

Curriculum Vitae

Homa Hajimehdipoor

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Educations

1999-2004: Ph.D. Student of Pharmacognosy, Department of Pharmacognosy, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

1992-1999: Pharm.D. Student, Faculty of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran.

Thesis

Pharm.D.: Altration of Iontophoretic Percutaneous Absorption of Uncharged Drugs by Charged Carriers. Faculty of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran, 1999, No: 518.

Ph.D.: Phytochemical and Pharmacological Study of *Swertia longifolia* Boiss. Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, 2004, No: 93

Full Papers

1- Hajimehdipour H, Amanzadeh Y, Sadat-Ebrahimi SE and Mozaffarian V. Three Tetraoxygenated Xanthenes from *Swertia longifolia*. *Pharmaceutical Biology*, 2003, 41(7): 497-499.

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10- Hajimehdipoor H., Khanavi M., Shekarchi M., Abedi Z., Pirali Hamedani M. Investigation the best method for extraction of phenolics in *Echinacea purpurea*. *Journal of Medicinal Plants*. 2010, 8(32): 145-152.

11- Vazirian M., Khanavi M., Amanzadeh Y., **Hajimehdipoor H***. Quantization of Gallic acid in Triphala's Three Fruits. *IJPR*. 2011, 10(2): 233-236.

12- Shekarchi M., **Hajimehdipoor H***, Khanavi M., Adib N., Bozorgi M., Akbari-adergani B., Pirali Hamedani M. A Validated Method for Analysis of Swerchirin in *Swertia longifolia* Boiss. by High Performance Liquid Chromatography. *Pharmacognosy Magazine*, 2010, 6(21): 13-18.

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23. Purification and structure elucidation of *Swertia longifolia*. Payame Noor University, Leila Ara, 1393.

24. Investigation of antioxidant and cytotoxic effects of *Centaurea aucheri*, *C. albonites*, *C. pseudosacabiosa* on MDBK, HepG2, A549, HT29 and MCF7 cell lines and determining the most effective fraction. Asra Bandidarian. Pharmaceutical Sciences Branch. Islamic Azad University. 1392.

25. Investigation of cytotoxic effects of *Ferula persica* var. *persica* on MDBK, HepG2, A549, HT29 and MCF7 cell lines and determining the most effective fraction. Morteza Jafari Anaraki. Pharmaceutical Sciences Branch. Islamic Azad University. 1390.

26. Investigation of cytotoxic effects of *Ferula hezarlalezarica* on MDBK, HepG2, A549, HT29 and MCF7 cell lines and determining the most effective fraction. Azadeh Ramezani. Pharmaceutical Sciences Branch. Islamic Azad University. 1390.

27. Formulation of a topical product based on traditional medicine from *Curcuma* and investigating its effect on Arthritis of rat model. Saleh Omid Malayeri. Pharmaceutical Sciences Branch. Islamic Azad University. 1390.

28. Investigating AChEI, cytotoxic and antioxidant effects of *Padina australis* and *P. tetrastratica*. Helia Soleimani. Pharmaceutical Sciences Branch. Islamic Azad University. 1392.
29. Investigation of antioxidant and cytotoxic effects of *Ferula oopoda*, *F. szowitsiana*, *F. hirtella* on MDBK, HepG2, A549, HT29 and MCF7 cell lines and determining the most effective fraction. Farzaneh Fotoohi. Pharmaceutical Sciences Branch. Islamic Azad University. 1391392.
30. Synergistic effects of *Thymus vulgaris*, *Mentha piperita*, *Eucalyptus glubolus*, *Rosmarinus officinalis*, *Lavandula angustifolia*, *Cuminum cyminum* essential oils against *Aspergillus niger* and *Candida albicans*. Hamid Moghimpoor. Pharmaceutical Sciences Branch. Islamic Azad University. 1390.
31. AChEI effects of some medicinal plants used in Iranian Traditional Medicine for dementia. Tina Tehranifar. Pharmaceutical Sciences Branch. Islamic Azad University. 1392.
32. Formulation of a topical dosage form for burn based on ITM and evaluating its effects on burn rat model. Shirin Fahimi. SBMU. 1393.
33. Comparison of the effect of a product from Traditional medicine with Metformin on oligomenorrhea in polycystic ovary syndrome (Clinical trial). Maryam Bahman. SBMU. 1393.

Research Consaltant in the Following Theses

- 1- Formulation of Roll-on Deoderant of *Rosmarinus officinalis* Oil Masoumeh Mohammadi. Faculty of Pharmacy, Tehran Uviversity of Medical Sciences.
- 2- Formulation of antiperspirant stick by using *Salvia officinalis* extract. Elahe Hooshmand. Faculty of Pharmacy, Tehran University of Medical Sciences. 1381-82, No. 4407.
- 3- Investigation of Essential Oil and Water of *Fumaria parviflora*. Nasim Dast Baz. Faculty of Pharmacy , Tehran Uviversity of Medical Sciences.
- 4- Investigation of Essential Oil and Water of *Citrus aurantium* Flowers. Zahra Alhani. Faculty of Pharmacy , Tehran University of Medical Sciences.

- 5- Composition of essential oil of *Thymus kotchyanus* obtained by hydrodistillation and microwave oven distillation. Mariya Fathi. Faculty of Pharmacy , Tehran University of Medical Sciences.
- 6- Phytochemical study and standardization of trifala. Mehdi Vazirian. 2007. Faculty of Pharmacy , Tehran University of Medical Science.
- 7- Cytopatologic effect of *Crocus sativus* in cell culture. Mohsen Esmaeali Hezarrood. Pharmaceutical Sciences Branch, Islamic Azad University. 1388-89, No. 2005.
- 8- Antifungal effects of *Thymus vulgaris* on *Aspergillus flavus*, *A. niger* and *Candida albicans* by MIC method in microplate. Baharak Esmaeali Ahmadabadi. Pharmaceutical Sciences Branch , Islamic Azad University. 1387-88, No. 1817.
- 9- Effects of *Melisa officinalis* extract on Alzheimer in rat. Zahra Vatandoost. Pharmaceutical Sciences Branch , Islamic Azad University.
- 10- Cytopathologic effect of *Eugenia caryophyllata* extracts and essential oil on Hella, Vero and Hep2 cell lines. Vahideh Matahharinia, Pharmaceutical Sciences Branch, Islamic Azad University. 1387-88, No. 1905.
- 11- Cytopathologic effect of *Zataria multiflora* essential oil on Hella, Vero and Hep2 cell lines. Iida Javadi, Pharmaceutical Sciences Branch, Islamic Azad University. 1388-89, No. 1974.
- 12- Investigation of mutagenic and anti-mutagenic effects of *Lavandula angustifolia* and *Elettaria cardamomum* essential oil by Ames test. Kimia Sadat Mirdamadi. Islamic Azad University, 1388-1389. No. 2033.
- 13- Investigation of cytotoxic effects of *Glycyrrhiza glabra* from 11 region of Iran on Hep2, Hela and Vero cell lines. Marjan Imami. Islamic Azad University, Pharmaceutical Sciences Branch. 1388-1389, No. 2039.
- 14- Investigation of Mutagenicity effect of *Thymus vulgaris* essential oil by Ames and S9 tests. Zahra Alizadeh. Islamic Azad University, Pharmaceutical Sciences Branch. 1388-1389, No. 2031.

- 15-** Protective effects of *Melissa officinalis* extract on cytotoxicity and oxidative stress induced by beta amiloid peptide in PC12 cells. Mohammad Reza Sepand. Faculty of Medical Sciences. Tarbiyat Modarres University. 1389-90.
- 16-** Sensitivity of common bacteria involved in VAP infections to some antibiotics and *cinnamon zeylanicum*, *Thymus vulgaris*, *Zataria multiflora* essential oils. Pharmaceutical Sciences Branch. Islamic Azad University, Hamed Bahrami. 1389-90.
- 17-** Study of acetyl cholinesterase inhibitory effects of *Stachys inflata*, *Phlomis lanceolata* and *Otostegia persica*. Pharmaceutical Sciences Branch. Islamic Azad University, Negin Khayyat Hesari, 1389-90.
- 18-** The effect of sour tea consumption (*Hibiscus sabdariffa* L.) on the lipid profile in dyslipidemic subjects. The International branch of Shahid Beheshti university of Medical Sciences, Farihe Ahmadzaded Sani, 1391-1392.
- 19-** Protective effects of *Sanguisorba minor* and *Ferulago angulata* on cytotoxicity and oxidative stress induced by A β on rat. Tarbiat Modarres University. Shole Akbari. 1395.
- 20-** Chemical composition and antibacterial activity of *Echinophora platyloba* and liquid smoke alone and in combination against *Staphylococcus aureus*. Zahra Pilevar. Faculty of Nutrition Sciences, Food Sciences and Technology, SBMU, 1394.
- 21-** Quantitative determination of chicoric acid and caftaric acid in aerial parts and roots of *Echinacea purpurea* in different seasons and years. Arezoo Roostaei. TUMS. 1390.
- 22-** Comparative study on *Nepeta menthoides* essential oil obtained by hydrodistillation and microwave extraction. Mahtab Samadi. Azad University (Tehran). 1390.
- 23-** Identification of *Cuscuta* species based on traditional medicine data via ethnobotanical and phytochemical methods on popular market and natural specimens. Leili Abdi. TUMS. 1392.

- 24- Survey on oral ingestion of *Nigella sativa* L. in relieving clinical signs& symptoms of knee osteoarthritis: a randomized double-blind placebo-controlled clinical trial. Anahita Ghourchian. 1395.
- 25- The Effect of vaginal product of *Descurainia Sophia*- Honey derived from Iranian traditional medicine on clinical and laboratory in patients with cervicitis. RaziyeH Nabi. 1393.
- 26- The Effect of Maa-al-shaeer (An Iranian Traditional Medicine product) on treatment of allergic rhinitis in comparison with fexofenadine. Alireza Derakhshan. 1394.
- 27- Compare the effect of *Nigella Sativa* oil soft gel and placebo on oligomenorrhea and amenorrhea in patients with polycystic Ovarian Syndrome. Atiyeh Naeemi. 1394.
- 28- Effect of apple-quince syrup on migraine headache. Ahmad Karimi. 1394.
- 29- Efficacy of "*Linum usitatissimum*" seed topical oil on clinical sign knee osteoarthritis, a randomized double-blind placebo-controlled clinical trial. Nematollah Masoodi. 1394.

Grants

- 1- "Phytochemical Study of *Swertia longifolia* Boiss." TUMS, 2003.
- 2- "Hepatoprotective Effects of *Swertia longifolia* Boiss." TUMS, 2003.
- 3- "Standardization of Itrifala herbs imported to Iran" TUMS, 2005.
- 4- "Phytochemical investigation and standardization of endemic Iranian almonds (*Amygdalus spp.*), TUMS, 2005.
- 5- "New method of standardization and identification of Sesame oil free fatty acids." TUMS, 2006.
- 6- "Phytochemical investigation and therapeutic evaluation of Iranian liquorice from different locations" TUMS, 2005.
- 7- "Quantitative determination of aucubin in *Vitex agnus castus* L. by TLC densitometry method and validation of the method", Medicinal Plants Research Center, Faculty of Pharmacy, TUMS, 2007.

- 8- "Evaluation of antinociceptive properties of *Ocimum basilicum* L. extract in mice" TUMS, 2007.
- 9- "Differential identification of *Passiflora incarnata*, *P. edulis*, *P. caerulea* in plants and different preparations." TUMS, 2005.
- 10- "Identification of *Thymus spp.* in raw herbs and herbal drugs of Iranian markets" TUMS, 2005.
- 11- Vice-Chancellor for Research, "Investigation of antioxidant activity of different types of *Phoenix dactylifera* L. fruits" TUMS, 2007.
- 12- "Quantitation of azarirachtin in *Melia indica* and *Melia azedarach* seeds" TUMS, 2009.
- 13- Vice-Chancellor for Research, "Investigation of best method for extraction of phenolic compounds in *Echinacea spp.*" TUMS, 2009
- 14- "Quantitation of Pb and Cd in C-lax tablets and validation of the method", Faculty of pharmacy Shaheed Beheshti University of Medical Sciences, 2009.
- 15- "Quantitation of labiatic acid in some plants belong to Labiatea family" medicinal plants Research Center, Faculty of pharmacy, TUMS, 2009.
- 16- "Screening of effective plants on Alzheimer disease" medicinal plants Research Center, Faculty of pharmacy, TUMS, 2009.
- 17- "Investigation of some biologic activities of *Swertia longifolia*", Traditional Medicine and Materia Medica Research Center, SBMU, 2010.
- 18- "Investigation of acetylcholinesterase inhibitory effects of some plants of *Ferula* genus", Traditional Medicine and Materia Medica Research Center, SBMU, 2011.
- 19- "Investigation of synergistic effects of some phenolic and flavonoid compounds in antioxidant properties" Traditional Medicine and Materia Medica Research Center, SBMU, 2011.
- 20- "Formulation of an ointment from *Curcuma longa* extract and lecithine and investigation of its efficacy in inflammation model in rat". School of Traditional medicine, SBMU, 2011.
- 21- "Formulation of a topical dosage form for burns based on Iranian Traditional Medicine references and investigation of its efficacy in burn model in rat. School of Traditional medicine, SBMU, 2011.

- 22- “Formulation of a topical dosage form for wound healing based on Iranian Traditional Medicine
- 23- references and investigation of its efficacy in wound model in rat”. School of Traditional medicine, SBMU, 2012.
- 24- “Investigation of cytotoxic, antioxidant and acetylcholinesterase inhibitory effects of 56 plants collected from Kohgiluyeh and Boyer-Ahmad province” . SBMU, 2012.
- 25- “Extraction and structure elucidation of secoiridoid compounds from *Swertia longifolia*”. Traditional Medicine and Materia Medica Research Center, SBMU, 2013.
- 26- “Extraction and structure elucidation of triterpenoid and steroid compounds from *Swertia longifolia*”. Traditional Medicine and Materia Medica Research Center, SBMU, 2013.
- 27- “Formulation of a topical product for *Sayalan-e rahem* based on ITM and quality control of the product”. School of Traditional Medicine, SBMU, 2016.
- 28- “Formulation of Itrif-e moghl tablet and quality control of the product”. Traditional Medicine and Materia Medica Research Center, SBMU, 2016.
- 29- “The effect of processing with vinegar on phytochemistry and biological effects of *Capparis spinosa* fruits”. Traditional Medicine and Materia Medica Research Center, SBMU, 2016.
- 30- “Investigation of Iyaraj in ITM and formulation of Iyaraj fighra tablets”. School of Traditional Medicine, SBMU, 2014.
- 31- Investigating the effect of processing with vinegar on thymoquinone of *Nigella sativa*. Traditional Medicine and Materia Medica Research Center, SBMU, 2016.
- 32- Stability study of *Monzig-e soda* capsules. Traditional Medicine and Materia Medica Research Center, SBMU, 2014.
- 33- Formulation of *Prunus domestica* syrup. Faculty of Traditional Medicine, SBMU, 2014.
- 34- The effects of *Nigella sativa* on knee osteoarthritis. Faculty of Traditional Medicine, SBMU, 2014.

Professional Backgrounds

2005-2010: Head of Herbal Drugs Department, Food and Drug Control Laboratories, MOH & ME, Tehran, Iran.

2014-up to now: Head of Traditional Pharmacy Department, School of Traditional Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

2012-up to now: Head of The Iranian Society of Pharmacognosy.

Research Interests

- 1- Quality Control and Standardization of Herbal Medicines.
- 2- Formulation of Traditional Medicines.