholami, A., Emami, S.A., **Mojarrab, M.** Cytotoxic and apoptotic effects of different extracts of *Artemisia turanica* Krasch. on K562 and HL-60 cell lines (2013) *The Scientific World Journal*, 2013, art. no. 628073, .
- 14- **Mojarrab, M.**, Jamshidi, M., Ahmadi, F., Alizadeh, E., Hosseinzadeh, L. Extracts of *Artemisia ciniformis* protect cytotoxicity induced by hydrogen peroxide in H9c2 cardiac muscle cells through the inhibition of reactive oxygen species (2013) *Advances in Pharmacological Sciences*, 2013, art. no. 141683.
- 15- **Mojarrab, M.**, Lagzian, M.-S., Emami, S.A., Asili, J., Tayarani-Najaran, Z. In vitro anti-proliferative and apoptotic activity of different fractions of *Artemisia armeniaca* (2013) *Brazilian Journal of Pharmacognosy*, 23 (5): 783-788.
- 16- **Mojarrab, M.**, Shiravand, A., Delazar, A., Heshmati Afshar, F. Evaluation of in vitro antimarial activity of different extracts of *Artemisia aucheri* Boiss. and *A. armeniaca* Lam. and fractions of the most potent extracts (2014) *The Scientific World Journal*, 2014, art. no. 825370.
- 17- **Mojarrab, M.**, Rezaei, M., Miraghaei, S.-S., Abdi, G., Shokoohinia, Y. Antimalarial evaluation of cuminaldehyde, an aromatic monoterpenoid, using cell free  $\beta$ -hematin formation assay (2014) *Journal of Reports in Pharmaceutical Sciences*, 3 (1): 36-41.
- 18- **Mojarrab, M.**, Khan Mohammadi, A., Hosseinzadeh, L., Minoosh Siavash-Haghighi, Z. Antioxidant activity and safety assessment of *Tragopogon buphtalmoides* hydroethanolic extract: Acute and subchronic toxicities (2014) *Research in Pharmaceutical Sciences*, 9 (5): 359-366.
- 19- Hatami, T., Emami, S.A., Miraghaei, S.S., **Mojarrab, M.** Total phenolic contents and antioxidant activities of different extracts and fractions from the aerial parts of *Artemisia biennis* willd (2014) *Iranian Journal of Pharmaceutical Research*, 13 (2): 551-558.
- 20- Tayarani-Najaran, Z., Hajian, Z., **Mojarrab, M.**, Emami, S.A. Cytotoxic and apoptotic effects of extracts of *Artemisia ciniformis* Krasch. & Popov Ex Poljakov on K562 and HL-60 cell lines(2014) *Asian Pacific Journal of Cancer Prevention*, 15 (17): 7055-7059.
- 21- **Mojarrab, M.**, Naderi, R., Afshar, F.H. Screening of different extracts from *Artemisia* species for their potential antimarial activity (2015) *Iranian Journal of Pharmaceutical Research*, 14 (2): 603-608.
- 22- Ahmadi, F., **Mojarrab, M.**, Ghazi-Khansari, M., Hosseinzadeh, L. A semipolar fraction of petroleum ether extract of *Artemisia aucheri* induces apoptosis and enhances the apoptotic response to doxorubicin in human neuroblastoma SKNMC cell line (2015) *Research in Pharmaceutical Sciences*, 10 (4): 335-344.
- 23- **Mojarrab, M.**, Nasseri, S., Hosseinzadeh, L., Farahani, F. Evaluation of antioxidant and cytoprotective activities of *Artemisia ciniformis* extracts on PC12 cells. (2016) *Iranian Journal of Basic Medical Sciences*, 19 (4): 430-438.
- 24- **Mojarrab, M.**, Mehrabi, M., Ahmadi, F., Hosseinzadeh, L. Protective effects of fractions from *Artemisia biennis* hydroethanolic extract against doxorubicin-induced oxidative stress and apoptosis in PC12 cells. (2016) *Iranian Journal of Basic Medical Sciences*, 19 (5): 803-810.

- 25- Vaziri, S., **Mojarrab, M.**, Farzaei, M.H., Najafi, F., Ghobadi A. Evaluation of anti-aphthous activity of decoction of Nicotiana tabacum leaves as a mouthwash: a placebo-controlled clinical study. (2016) *Journal of Traditional Chinese Medicine*, 36(2): 160-164.
- 26- **Mojarrab, M.**, Emami, S.A., Gheibi, Sh., Taleb, A.M., Heshmati Afshar, F. Evaluation of anti-malarial activity of *Artemisia turcomanica* and *A. kopetdagensis* by cell-free  $\beta$ -hematin formation assay. (2016) *Research Journal of Pharmacognosy*, 3(4): 59-65.
- 27- Tayarani-Najaran, Z., Makki, F.-S., Alamolhodaei, N.-S., **Mojarrab, M.**, Emami, S.A. Cytotoxic and apoptotic effects of different extracts of *Artemisia biennis* willd. On K562 and HL-60 cell lines. (2017) *Iranian Journal of Basic Medical Sciences*, 20 (2): 166-171.
- 28- Mohammadi-Motlagh, H.-R., Shokohinia, Y., **Mojarrab, M.**, Rasouli, H., Mostafaie, A. 2-Methylpyridine-1-iun-1-sulfonate from *Allium hirtifolium*: An anti-angiogenic compound which inhibits growth of MCF-7 and MDA-MB-231 cells through cell cycle arrest and apoptosis induction. (2017) *Biomedicine and Pharmacotherapy*, 93: 117-129.
- 29- **Mojarrab, M.**, Emami, S.A., Delazar, A., Tayarani-Najaran, Z. Cytotoxic properties of three isolated coumarin-hemiterpene ether derivatives from *Artemisia armeniaca* lam. (2017) *Iranian Journal of Pharmaceutical Research*, 16 (1): 221-229.
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- 31- **Mojarrab, M.**, Pourasadollah, A., Motamed, H., Ahmadi, F., Hosseinzadeh, L., Hajialyani, M. Active fractions of dichloromethane extract of *Artemisia Aucheri* inhibit proliferation of human breast cancer MCF-7 cells via induction of apoptosis. *Journal of Reports in Pharmaceutical Sciences*, 7(3): 331-343.