

## **Curriculum Vitae**

### **Seyedeh Mahnaz Karimi**

Assistant Professor, Department of Traditional Pharmacy, School of Traditional Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2024 - present).  
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#### **Education**

2018-2024: Ph.D. of Traditional Pharmacy, Department of Traditional Pharmacy, School of Persian Medicine, Tehran University of Medical Sciences, Tehran, Iran.

2008-2013: Pharm. D. Faculty of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran.

#### **Research interests**

- Evaluating the osteoprotective activity of natural products
- Isolation of natural bioactive compounds
- Formulating traditional medicine (natural/herbal) products
- Nanoparticles Drug Delivery and Nanoformulating traditional medicine (natural/herbal) products
- History of medicine

#### **Administrative duties**

- Director of International Affairs, School of Traditional Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2025- present).
- In charge of Traditional pharmacy, School of Traditional medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2024- present).
- In charge of Traditional pharmacies, School of Persian medicine, Tehran University of Medical Sciences, Tehran, Iran (2022- 2024).
- Expert, Food and drug deputy, Shahid Beheshti University of Medical Sciences, 2013 to 2015

#### **Grants**

1. Collection of dried plant samples available in the pharmaceutical market of Tehran - Phase 1, 2025
2. Collection of dried plant samples available in the pharmaceutical market of Tehran - Phase 2, 2025
3. Effects of *Pistacia atlantica* Desf. on biochemical and histological parameters of bone mass in ovariectomized rats, Nimad, 2019
4. Systematic review of clinical studies conducted on the effect of medicinal plants on osteoporosis, 2019

5. Investigation of the immunogenicity of chitosan nanoparticles containing recombinant ESAT6 antigen of *Mycobacterium tuberculosis* after nasal administration
6. Investigation of the effect of berberine on cell death and glutamate-induced DNA damage in PC12 cells, 2013

## Publications

- 1- Karimi, M., Abbaspour, F., Tabatabaei-Malazy, O., Qolami, H., Fayyaz, F., Ebrahimi Fana, S., Rahimi, R., Salari, P., Larijani, B., 2025. Impact of medicinal plants on bone health; a systematic review and meta-analysis of clinical studies. *J. Agric. Food Res.* 101545, 2666-1543. doi.org/10.1016/j.jafr.2024.101545.
- 2- Karimi, M., Bayat, M., Rahimi, R., 2023. Plant-derived natural medicines for the management of osteoporosis: A comprehensive review of clinical trials. *J Tradit Complement Med.* doi.org/10.1016/j.jtcme.2023.08.001 (JCR, IF 4.5)
- 3- Karimi, M., Mostafavinia, A., Malakootikhah, J., Shams-Ardakani, M., Mohammadbeigi, A., Amini, A., Yazdani, A., Akarzadeh, S., Bayat, M., Rahimi, R., 2024. Evaluation of the Effects of *Pistacia atlantica* Desf. Oleo-Gum-Resin and Its Nanocapsulated Form on Biomechanical Properties and Bone Density in a Rat Model of Ovariectomy-Induced Osteoporosis. *J Biol Regul Homeost Agents.* 38(1): 233-242 <https://doi.org/10.23812/j.biol.regul.homeost.agents.20243801.18> (JCR, IF: 3.2)
- 4- Karimi SM, Sankian M, Khademi F, Tafaghodi M . Chitosan (CHT) and trimethylchitosan (TMC) nanoparticles as adjuvant/ delivery system for parenteral and nasal immunization against *Mycobacterium tuberculosis* (MTb) ESAT-6 antigen. *Nanomed J.*, 2016; 3(4): 223-229.DOI:10.22038/nmj.2016.7577 (JCR, IF: 1.5)
- 5- Emami-Razavi H, Sadeghi H, Bakhtiari R, karimi M, Farzaneh F., 2023. Antibacterial effect of *curcumin* in niosomeson *Streptococcus mutans* ".
- 6- Emami-Razavi H, Sadeghi H, Bakhtiari R, karimi M, Farzaneh F., 2023. ANTIBACTERIAL EFFECT OF *PISTACIA ATLANTICA* EXTRACT ENCAPSULATED IN NIOSOMESON *STREPTOCOCCUS MUTANS*.

## Books

- 1- Karimi. S.M. (2023). An Evidence-Based Review of Medicinal Plants for Tuberculosis Management Cited by Avicenna, Published in *Medicinal Plants used in Traditional Persian Medicine* (Chapter 9), CABI Publication. 19 pages
- 2- Karimi. S.M. (2023). *Pistacia lentiscus* L. Published in *Therapeutic Medicinal Plants in Traditional Persian Medicine* (Chapter 29). Taylor and Francis Publication.10 pages
- 3- Karimi. S.M. (2023). *Cichorium intybus* L. Published in *Therapeutic Medicinal Plants in Traditional Persian Medicine* (Chapter 7). Taylor and Francis Publication.8 pages
- 4- Common Excipients in Pharmaceutical and Cosmetic Formulations, Davardi, Elham; Eskandari, Faezeh; Karimi, Seyedeh Mahnaz. (2016). Mashhad University of Medical Sciences Publications, ISBN 2-059-369-600

## Abstracts

1. Karimi. S.M. (2023). " Effect of *Pistacia atlantica* Desf. oleo-gum-resin and its nanocapsulated on biomechanical properties and bone density in ovariectomized rats". International Bioresource Conclave & Ethnopharmacology Congress. Imphal, India.
2. Karimi. S.M. Lavari N., (2024). A review on phytochemicals, pharmacological activities, drug interactions, and pharmaceutical products of licorice (*Glycyrrhiza* sp.). International scientific symposium on the role and application of medicinal plants. Tehran, Iran.
3. Karimi. S.M., (2024). Herbal medicines for the management of osteoporosis: A comprehensive review of clinical trials. International Ayush Conclave. Delhi, India.
4. Karimi. S.M. Rahimi R., (2024). A Comprehensive Review of The Effects of Fenugreek (*Trigonella foenum-graecum* L.) on Osteoporosis. International scientific symposium on the role and application of medicinal plants. Tehran, Iran.
5. Karimi. S.M. Rahimi R., (2024). Nanotechnology in Traditional Medicine and Natural products: Challenges and opportunities. National Congress of Persian Medicine. Tehran, Iran.
6. Karimi. S.M. Lavari N., (2024). PROTECTIVE EFFECTS OF PISTACIA ATLANTICA Desf. OLEO-GUM-RESIN ON OSTEOPOROSIS IN OVARIECTOMIZED RATS BY REGULATING OPG/RANKL/RANK SYSTEM. '10<sup>th</sup> International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-10). Istanbul, Türkiye.
7. Karimi. S.M. Rahimi R., (2024). An overview of Iran's herbal medicine market. International Symposium on the Policy, Legal, and Regulatory Landscape of Traditional and Complementary Medicine (ISPTM-2024)., Tehran, Iran.

## Thesis

1. Formulation and evaluation of the effects of ole-gum-resin of *Pistacia atlantica* Desf on biomechanical properties, histology and gene expression in ovariectomized rat model. Department of Traditional Pharmacy, School of Persian Medicine, T e h r a n University of Medical Sciences. Tehran, Iran.
2. Evaluation of the immunogenicity of chitosan nanoparticles containing recombinant ESAT6 antigen of Mycobacterium tuberculosis after nasal administration (in vivo)., School of Pharmacy, M a s h h a d University of Medical Sciences. M a s h h a d , Iran.