



Kerman University
of Medical Sciences

Curriculum Vitae

First Name last name (Pharm. D., Ph.D.)

Update (20.Sep.2020)



Name: Fariba Sharififar

Place & Date of Birth: 26.08.1962, Kerman, Iran

Nationality: Iranian

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Work Address:

Department of Pharmacognosy, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

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Education:

➤ **Ph.D. (1988-2002)**

Department of Pharmacognosy, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

➤ **Pharm D. (1980-1988)**

Faculty of Pharmacy, Isfahan University of Medical Sciences, Isfahan, Iran

Ph. D. Thesis:

- 2002 Evaluation of antioxidant activity and free radical scavenging activity of some higher medicinal plants and identification of their major compounds

Pharm. D. Thesis:

- 1988 Study of changes of pattern of aminoacids in Hyperthyroidism and Hypothyroidism in rat in growth periods.

Societies Memberships:

- Education chancellor (2009-2011)
- Head of Department of Pharmacognozy , Kerman University of Medical Sciences, Kerman, Iran (1989-1997)(2006-2008)(2010-Present)
- Chairman of EDO (2005-2010)

Thesis advisor:

- 2015 The effect of green tea consumption in controlling postoperative pain to increase crown length
- 2008 Investigation of inhibitory properties of some plant extracts on glycosidase enzymes and study of the effect of five extracts effective on alpha glucosidase enzyme on hypoglycemia in healthy and diabetic rats
- 2008 In vitro evaluation of the antimicrobial effect of methanolic extracts of ten medicinal plants as an intra-canal drug on common and resistant microorganisms of the canal
- 2008 Evaluation of anti-leishmaniasis effects of plant extracts by in vitro colorimetric method
- 2009 Investigation of surface activating effects of aqueous extract of three medicinal plants Angelica, tarragon and cumin on biological membranes using erythrocyte model
- 2010 Investigation of inhibitory properties of some plant extracts on 3-hydroxy-3-methylglutaryl-CoA reductase and pancreatic enzymes and study of the effect of two extracts on lowering cholesterol and blood triglycerides in hyperlipidemic rabbits
- 2011 Ex vivo evaluation of the antimicrobial effect of chlorhexidine 2 calcium hydroxide and its methanolic extract Caliptus and case as a drug within the root canal on Enterococcus faecalis
- 2013 Evaluation of the effect of 5 samples of Zataria multiflora thyme, case plant, green tea leaf, portulaca oleracea on wound healing in intraoral rats
- 2016 An in vitro effect of some medicinal plants extracts (Calotropis procera, querus velutina & nicotina tobacco) on the leishmania tropica

- 2018 The comparison effect of dill " *Anethum graveolens* L. " products on traditional medicine base with clotrimazole cream %¹ on vaginal candidiasis in women whom visited at gynecology clinic of Kerman afzalipour hospital in 1394- 95
- 2018 Investigation & comparison of curcumin & liposome encapsulated curcumin on cadmium testicular toxicity in mice
- 2018 Evaluation Of Maximom Safe Dose Of Fennel (*Foeniculum vulgare* Mill) Fruits Extract On The Limbal Stem Cells Of The Eye
- 2018 Comparison of typical and bayesian intraclass correlation coefficient and its application in scores of students in Kerman University of Medical Sciences
- 2019 Comparing the effect of aromatherapy with lavender and Clary sage on percutaneous nephrolithotomy postoperative pain, hemodynamic status, nausea and vomiting in Bahonar Hospital of Kerman in 2018
- 2019 Evaluation of antifungal activities of *Salvia rhytidea* Benth fractions against various *Candida* isolates
- 2019 Inhibitory effects of standardized extract and different fractions of (*Nigella sativa* L.) on susceptible and resistant nystatin *Candida albicans*
- 2019 Antifungal effects of different fractions isolated from standardized extract of *Myrtus communis* L. on nystatin-resistant and susceptible *Candida albicans* strains
- 2020 The study of protective effects of hydroalcoholic extract of flax seed and fennle, in combination and alone, on ovarian follicle reserve and theexpression of vital and dead ovarian factors in mice offspring
- 2020 Effect of Persian medicine herbal compound (based on *Plantago ovata* forsk) on the prevention and treatment of oral mucositis in patients with breast cancer receiving adriamycin: A double-blind, randomized, controlled crossover clinical trial study

Thesis Supervisors:

- 1993 Phytochemical study and anti-itching effects of *Citrus bigardia* orange
- 1993 Collection, identification and preliminary study of pharmacognosy of medicinal plants in Kerman province
- 1994 Collection, Identification, Phytochemical Study and Comparison of Thinlayer Chromatography of Cultivated Plant Species in Kerman Province
- 1994 Extraction of pectin and determination of its amount by polarimetric method
- 1994 Morphological and phytochemical study of *Kratagus* species in the flora of Kerman province
- 1994 Collection, identification and preliminary study of pharmacognosy of medicinal plants in

Kerman province (Dehkordi).

- 1994 Phytochemical study and inhibitory effect of plants: yarrow, chamomile, wormwood, mint, marigold and jujube on the activity of liver enzymes: AST, ALT, ALP
- 1995 Preliminary morphological and phytochemical study of *Bunium persicum* (Cumin)
- 1995 Isolation of plant naphthoquinone derivatives and comparison of their effects on prothrombin time (PT)
- 1996 Evaluation of hypoglycemic effects in diabetic and healthy rats by *Teucrium polium* extract and histopathological effects of plant extract on the pancreas of diabetic rats
- 1996 Evaluation of analgesic effects of black pepper methanolic extract by tail-flick method in mice
- 1996 Evaluation of analgesic effects of black pepper methanolic extract (*Piper nigrum*) by formalin test of mice
- 1996 Phytochemical study and ultraviolet spectroscopy of acacia leaf flavonoids
- 1996 Evaluation of analgesic effects of clove methanolic extract on mice by TAIL-FLICK method
- 1996 Evaluation of analgesic effect of methanolic extract of ginger rhizome by formalin test on mice
- 1996 Phytochemical study and ultraviolet spectroscopy of acacia flower flavonoids
- 1997 Evaluation of analgesic effects of methanolic extract of *Glycyrrhiza glabra* root by Formalin Tests
- 1997 Phytochemical study and ultraviolet spectroscopy of acacia leaf flavonoids
- 1997 Evaluation of analgesic effect of methanolic extract of lemon balm by tail-flick method in mice
- 1997 Phytochemical study and UV spectroscopy study of flavonoids of Lemongrass plant in Kerman
- 1997 Extraction of naphthoquinone juglon from walnut leaves and evaluation of its coagulation effect by INVITRO on blood coagulation time of PT
- 1997 Ultraviolet spectroscopic study of flavonoids of Lemongrass *Medical officinalis*
- 1997 Ultraviolet spectroscopic study of flavonoids of Lemongrass *Medical officinalis*
- 1998 Evaluation of analgesic effects of henna methanolic extract by tail flick method in mice
- 1998 Evaluation of analgesic effect of methanolic extract of *Teucrium* plant by formalin test in mice
- 1998 Evaluation of analgesic effect of methanolic extract of *Teucrium* plant by tail flick method on mice

- 1998 Evaluation of analgesic effects of lemongrass methanolic extract by Formalin test in mice
- 1998 Investigation of antifungal effect of different fractions of methanolic extract of plant leaves
- 1998 Investigating the effect of Lanson sunscreen and the formulation of 3 sunscreens
- 1999 Analgesic effect of methanolic extract of lumbar disc (*Anacardium Occidentale*) by tail-flick and formalin method in mice
- 2001 Ultraviolet spectroscopy study of Teucrium Polium flavonoids
- 2005 Phytochemical study and antimicrobial effects of essential oils and various extracts of *Zhumeria majdae* Rech on six bacterial strains
- 2005 Phytochemical study and antimicrobial effects of essential oils and various extracts of *Zataria multifora* Boiss
- 2006 Evaluation of cytotoxicity of essential oils and various extracts of *Heracleum persicum* Desf.ex fischer and *Zingiber officinale* Rosc plants by saltwater shrimp toxicity test and isolation of its effective fraction (s)
- 2008 Evaluation of the effect of mannolic extract of yarrow, tricolor violet, poppy, fenugreek on acute inflammation of carrageenan and acute pain in the hot plate model and providing a suitable topical formulation
- 2008 Determination of tyrosinase inhibitory effect and antioxidant of methanolic extract of five medicinal plants by in vitro method
- 2008 Evaluation of antimicrobial and antioxidant effects of monoterpenes 1 and 8 cineole, limonene, myrsen, linalool and sabinen
- 2008 Evaluation of immunomodulatory effect of aqueous extracts of two medicinal plants *Heracleum persicum* Desf. ex Fischer & *Achillea wilhelmsii* C. Koch
- 2008 Evaluation of antimicrobial and antitumor effects of four fractions isolated from *Angelica Heracleum persicum* Dest. ex Ficher and cinnamon *Cinnamomum zeylanicum* by potato disk method
- 2009 Evaluation of moisturizing effect of methanolic extract of five medicinal plants incorporated in cream bases by two methods : extensiometry and impedance
- 2009 Comparison of phytochemistry of valerian root and rhizome in the market and *Valeriana sisymbriifolia* Vahl. Growing case in Kerman province in terms of the presence of valeric acid and valpotriates in comparison with *Valeriana officnalis* L.
- 2009 Evaluation of the surface activating effects of aqueous extract of three medicinal plants of borage, prickly pear and fenugreek on biological membranes using erythrocyte model
- 2009 Study of tyrosinase enzyme kinetics in the presence of methanolic and aqueous extracts of mazo, halibut and flaxseed
- 2009 Formulation of fenugreek herbal strengthening and conditioning shampoo and evaluation of its physicochemical parameters

- 2009 In vitro evaluation of acetylcholinesterase inhibitory, antioxidant and cytotoxic effects of 8 medicinal plants
- 2009 Evaluation of analgesic effects of fenugreek seed methanolic extract and major fractions isolated from it
- 2009 Evaluation of analgesic effect of Qavoot Kermani with Hot plate and Tail flick formalin tests in mice
- 2010 Herbal hair strengthening lotion formulation
- 2010 Formulation of herbal lotion against petrosporum oval fungi of a combination of three medicinal plants *Matricaria aurea* (Loefl.) Schultz Bip. *Fumaria parviflora* Lam. *Salvia rhytidea* Benth
- 2010 Evaluation of anticonvulsant effects, acute toxicity and motor toxicity of methanolic extracts of three native Iranian medicinal plants in PTZ chemical and electrical seizure models of MES
- 2010 Inhibitory effect of methanolic extract of some plants on acetylcholinesterase
- 2010 Evaluation of anti-mutagenicity of different fractions of 3 medicinal plants: cumin, eucalyptus and marjoram by Ames method
- 2010 Evaluation of the effect of chronic contact of *Trigonella foenum-graceum* plant extract on insulin secretion from insulinoma cell line
- 2010 Investigation of anti-mutagenic properties of different fractions of 3 medicinal plants by Ames method
- 2010 Determining the anti-anxiety effect of Qavoot Kermani by Elevated Zero Maze method orally in mice
- 2010 Evaluation of anticonvulsant effects, acute toxicity and neurotoxicity of *Bunium persicum*. Boiss essential oil in PTZ chemical seizure models and MES electrical
- 2010 Evaluation of acute contact of *Trigonella Foenum graecum* extract on insulin secretion from insulinoma cell line
- 2010 Evaluation of anti-inflammatory effects of methanolic extract of fenugreek seed and major fractions isolated from it
- 2010 In vitro anti *Helicobacter pylori* activity of ethanolic extract and essential oils of twelve medicinal plants
- 2011 In vitro evaluation of antacetylcholinesterase and antioxidant activity of essential oil and major fractions of ethanolic extract of *Salvia rhytidea* Benth
- 2011 Formulation of toothpaste against tooth decay using case plants and green tea
- 2011 Evaluation of acetylcholinesterase inhibitory activity of *Salvia rhytidea* Benth in mice
- 2012 Evaluation of anticonvulsant effects, acute toxicity and neurotoxicity of essential oils of *Zhumeria majdae* Rech. And *Zataria multiflora* Boiss in PTZ chemical and electrical models of

MES

- 2012 Isolation of *Terminalia chebula* Retz fragment (s) with tyrosinase inhibitory activity
- 2012 In vitro evaluation of the effects of anticholinesterase, antioxidant and antimicrobial essential oils and major fractions of methanolic extract of *Zataria multiflora* Boiss

Publications: Books:

1. . Pharmacognosy and Phytotherapy Fundamentals (Translation)

Articles: (sort: new)

- [1] Sharififar F, Derakhshanfar A, Dehghan-Nudeh G, et al. In vivo antioxidant activity of zataria multiflora boiss essential oil. Pak. J. Pharm. Sci. 2011;24.
- [2] Mohamadi N, Pournamdari M, Sharififar F, et al. Simultaneous spectrophotometric determination of trigonelline, diosgenin and nicotinic acid in dosage forms prepared from fenugreek seed extract. Iran. J. Pharm. Res. 2020;19:153–159.
- [3] Hasheminasab FS, Hashemi SM, Dehghan A, et al. Effects of a Plantago ovata-based herbal compound in prevention and treatment of oral mucositis in patients with breast cancer receiving chemotherapy: A double-blind, randomized, controlled crossover trial. J. Integr. Med. 2020;18:214–221.
- [4] Darvishmoghadam S, Ansari M, Ahmadipour H, et al. Assessment of the effect of sachet formulation of almond (*Amygdalus dulcis* L.) on diarrhea prominent irritable bowel syndrome (IBS-D) symptoms: A clinical trial. Complement. Ther. Med. 2019;45:242–247.
- [5] Sheibani V, Mandegary A, Vazifekhan E, et al. Zataria multiflora Boiss. extract improves spatial memory and learning capacity in scopolamine-induced amnesic rats. Avicenna J. phytomedicine. 2019;9:587–596.
- [6] Shamsimeymandi R, Pourshojaei Y, Eskandari K, et al. Design, synthesis, biological evaluation, and molecular dynamics of novel cholinesterase inhibitors as anti-Alzheimer's agents. Arch. Pharm. (Weinheim). 2019;352:e1800352.
- [7] Saedi Dezaki E, Mahmoudvand H, Sharififar F, et al. Chemical composition along with anti-leishmanial and cytotoxic activity of Zataria multiflora. Pharm. Biol. [Internet]. 2016 [cited 2019 Feb 14];54:752–758. Available from: <http://www.tandfonline.com/doi/full/10.3109/13880209.2015.1079223>.
- [8] Ansari M, Sadeghi P, Mahdavi H, et al. Fenugreek dermal patch, a new natural topical antinociceptive medication for relieving the postherniotomy pain, a double-blind placebo controlled trial. J. Complement. Integr. Med. 2019;4–11.
- [9] Ansari M, Mandegary A, Mosalanejhad N, et al. Nigella sativa L., supplementary plant with anticholinesterase effect for cognition problems: A kinetic study. Curr. Aging Sci. 2019;12:1–7.
- [10] Saduqi M, Sharifi I, Babaei Z, et al. Anti-leishmanial and immunomodulatory effects of epigallocatechin 3-o-gallate on leishmania tropica: Apoptosis and gene expression profiling. Iran. J. Parasitol. 2019;14:521–533.
- [11] Samareh Fekri M, Poursalehi HR, Sharififar F, et al. The effects of methanolic extract of Glycyrrhiza glabra on the prevention and treatment of bleomycin-induced pulmonary fibrosis in rat: experimental study. Drug Chem. Toxicol. 2019;1–7.
- [12] Hakemi SG, Sharififar F, Haghpahan T, et al. The effects of olive leaf extract on the testis, sperm quality and testicular germ cell apoptosis in male rats exposed to busulfan. Int. J. Fertil. Steril. 2019;13:57–65.

- [13] Taheri F, Sepehri G, Sheibani V, et al. Amelioration of Prenatal Lead-Induced Learning and Memory Impairments by Methanolic Extract of *Zataria Multiflora* in Male Rats. *Bcn.Iums.Ac.Ir* [Internet]. 2019;10:175–184. Available from: http://bcn.iums.ac.ir/browse.php?a_id=927&slc_lang=en&sid=en&ftxt=1&html=1.
- [14] Sharififar F, Derakhshanfar A, Dehghan-Nudeh G, et al. In vivo antioxidant activity of *zataria multiflora* boiss essential oil. *Pak. J. Pharm. Sci.* 2011;24.
- [15] Mohamadi N, Pournamdari M, Sharififar F, et al. Simultaneous spectrophotometric determination of trigonelline, diosgenin and nicotinic acid in dosage forms prepared from fenugreek seed extract. *Iran. J. Pharm. Res.* 2020;19:153–159.
- [16] Hasheminasab FS, Hashemi SM, Dehghan A, et al. Effects of a *Plantago ovata*-based herbal compound in prevention and treatment of oral mucositis in patients with breast cancer receiving chemotherapy: A double-blind, randomized, controlled crossover trial. *J. Integr. Med.* 2020;18:214–221.
- [17] Darvishmoghdam S, Ansari M, Ahmadipour H, et al. Assessment of the effect of sachet formulation of almond (*Amygdalus dulcis* L.) on diarrhea prominent irritable bowel syndrome (IBS-D) symptoms: A clinical trial. *Complement. Ther. Med.* 2019;45:242–247.
- [18] Sheibani V, Mandegary A, Vazifekhan E, et al. *Zataria multiflora* Boiss. extract improves spatial memory and learning capacity in scopolamine-induced amnesic rats. *Avicenna J. phytomedicine.* 2019;9:587–596.
- [19] Shamsimeymandi R, Pourshojaei Y, Eskandari K, et al. Design, synthesis, biological evaluation, and molecular dynamics of novel cholinesterase inhibitors as anti-Alzheimer's agents. *Arch. Pharm. (Weinheim).* 2019;352:e1800352.
- [20] Saedi Dezaki E, Mahmoudvand H, Sharififar F, et al. Chemical composition along with anti-leishmanial and cytotoxic activity of *Zataria multiflora*. *Pharm. Biol.* [Internet]. 2016 [cited 2019 Feb 14];54:752–758. Available from: <http://www.tandfonline.com/doi/full/10.3109/13880209.2015.1079223>.
- [21] Ansari M, Sadeghi P, Mahdavi H, et al. Fenugreek dermal patch, a new natural topical antinociceptive medication for relieving the postherniotomy pain, a double-blind placebo controlled trial. *J. Complement. Integr. Med.* 2019;4–11.
- [22] Ansari M, Mandegary A, Mosalanejhad N, et al. *Nigella sativa* L., supplementary plant with anticholinesterase effect for cognition problems: A kinetic study. *Curr. Aging Sci.* 2019;12:1–7.
- [23] Saduqi M, Sharifi I, Babaei Z, et al. Anti-leishmanial and immunomodulatory effects of epigallocatechin 3-o-gallate on *leishmania tropica*: Apoptosis and gene expression profiling. *Iran. J. Parasitol.* 2019;14:521–533.
- [24] Samareh Fekri M, Poursalehi HR, Sharififar F, et al. The effects of methanolic extract of *Glycyrrhiza glabra* on the prevention and treatment of bleomycin-induced pulmonary fibrosis in rat: experimental study. *Drug Chem. Toxicol.* 2019;1–7.
- [25] Hakemi SG, Sharififar F, Haghpanah T, et al. The effects of olive leaf extract on the testis, sperm quality and testicular germ cell apoptosis in male rats exposed to busulfan. *Int. J. Fertil. Steril.* 2019;13:57–65.
- [26] Taheri F, Sepehri G, Sheibani V, et al. Amelioration of Prenatal Lead-Induced Learning and Memory Impairments by Methanolic Extract of *Zataria Multiflora* in Male Rats. *Bcn.Iums.Ac.Ir* [Internet]. 2019;10:175–184. Available from: http://bcn.iums.ac.ir/browse.php?a_id=927&slc_lang=en&sid=en&ftxt=1&html=1.

Teaching Experiences:

1. Medicinal plants

Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran

2. Pharmacognosy

Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran

3. Phytochemistry

Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran

4. Traditional medicine

Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran

5. Fundamentals of phytotherapy

Faculty of Traditional medicine, Kerman University of Medical sciences, Kerman, Iran

6. Ethnobotany

Faculty of Traditional medicine, Kerman University of Medical sciences, Kerman, Iran

7. Quality control

Faculty of Traditional medicine, Kerman University of Medical sciences, Kerman, Iran

Interests:

- Art (music, poetry), book reading, sport