

EMRAN HABIBI

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EDUCATION:

Tehran University of Medical Sciences (2009-2014)

Ph.D (Pharmacognosy and Herbal Medicine)

Dissertation: Evaluation of Chemical Composition of *Trametes Versicolor* P.Karst Collected from Mazandaran Province

Dissertation Supervisors: Prof. Yaghoub Amanzade, Prof. Esmaeil Sadat Ebrahimi.

Mazandaran University of Medical Sciences (2003-2009)

Pharm. D, Doctorate of Pharmacy

Thesis: The Effect of *Diospyros lotus* Fruit Extract On Favism Disease and Comparison of Its with Vitamin E

Thesis Supervisors: Prof. Mohammad Azadbakht, Prof. Seyed Jalal Hoseinimehr, Prof. Mohammad Shokrzadeh.

PROFESSIONAL SERVICE:

The Deputy of Research, Faculty of Pharmacy, Mazandaran University of Medical Sciences (2017-2021)

TEACHING & ADVISING EXPERIENCE:

- **Instructor&Lecturer, Mazandaran University of Medical Sciences, Faculty of Pharmacy (2014-present)**
Courses: Pharmacognosy I & II, Herbal Medicines, Pharmacognosy-Lab, Instrumental Analytical Methods, Phyto-Therapy (Pharm.D and Ph.D students).
- **Supervising Undergraduate Dissertations and Student Assessment**

RESEARCH INTERESTS:

Herbal Medicines, Medicinal Plants&Mushrooms, Natural Products, Phyto-Therapy, Isolation of Secondary Metabolites, Elucidation of the structures, Chromatography and Phyto-Chemical Analytical Methods, Biological and Pharmacological Effects of Herbal Medicines.

RESEARCH EXPERIENCE:

- Designed and Conducted Up to 20 Research Projects Related to Pharmacognosy, Secondary Metabolite Isolation, Phyto-Therapy and Herbal Medicines Approved by the Mazandaran University of Medical Sciences Research Center and Published in Valid Scientific Journals, 2014-2021.
- Supervised Up to 30 Pharm.D Dissertations, Faculty of Pharmacy, Mazandaran University of Medical Sciences, 2014-2021.
- Supervised 3 Ph.D Theses, Faculty of Pharmacy, Mazandaran University of Medical Science, 2014-2021.

PUBLICATIONS:

- Protective Effect of Hydro-Alcoholic Extract of *Melissa Officinalis* L. on Ethanol-Induced Testicular Toxicity in Wistar Rats. *Journal of Mazandaran University of Medical Sciences*. 2021; 31 (202), 13-24. (in Persian)
<http://jmums.mazums.ac.ir/article-1-16989-en.html>
- Protective Effect of Hydro-Alcoholic Extract of *Aloysia citriodora* Against Ethanol-Induced Hepatotoxicity in Male Wistar Rats via Assessment of Inflammatory and Oxidative Stress Markers. *Pharm Biomed Res* (2021);7(3), 171-181. <http://pbr.mazums.ac.ir/article-1-377-en.html>

- Anti-Microbial Potential of Nano-Emulsion Form of Essential Oil Obtained from Aerial Parts of *Origanum Vulgare* L. As Food Additive. *Advanced Pharmaceutical Bulletin*. (2021);11(2): 327–334. <https://doi.org/10.34172/apb.2021.028>
- Pulmonoprotective Action of *Zataria multiflora* Ethanolic Extract on Cyclophosphamide-Induced Oxidative Lung Toxicity in Mice. *Chinese Journal of Integrative Medicine*. (2020);26:754–761. <https://doi.org/10.1007/s11655-018-2984-4>
- Sub-Chronic Intraperitoneally Toxicity Assessments of Modified Silver Nanoparticles Capped Coated *Myrtus communis*-Derived the Hydrolyzable Tannins in a Mice Model. *Nanomedicine Research Journal*. (2020);5(3):288-297. <https://www.sid.ir/en/journal/ViewPaper.aspx?id=811179>
- The Protective Effects of *Origanum vulgare* L. Extract on Genetic Damage of Cyclophosphamide in Mice Blood Lymphocytes Using Micronucleus Test. *Pharmaceutical and Biomedical Research*. (2020); 6(4):297-302. <https://doi.org/10.18502/pbr.v6i4.5116>
- *Nigella sativa* L. for Prevention of Acute Radiation Dermatitis in Breast Cancer: A Randomized, Double-Blind, Placebo-Controlled, Clinical Trial. *Complementary Therapies in Medicine*. (2019);47: 102205. <https://doi.org/10.1016/j.ctim.2019.102205>
- The Effect of *Citrus aurantium* Aroma on Sleep Quality In The Elderly with Heart Failure. *Journal of Babol University of Medical Sciences*.(2019); 21(1):181-187.(in Persian) <http://jbums.org/article-1-8241-en.html>
- Ameliorative Effect of *Viola odorata*. L. Ethyl Acetate Extract Against Nephrotoxicity Induced by Chronic Ethanol Exposure in Rats; *Journal of Mazandaran University of Medical Sciences*. (2019); 29 (175):1-13. (In Persian) <http://jmums.mazums.ac.ir/article-1-12642-en.html>
- Effects of Some Natural Products From Fungal and Herbal Sources on *Giardia lamblia* in Vivo. *Parasitology*. (2019); 146(9):1188-1198. <https://doi.org/10.1017/S0031182019000325>
- Modulatory Effects of *Viola odorata* Flower and Leaf Extracts Upon Oxidative Stress-Related Damage in an Experimental Model of Ethanol-Induced Hepatotoxicity. *Applied Physiology, Nutrition, and Metabolism*. (2019); 44(5):521-527. <https://doi.org/10.1139/apnm-2018-0559>
- Hepatoprotective Activity of Caspian Saffron (*Crocus caspius* Fisch and Mey) Flowers Against CCl₄-Induced Acute Liver Injury in Mice; *Research Journal of Pharmacognosy*. (2019); 6(3):33-39. <https://doi.org/10.22127/rjp.2019.89458>
- Comparison of Oral Chlorhexidine with Green Tea Mouthwash in Treatment of Patients With Chronic Generalized Periodontitis: A Double-Blind Controlled Randomized Clinical Trial. *Journal of Dentomaxillofacial*. (2019); 8(1):39-43.
- Evaluation of Blood Sugar Lowering Effect of Airy Organs Extract of *Cupressus sempervirens* L. on Streptozocin Induced Diabetic Mice. *Scientific Journal of Kurdistan University of Medical Sciences*. (2019); 24(2):52-56. (in Persian) <https://doi.org/10.29252/sjku.24.2.52>
- Antioxidant and Protective Effect of Hydroalcoholic Extract of *Celtis australis* L. on CCl₄ Induced Hepatotoxicity. *Pharmaceutical and Biomedical Research*. (2018); 4(3);26-31. <https://doi.org/10.18502/pbr.v4i3.541>
- Efficacy of *Camellia Sinensis* Extract Against *Candida* Species in Patients with Denture Stomatitis. *Current medical mycology*. (2018); 4(3):15-18. <https://doi.org/10.18502/cmm.4.3.174>
- Anti-inflammatory Effects of *Eryngium Caucasicum* Trautv extract in Carrageenan Model of Inflammation in Rat. *Global Journal of Internal Medicine*. (2018);1(1):190-230.
- Cytotoxic and Genotoxic Studies of Essential Oil from *Rosa damascene* Mill., Kashan, Iran. *Med Glas (Zenica)* 2017; 14(2): 152-157. <https://doi.org/10.17392/901-17>
- Cytotoxic Effect of Hydro-Alcoholic Extract of *Crocus caspius* on Breast Cancer Cell Lines. *Journal of Mazandaran University of Medical Sciences*. 2017; 27 (151), 32-40. (in Persian) <http://jmums.mazums.ac.ir/article-1-9569-en.html>

- Protective Effects of *Trigonella foenum graecum* L. Extract Against Cytotoxicity Induced by Cyclophosphamide on Ovarian Cancer (SKOV3) and Normal Cell Lines. *Journal of Mazandaran University of Medical Sciences.*(2017);27(152):31-39. (in Persian) <http://jmums.mazums.ac.ir/article-1-8833-en.html>
- Anti-Diabetic Effect of Methanol Extract of *Trametes versicolor* on Male Mice. *Journal of Mazandaran University of Medical Sciences.* (2017); 26 (145), 165-175.(in Persian). <http://jmums.mazums.ac.ir/article-1-9477-en.html>
- A Review of the Effects of Curcumin on Histone Acetyltransferase Activity in the Prevention of Cardiac Hypertrophy. *Journal of Babol University of Medical Sciences.* (2017); 19 (1), 27-35. (in Persian). <http://jbums.org/article-1-6387-en.html>
- Cytotoxic Effect of Methanolic Extract of *Papaver rhoeas* L. on Vero Cell Line and Its Antioxidant Activity. *Journal of Mazandaran University of Medical Sciences.* (2017); 26 (145), 364-370. (in Persian). <http://jmums.mazums.ac.ir/article-1-9494-en.html>
- Chemoprotective Effects of Myristin Against Genotoxicity Induced by Endosulfan on Human Blood Lymphocyte. *Journal of Mazandaran University of Medical Sciences.* (2016); 26 (141), 143-148.(in Persian). <http://jmums.mazums.ac.ir/article-1-8594-en.html>
- Evaluating the Cytotoxicity Effect of Hydroalcoholic Extract of *Juglans regia* on Human Cancer Cell Lines (HepG2-HeLa) by MTT Assay. *Journal of Mazandaran University of Medical Sciences.*(2016); 26 (141), 160-164. (in Persian) <http://jmums.mazums.ac.ir/article-1-8597-en.html>
- Mycochemical investigation of *Trametes versicolor*: A Potential Application of the Isolated Compounds in Documented Pharmacological Studies. *International Journal of Medicinal Mushrooms.* (2015); 17(3):255–265. <https://doi.org/10.1615/IntJMedMushrooms.v17.i3.50>
- Protective effects of *Origanum vulgare* Ethanol Extract Against Cyclophosphamide-Induced Liver Toxicity in Mice. *Pharmaceutical biology.* (2015); 53(1);10-15. <https://doi.org/10.3109/13880209.2014.908399>
- Hepatoprotective Effects of *Zataria Multiflora* Ethanolic Extract on Liver Toxicity Induced by Cyclophosphamide in Mice. *Drug Research (Stuttg).* (2015); 65(04): 169-175. <https://doi.org/10.1055/s-0034-1370932>
- Genoprotective Effects of *Origanum vulgare* Ethanolic Extract Against Cyclophosphamide-Induced Genotoxicity in Mouse Bone Marrow Cells. *Pharmaceutical biology.* (2015); 53 (1), 92-97. <https://doi.org/10.3109/13880209.2014.910674>
- An Ethanol Extract of *Origanum vulgare* Attenuates Cyclophosphamide-Induced Pulmonary Injury and Oxidative Lung Damage in Mice. *Pharmaceutical biology.* (2014); 52(10) ;1229-1236. <https://doi.org/10.3109/13880209.2013.879908>
- Antimicrobial Effect of the Lingzhi or Reishi Medicinal Mushroom, *Ganoderma lucidum*(Higher Basidiomycetes) and Its Main Compounds. *International Journal of Medicinal Mushrooms.*(2014);16(1):77–84. <https://doi.org/10.1615/IntJMedMushr.v16.i1.70>
- Anti-Inflammatory Effect, Total Polysaccharide, Total Phenolics Content and Antioxidant Activity of the Aqueous Extract of Three Basidiomycetes. *Research Journal of Pharmacognosy(RJP).* (2014);1(1):15-21. http://www.rjpharmacognosy.ir/article_3903.html
- Cytotoxic Effects of *Lagenaria siceraria* Standl. Extract on Cancer Cell Line. *Journal of Mazandaran University of Medical Sciences.*(2013);23(97):225-230.(In Persian). <http://jmums.mazums.ac.ir/article-1-1822-en.html>
- *Diospyros lotus* L. Fruit Extract Protects G6PD-Deficient Erythrocytes From Hemolytic Injury in Vitro and In Vivo: Prevention of Favism Disorder. *European Review For Medical and Pharmacological Sciences.* (2011);15:1270-81. <https://doi.org/10.1055/s-0031-1282426>.
- Protective Effects of Hesperidin Against Genotoxicity Induced by ^{99m}Tc-MIBI in Human Cultured Lymphocyte Cells. *Nuclear Medicine and Biology.* (2009); 36: 863–867. <https://doi.org/10.1016/j.nucmedbio.2009.06.002>

- The Radiotracer ^{99m}Tc-MIBI Is Not Genotoxic for Human Peripheral Blood Lymphocytes at Diagnostic Radioactive Dose. *Genet Mol Res.* (2009);8(3):923-928. <https://doi.org/10.4238/vol8-3gmr602>

CONFERENCE PRESENTATIONS:

- 59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research. Antalya, Turkey, GA 2011. (Poster Presentaion)
- “Phytotherapy of Renal Disease” 1st Iranian Pharmacognosy Congress. Tehran, Iran 2017. (Oral Presentaion)
- 1st Iranian Pharmacognosy Congress. Tehran, Iran 2017. (Reviewer)
- “Pharmacognosy and Traditional Pharmacy” 22nd Iranian Pharmacy Student Seminar, Zanjan, Iran 2019. (Reviewer).
- University-Based Continuing Education Seasonal Program for Pharmacists. Mazandaran University of Medical Sciences, Sari, Iran. (Poster Presentaion)

ACHIEVEMENTS AND AWARDS:

PROFESSIONAL MEMBERSHIPS:

- Membership of The Iranian Society of Pharmacognosy
- Membership of Pharmaceutical Science Research Center and Hemoglobinopathy Institute, Mazandaran University of Medical Sciences, Sari, Iran
- Membership of Medical Council of the Islamic Republic of Iran as Pharmacist
- Membership of Traditional and Complementary Medicine Research Center, Addiction Institute, Mazandaran University of Medical Sciences, Sari, Iran

LANGUAGES:

Persian: Native

English: Fluent, Advanced Reading and Writing

SKILLS:

- **Research:** Extraction Methods, Isolation and Purification of Secondary Metabolites, Chromatography Methods (TLC, HPLC, GC, CC), Spectroscopy (NMR, IR, Mass), Design of Animal Studies (Anti-Diabetic, Hepatotoxicity and Anti-Inflammatory), Design of Clinical Trials, Cytotoxicity Assays (MTT)
- **Software:** Microsoft Office (Word, Excel, Power Point), End note, SPSS, Chem Draw, Prism-GraphPad
- **Lecture:** About Phyto-Therapy and Herbal Medicines Benefits, Analytical Methods