

Curriculum Vitae Azadeh Manayi

Personal information

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Education

2008–2013: Ph.D. of Pharmacognosy, Department of Pharmacognosy, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

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

1998: Diploma in Experimental Sciences.

Awards

1- Awarded as the Grade **3rd** Basic science exam of Pharmacy, Faculty of Pharmacy, Tehran University of Medical Sciences, 2001.

2- Awarded as the Grade **One** in Iran for best poster, The First National congress on Processing of Medicinal plants and Industrial Products. Mar. 4-5, 2009, Gorgan, Iran.

3- Awarded as the Grade **One** for best poster presenter in 4th Global Summit on Medicinal and Aromatic Plants, Dec. 1-5, 2009, Kuching, Sarawak Malaysia.

4- Awarded as the Grade **3rd** for best poster in 16th Iranian Pharmacy Students Seminar, 2011, Kuching, Sarawak Malaysia.

Publication

Articles

- 1- Noor Sabri, Narguess Yassa, Mohammad Reza Fazeli, Seyed Hamid Reza Alavi, Fatemeh Fouladi, Ladan Salimi, **Azadeh Manayi**, Zahra Tofighi. Antibacterial activity of *Peucedanum ruthenicum*, *Johreniopsis seseloides* and *Cervaria cervariifolia* extracts. Iranian Journal of Pharmaceutical Sciences, 2009, 1 (5), 49-54.
- 2- Nargeuss Yassa, Ladan Salimi, **Azadeh Manayi**, Seyed Hamid Reza Alavi. Prenylated furanocoumarin and flavonoids of *Cervaria cervariifolia* from Iran. *Planta Medica* 2010, 76 (12): 364.
- 3- Nasrin Samadi, **Azadeh Manayi**, Mahdi Vazirian, Mahtab Samadi, Zahra Zeynalzadeh, Zahra Saghari, Neda Abadian, Vali-O-Allah Mozaffarian, Mahnaz Khanavi. Chemical composition and antimicrobial activity of the essential oil of *Anthemis altissima* L. var. *altissima*. *Natural Product Research* 2011, 1-4.
- 4- Mahnaz Khanavi, Mana Moshteh, **Azadeh Manayi**, Mohamad Reza Shams Ardekani, Mahdi Vazirian, Yousef Ajani and Seyed Nasser Ostad. Cytotoxic activity of *Lythrum salicaria* L. *Research Journal of Biological Sciences* 2011, 6 (2), 55-57.
- 5- Mahnaz Khanavi, **Azadeh Manayi**, Mahnaz Lotfi, Rofeyde Abbasi, Maryam Majdzade, Seyed Naser Ostad. Investigation of Cytotoxic Activity in Four *Stachys* Species from Iran, *IJPR* 2012, 11 (2), 589-593.
- 6- **Azadeh Manayi**, Tahmineh Mirnezami, Soodabeh Saeidnia, Yousef Ajani. Pharmacognostical Evaluation, Phytochemical Analysis and Antioxidant Activity of the Roots of *Achillea tenuifolia* LAM. *Pharmacognosy Journal* 2012, 4 (30): 14-19.
- 7- **Azadeh Manayi**, Soodabeh Saeidnia, Mohammad Ali Faramarzi, Nasrin Samadi, Samineh Jafari, Mahdi Vazirian, Ardeshir Ghaderi, Tahmineh Mirnezami, Abbas Hadjiakhoondi, Mohammad Reza Shams Ardekani, Mahnaz Khanavi. A

comparative study of anti-candida activity and phenolic contents of the calluses from *Lythrum salicaria* L. in different treatments. Applied Biochemistry and Biotechnology 2013, 170, 176-184. doi 10.1007/s12010-013-0185-3.

8- Mehdi Esfandyari-Manesh, Zahra Ghaedi, Mahboobeh Asemi, Mahnaz Khanavi, **Azadeh Manayi**, Hossein Jamalifar, Fatemeh Atyabi, Rassoul Dinarvand. Study of antimicrobial activity of anethole and carvone loaded PLGA nanoparticles. Journal of Pharmacy Research 2013, 7(4): 290-295, doi.org/10.1016/j.jopr.2013.04.019.

9- **Azadeh Manayi**, Soodabeh Saeidnia, Seyed Naser Ostad, Abbas Hadjiakhoondi, Mohammad Reza Shams Ardekani, Mohammad Ali Faramarzi, Mahdi Vazirian, Yasmin Akhtar, Mahnaz Khanavi. Chemical Constituents and Cytotoxic Effect of the Main Compounds of *Lythrum salicaria* L. Zeitschrift für Naturforschung 2103, 68 c: 367-375.

10- **Azadeh Manayi**, Mahnaz Khanavi, Soodabeh Saiednia, Ebrahim Azizi, Mohammad Reza Mahmoodpour, Fatemeh Vafi, Maryam Malmir, Farideh Siavashi, Abbas Hadjiakhoondi. Biological activity and microscopic characterization of *Lythrum salicaria* L. Daru Journal of Pharmaceutical Research 2013. doi:10.1186/2008-2231-21-61.

11- **Azadeh Manayi**, Soodabeh Saeidnia, Maryam Shekarchi, Mohammad Ali Faramarzi, Abbas Hadjiakhoondi, Mohammad Reza Shams Ardekania, Mahnaz Khanavi. Comparative investigation of volatile components of *Lythrum salicaria* L. using hydro-distillation methods. Research Journal of Pharmacognosy 2013, 1(2): 37-42.

12- Soodabeh Saeidnia, **Azadeh Manayi**, Mohammad Abdollahi. The Pros and Cons of the In-silico Pharmaco-toxicology in Drug Discovery and Development. International journal of pharmacology 2013, 9: 176-181.

13- Soodabeh Saeidnia, **Azadeh Manayi**, Mohammad Abdollahi, Ahmad Reza Gohari. The story of beta-sitosterol - A review. European Journal of Medicinal Plants 2014.

14- Seyyed Naser Ostad, Mahdi Vazirian, **Azadeh Manayi**, Abbas Hadjiakhoondi, Mahnaz Khanavi. Comparison of cytotoxic activities of some Iranian *Stachys* spp. extracts on different cancer cell lines. Research Journal of Pharmacognosy 2014, 1(2).

15- Mahdi Vazirian, Mohammad Sharifzadeh, Sasha Dianat, **Azadeh Manayi**, Ali Mousazadeh, Emran Habibi, Soodabeh Saeidnia, Yaghoob Amanzadeh. Anti-inflammatory effect, total polysaccharide, total phenol and antioxidant activity of aqueous extract of three Basidiomycetes. Research Journal of Pharmacognosy 2014.13-19.

16- Mahdi Vazirian, Seyed Esmail Sadat Ebrahimi, Hamid Reza Monsef Esfahani, Mohammad Ali Faramarzi, Nasrin Samadi, Seyyed Aboufazel Hosseini, Ali Asghari, **Azadeh Manayi**, Ali Mousazadeh, Mohammad Reza Asef, Emran Habibi, Yaghoob Amanzadeh. Antimicrobial effect of different fractions of *Ganoderma lucidum* and its main compounds. International Journal of Medicinal Mushrooms 2014. Accepted.

17- **Azadeh Manayi**, Soodabeh Saeidnia, Ahmad Reza Gohari, Mohammad Abdollahi. Methods for the discovery of new anti-aging products- targeted approach 2014. 10.1517/17460441.2014.885014.

18- Soodabeh Saeidnia, Zargham Sepehrizadeh, Ahmad Reza Gohari, Gholamreza Amin, **Azadeh Manayi**, Abbas Hadjiakhoondi. Monoterpene synthase from

Dracocephalum kotschy and SPME-GC-MS analysis of its aroma profile. Research Journal of Pharmacognosy (RJP) 2014. 1(2):11-21.

19- Mohammad Sharifzadeh, Nastaran Ebadi, **Azadeh Manayi**, Kamalinejad M, Hossein Rezaeizadeh, Mehran Mirabzadeh, Bonakdar Yazdi B, Mahnaz Khanavi. Effect of *Rubia tinctorum* L. extracts on carrageenan induced paw edema in rats. Journal of Medicinal Plants. Accepted 2014.

20- **Azadeh Manayi**, Mahdi Vazirian, Soodabeh Saeidnia. *Echinacea purpurea*: pharmacology, photochemistry and analysis method. Pharmacognosy Review. Accepted 2014.

21- **Azadeh Manayi**, Soodabeh Saeidnia, Mahdieh Kourepaz-Mahmoodabadi, Ahmad Reza Gohari. A Review on phytochemistry and pharmacology of *Satureja*. Journal of Agriculture and Biodiversity Research. Submitted 2014.

22- **Azadeh Manayi**, Soodabeh Saeidnia, Mahdieh Kourepaz-Mahmoodabadi, Ahmad Reza Gohari. Presence of phthalate derivatives in a medicinal plant *Achillea tenuifolia*; A concern for developing countries. Industrial Crops and Products. Submitted 2014.

23- Sahar Omidpanah, **Azadeh Manayi**. Evaluation of aqueous extracts activity of some medicinal plants on the growth of *Aspergillus flavus* isolated from contaminated corn *in vitro*. Journal of Medicinal Plants. Submitted 2014.

24- **Azadeh Manayi**, Hamid Sadeghi, Mehdi Mohamadian Sarcheshmeh, Sahar Omidpanah. Antifungal activity evaluation of aqueous extracts of some medicinal plants on *Aspergillus flavus*, pistachio aflatoxin producing fungus *in vitro*. Journal of Pharmacy and Bioallied sciences. Submitted 2014.

Books

- 1- Mahdi Vazirian, Mohammad Tahvilzadeh, Mina Nirumand Cheraghi, **Azadeh Manayi**, *et al.*, Under Supervision of Dr. Gholamreza Amin. Phytotherapy by the Most Common Medicinal Herbs of Iran, Braye Farda Publisher, Tehran, Iran 2012.
- 2- **Azadeh Manayi**, Soodabeh Saiednia. Encyclopedia of Toxicology, Cosmetics and Personal Care Products, 3rd edition, Elsevier, USA, 2013.
- 3- **Azadeh Manayi**, Soodabeh Saeidnia. Encyclopedia of Toxicology, Phenolphetalein. 3rd edition, Elsevier 2013.
- 4- Ahmad Reza Gohari, **Azadeh Manayi**, Soodabeh Saeidnia. Encyclopedia of Toxicology, Diaminotoluene. 3rd edition, Elsevier, USA, 2013.
- 5- Ahmad Reza Gohari, **Azadeh Manayi**, Soodabeh Saeidnia. Encyclopedia of Toxicology, Trichloropropan. 3rd edition, Elsevier, USA, 2013.
- 6- **Azadeh Manayi**. Anticancer terpenoids. Biomedical Science, Springer. (In Process 2014)

Seminars

- 1- **Azadeh Manayi**, Narguess Yassa. Flavonoids of *Cervaria cervariifolia* and antioxidation activity of extract (poster). The First National congress on Processing of Medicinal plants and Industrial Products. Mar.4-5, 2009, Gorgan, Iran.
- 2- **Azadeh Manayi**, Mahtab Samadi, Mahnaz Khanavi. Essential oil composition of *Anthemis altissima* L. var. *altissima* and its antioxidant activity (poster). 8th International Symposium on the chemistry of Natural Compounds, 8th SCNC, 15-17 Jun, 2009, Eskisehr, Turkey.
- 3- **Azadeh Manayi**, Mahtab Samadi, Mahnaz Khanavi, Mahdi vazirian, Nasrin Samadi, Zahra Saghari. Chemical Composition, antioxidant and antibacterial activity of the essential oil and extracts of *Anthemis altissima* L. var. *altissima* from

Iran (poster). 4th Global Summit on Medicinal and Aromatic Plants, Dec. 1-5, 2009, Kuching, Sarawak Malaysia.

4- 16th Iranian Pharmacy Students Seminar, Referee, Pharmacognosy (2011).

5- **Azadeh Manayi**, Soodabeh Saeidnia, Mohammad Ali Faramarzi, Samineh Jafari, Mahdi Vazirian, Ardeshir Ghaderi, Tahmineh Mirnezami, Mohammad Reaz Shams Ardekani, Mahnaz Khanavi. Total Phenol Contents of the Calluses from *Lythrum salicaria* L. in Different Treatments. 1st National congress on medicinal plants, May 16-17, 2012. Kish Island, Iran.

6- **Azadeh Manayi**, Tahmineh Mirnezami, Soodabeh Saeidnia. Pharmacognostical Evaluation, Phytochemical Analysis and Antioxidant activity of *Achillea tenuifolia* LAM. 13th Iranian Pharmaceutical Sciences Congress, Sep 2012. Isfahan, Iran.

7- **Azadeh Manayi**, Soodabeh Saeidnia, Mahdiye Mahmood Abadi, Ahmad Reza Gohari. Composition of free and glycosidically bound volatile components of *Achillea tenuifolia* Lam. Root. 2nd National congress on medicinal plants, May, 2013. Tehran, Iran.

8- Mohammad Sharifzadeh, Nastaran Ebadi, **Azadeh Manayi**, Mohammad Kamalinejad, Hossein Rezaeizadeh, Mehran Mirabzadeh, Mahnaz Khanavi. Comparative study of anti-inflammatory effects of *Rubia tinctorum* L. extracts in carrageenan-induced paw edema in rats. 2nd National congress on medicinal plants, May, 2013. Tehran, Iran.

9- Samaneh Heidari, Hossein Mighani, Hamidreza Monsef Esfehiani, **Azadeh Manayi**. Phytochemical investigation of *C. erythraeum* Boiss. First national congress of medicinal herbs and agriculture, September, 2013, Hamedan, Iran.

- 10- **Azdadeh Manayi**, Tahmineh Mirnezami, Soodabeh Saeidnia, Mahnaz Khanavi, Abbas Hadjiakhondi. Investigation of antidiabetic and antioxidant activity of *L. salicaria*. National conference on medicinal plants, November, 2013, Amol, Iran.
- 11- Tahmineh Mirnezami, **Azdadeh Manayi**, Soodabeh Saeidnia, Mahnaz Khanavi, Abbas Hadjiakhondi. Microscopic and phytochemical properties of *L. salicaria*. National conference on medicinal plants, November, 2013, Amol, Iran.
- 12- Mahdiye Kurepaz Mahmoodabadi, **Azdadeh Manayi**, Soodabeh Saeidnia, Ahmad reza Gohari. Investigation of free and glycosidly bound components in *Achillea tenuifolia*. National conference on medicinal plants, November, 2013, Amol, Iran.
- 13- Mahdi Vazirian, Sasha Dianat, **Azdadeh Manayi**, Reza Ziari, Ali Mosazadeh, Emran Habibi, Soodabeh Saeidnia, Yaghob Amanzadeh, Najmeh Mokhber Dezfoli. Investigation of anti-inflammatory of three Basidiomycetes. National conference on medicinal plants, November, 2013, Amol, Iran.
- 14- **Azadeh Manayi**, Samaneh Heidari, Ahmad Reza Goahri, Soodabeh Saeidnia, Hossein Mighani, Hamid Reza Monsef Esfahani. Chemical constituents of *Cymbocarpum erythraeum* (DC.) Boiss. and evaluation of its anti-*Helicobacter pylori* activity. 62nd International congress and annual meeting of the society for medicinal plant and natural product research, 31st August-4th September 2014, Guimaraes, Portugal.
- 15- **Azadeh Manayi**, Mahdi Vazirian, Sahar Omidpanah, Faride Hosseinkhani, Abolfazl Hasseli. Chemical composition and antibacterial activity of essential oil of *Trachyspermum ammi*. 62nd International congress and annual meeting of the society for medicinal plant and natural product research, 31st August-4th September 2014, Guimaraes, Portugal.

Projects

Pharm. D. Thesis (as an assistant)

1- Mahnaz Khanavi, Seyed Naser Ostad, **Azadeh Manayi**, Mana Moshteh, Cytotoxic activity of *Lythrum salicaria* L. on cancer cell lines. Faculty of pharmacy Tehran University of medical science and Tehran University of pharmacy. 2011. (Completed)

2- Mahnaz Khanavi, Seyed Naser Ostad, Ginus Asgarpanah, **Azadeh Manayi**, Mahnaz Lotfi. Cytotoxic activity of *Stachys Laxa* on cancer cell lines. Faculty of pharmacy Tehran University of medical science and Tehran Azad University of pharmacy. 2011. (Completed)

3- Mahnaz Khanavi, Seyed Naser Ostad, Ginus Asgarpanah, **Azadeh Manayi**, Rofedeh Abassi. Cytotoxic activity of *Stachys torcumonica* on cancer cell lines. Faculty of pharmacy Tehran University of medical science and Tehran Azad University of pharmacy. 2011. (Completed)

4- Mahnaz Khanavi, Seyed Naser Ostad, **Azadeh Manayi**, Maryam Majdzadeh. Cytotoxic activity of *Stachys Trinervis*, *Stachys Subaphylla* on cancer cell lines. Faculty of pharmacy Tehran University of medical science and Tehran University of pharmacy. 2011. (Completed)

5- Rasol Dinarvand, Mahnaz Khanavi, **Azadeh Manayi**, Mahbobeh Asemi Ahangar, Comparison of antimicrobial effect of Anethole and its nanoparticles, 2011. (Completed)

6- Rasol Dinarvand, Mahnaz Khanavi, **Azadeh Manayi**, Nikoo Bagheri Tolabi, Comparison of antioxidation effect of *Tribulus tristeris* and its nanoparticles, 2011. (Completed)

7- Rasol Dinarvand, Mahnaz Khanavi, **Azadeh Manayi**, Zahra Ghaedi, Comparison of antimicrobial effect of Carvone and its nanoparticles, 2011. (Completed)

8- Rasol Dinarvand, Mahnaz Khanavi, **Azadeh Manayi**, Mahbobeh Asemi, Comparison of antimicrobial effect of Anethol and its nanoparticles, 2011. (Completed)

9- Mahnaz Khanavi, Mohammad Sharifzadeh, Hossein Rezaeezadeh, Kamalinezhad, **Azadeh Manayi**, Mehran Mirabzadeh, Nastaran Ebadi, Investigation of Anti-inflammatory effect of Madder root, 2011. (Completed)

10- Mahnaz Khanavi, Mohammad Abdolahi, **Azadeh Manayi**, Fatemeh Vafi, Evaluation of ointment of *L. salicaria* and *Hypericum* spp. on the burning, 2012. (completed)

Scientific Research

1- Mahnaz Khanavi, Seyed Naser Ostad, **Azadeh Manayi**. Cytotoxic activity of *Lythrum salicaria* L. components on cancer cell lines, Faculty of pharmacy Tehran University of medical science and Tehran Azad University of pharmacy. 2011. (Completed)

2- Mahnaz Khanavi, Seyed Naser Ostad, **Azadeh Manayi**, Maryam Majdzadeh, Mahnaz Lotfi, Rofeideh Abbasi. Cytotoxic activity of four *Stachys* species on cancer cell lines. Faculty of pharmacy Tehran University of medical science and Tehran University of pharmacy. 2011. (Completed)

3- Mahnaz Khanavi, Abbas Hadjiakhundi, Mohamad Reza Shams Ardekani, Sodabeh Saednia, Mohamad Ali Faramarzi, **Azadeh Manayi**. Phytochemical investigation of *Lythrum salicaria* L. 2011. (Completed)

4- Mahnaz Khanavi, Mohammad Ali Faramarzi, Nasrin Samadi, **Azadeh Manayi**, Mahdi Vazirian. Total Phenol Contents of the Calluses from *Lythrum salicaria* L. in Different Treatments. (2012). (Completed).

DMFs

- 1- **Azadeh Manayi**, Mahdi Vazirian, Iman Vazirian, Abbas Hadjiakhondi, Ali Salaritabar, Arman Moradi. Designing a formulation for treatment of Non-Infectious Diarrhea. (2014). (Under Formulation)

Patent

- 1- **Azadeh Manayi**, Mahdi Vazirian, Iman Vazirian, Atlas Iranian drug Co., Abbas Hadjiakhondi, Ali Salari Tabar. Antidiarrheal tablet from *Lythrum salicaria*. 2013. Iran.
- 2- Sahar Omidpand, **Azadeh Manayi**. Control of *Aspergillus* activity using aqueous extract of thyme as a preservative. 2014. Iran.

Educational activities

- 1- **Rational Therapy of Herbal medicine**, Continuous Education Program for Pharmacists, Urumiye University of Medical Sciences, 2009.
- 2- **Education of Galenic Drugs**, Pharmacy of Razi Hospital, Tehran University of Medical Sciences, 2006-2007.
- 3- **Phytotherapy in Gastrointestinal diseases**, Continuous Education Program for Pharmacists, Tehran University of Medical Sciences, Code: 39302008, Sep 6, 2011.
- 4- **Phytotherapy in Arthritis disease**, Continuous Education Program for Pharmacists, Tehran University of Medical Sciences, 2012.

Professional skills

- 1- **Processing of Medicinal Plants and Industrial Products**, The First National congress on Processing of Medicinal plants and Industrial Products. Mar. 2009, Gorgan, Iran. (No: PG/29/100931)
- 2- **Scientific Writing I**, Student Scientific Research Center, Tehran University of Medical Sciences, Dec. 2008, Tehran, Iran. (No: p/910/9493)

3- **Scientific Writing II**, Student Scientific Research Center, Tehran University of Medical Sciences, Dec. 2008, Tehran, Iran. (No: p/910/9565)

4- **End not Workshop I**, Student Scientific Research Center, Tehran University of Medical Sciences, Dec. 2008, Tehran, Iran.(No: p/910/9569)

5- **End not Workshop II**, Student Scientific Research Center, Tehran University of Medical Sciences, Dec. 2008, Tehran, Iran.

6- **Introduction of Analytical Methods**, Laboratory Research Center of Food and Drug Department, Ministry of Health and Education, Aug. 11-14 & Dec. 1-4, 2008. Tehran, Iran. (No: D/4/TM/287)

7- **SPSS Workshop**, Student Scientific Research Center, Tehran University of Medical Sciences, 2009, Tehran, Iran.

8- **Prevention of H1N1 Influenza Workshop**, Student Scientific Research Center, Tehran University of Medical Sciences, Sep, 2009, Tehran, Iran. (No: P/910/10200)

Memberships

1- Iranian society of Pharmacy (No. 9318).

2- Medical Council of the Islamic Republic of Iran (No. 12709).

3- Student's Scientific Research Center, Tehran University of Medical Sciences (Scientific Critic) (2009-2013).

4- Iranian Society of Pharmacognosy.