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<https://scholar.google.com/citations?user=DxPijbwAAAAJ&hl=en>

Field: Immunology, Inborn Errors in Immune system

Educations

B.Sc. in Biology (2011), Faculty of Natural Science, Tabriz University

M.Sc. in Medical Immunology (2016), School of Medicine, Ahvaz Jundishapur University of Medical Sciences, Iran

Ph.D. student in Medical Immunology, Research Center for Immunodeficiencies, Children's Medical Center, Tehran University of Medical Sciences, Iran

Articles

1. Fathi N, Rashidi G, Khodadadi A, Shahi S, Sharifi S. STAT3 and apoptosis challenges in cancer. *International journal of biological macromolecules*. 2018;117:993-1001.
2. Fathi N, Rezaei N. Lymphopenia in COVID-19: Therapeutic opportunities. *Cell biology international*. 2020;44(9):1792-7.
3. Ahmed S, Khan H, Fratantonio D, Hasan MM, Sharifi S, Fathi N, et al. Apoptosis induced by luteolin in breast cancer: Mechanistic and therapeutic perspectives. *Phytomedicine : international journal of phytotherapy and phytopharmacology*. 2019;59:152883.
4. Shahi S, Zununi Vahed S, Fathi N, Sharifi S. Polymerase chain reaction (PCR)-based methods: Promising molecular tools in dentistry. *International journal of biological macromolecules*. 2018;117:983-92.
5. Fathi N, Ahmadian E, Shahi S, Roshangar L, Khan H, Kouhsoltani M, et al. Role of vitamin D and vitamin D receptor (VDR) in oral cancer. *Biomedecine & pharmacotherapie*. 2019;109:391-401.
6. Sharifi S, Fathi N, Memar MY, Hosseiniyan Khatibi SM, Khalilov R, Negahdari R, et al. Anti-microbial activity of curcumin nanoformulations: New trends and future perspectives. *Phytotherapy research : PTR*. 2020;34(8):1926-46.
7. Fathi N, Dizaj MS, Hamishehkar H, Lotfipour F, editors. Nanostructured lipid carriers (NLC) delivering Punica granatum seed oil with antimicrobial activity against *Staphylococcus epidermidis*: production, characterization and in vitro studies. *European Journal Of Immunology*; 2019: Wiley 111 River St, Hoboken 07030-5774, NJ USA.

8. Babaloo A, Shirmohammadi A, Ghasemi S, Sandoghchian S, Parvan S, Fathi N. Effect of IL-36 γ expression on chronic periodontitis with an increase in NF-KB signaling pathway. *Journal of Advanced Periodontology & Implant Dentistry*. 2019;11:28-33.
9. Fathi N, Lotfipour F, Maleki Dizaj S, Hamishekar H, Mohammadi M. Antimicrobial Activity of Nanostructured Lipid Carriers Loaded Punica granatum Seed Oil against Staphylococcus epidermidis. *Pharmaceutical Nanotechnology*. 2020;8(6):485-94.
10. Shahi S, Ahmadian E, Fathi N, Eftekhari A, Khalilov R, & Maleki Dizaj S. (2019). Preparation and physicochemical assessment of rutin-loaded gelatin nanoparticles. *Journal of Advanced Chemical and Pharmaceutical Materials (JACPM)*, 2(2), 138-142
11. Fathi N, Parnia F, Rashidi G, Sattar M, Elnaz Maleki Dizaj E.(2018). Antibacterial activity of some essential oils against S. aureus and E. coli. *Journal of Advanced Chemical and Pharmaceutical Materials (JACPM)*, 1(3), 77-80.
12. Fathi N, Broujerdnia MG, Vazirianzade B, Rashidi G, Rashno M, Khodadadi A. An in vitro study on Hemiscorpiuslepturus (scorpionida: Hemiscorpiidae) venom cytotoxicity effects on K562 cells. *Research Journal of Pharmaceutical Biological and Chemical Sciences*. 2017;8(2):45-51.
13. Farshchi F, Saadati A, Fathi N, Hasanzadeh M, Samiei M. Flexible paper-based label-free electrochemical biosensor for the monitoring of miRNA-21 using core-shell Ag@ Au/GQD nano-ink: a new platform for the accurate and rapid analysis by low cost lab-on-paper technology. *Analytical Methods*. 2021

Work Experiences

- Research and ethics committee expert in Faculty of Dentistry, Tabriz University of Medical Sciences, Iran (2016 -2019)
- Pharmaceutical Analysis Research Center, Tabriz University of Medical Sciences, Iran (2019)

Awards and Grants

BSc full scholarship awarded by University of Tabriz admission committee, Tabriz-Iran. (2004-2011).

MSc full scholarship awarded by Ahvaz Jundishapur University of Medical Sciences admission committee, Ahvaz-Iran. (2013-2016).

Federation of Immunological Societies of Asia-Oceania (FIMSA) Grant, IUIS, 2019

Membership

The junior member of the European Society for Immunodeficiencies (ESID)

Iranian Society for Immunology and Allergy (ISIA)

Universal Scientific Education and Research Network (USERN)

Laboratory Skills

Mammalian Cell Culture, MTT Assay, Western Blotting Assay, Light and Fluorescence Microscopy, RNA and DNA extraction, cDNA synthesis, PCR and Electrophoresis, Real-time-PCR, Histochemistry, Flow Cytometry, Lab Animal handling, Bradford assay, Electrochemical Laboratory devices, PBMC isolation, Protein extraction and Western blot

Computer Skills

Microsoft office, Adobe Photoshop, EndNote, SPSS

Membership in Executive Committee of Congress

- Member of the executive committee of a two-day international seminar organized by 2nd Pulmonary Vascular Disease Summit at Tabriz University of Medical Sciences, Tabriz, Iran, on 13-14 July 2017
- Member of the executive committee of a two-day The first and second Iranian Congress on Acute Coronary Syndromes Summit at Tabriz University of Medical Sciences, Tabriz, Iran, on 20-22 July 2016 and 2018
- Member of the executive committee of a 3-day Tabriz International Functional Urology Congress Tabriz, Iran, on 14-17 August 2018
- Member of the executive committee of the International Congress on Primary Immunodeficiency diseases (ICID) at Tehran University of Medical Sciences, Tehran, Iran, on 24-25 April 2022

Workshops

- Holding several workshops on flow cytometry for students in different fields of medical sciences
- Holding several workshops on Cell Culture for students in different fields of medical sciences

Workshops Participation

Flowcytometry; Realtime-PCR; Immunohistochemistry; SDS-PAGE
GraphPad Prism; Corel Draw Software; Pathway Studio; Microsoft Office Skills

Ethics in experimental animals; Ethics in publishing; Ethics in the lab; Legal Laws of Startups; Patent ownership

Affiliations

- 2013 - 2016 Department of Immunology, Faculty of Medicine, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran
- 2013-2019 Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran
- 2019- Now Research Center for Immunodeficiencies, Children's Medical Center, Tehran University of Medical Sciences, Tehran, Iran
- 2019- Now Network of Immunity in Infection, Malignancy and Autoimmunity (NIIMA), Universal Scientific Education and Research Network (USERN), Tehran, Iran

Presentations

Poster: The study on *Hemiscorpius lepturus* (scorpionida: Hemiscorpiidae) venom cytotoxicity effects on K562 cells: in vitro study; **14th International Congress of Immunology and Allergy**, April 2018, Tehran, Iran

Poster: Is it possible to detect Protein kinases related to Immunodeficiency disorders by Biosensors? A *Suggestion* for future perspectives; **15th International Congress of Immunology and Allergy**, January 2021, Ahvaz, Iran

Participation:

13th International Congress of Immunology and Allergy, April 2016, Tabriz, Iran

Universal Scientific Education and Research Network (USERN), November 2020, Tehran, Iran

International Congress on Primary Immunodeficiency diseases (ICID) at Tehran University of Medical Sciences, Tehran, Iran, on 24-25 April 2022

Language Proficiency

Persian and Turkish: Native

English: Up Intermediate Level

Interests

Developing the combines research, New methods to easy and fast disease diagnosis,
Activities in student charities

References

Prof. Nima Rezaei, School of Medicine, Tehran University of Medical Sciences,
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Dr. Hassan Abolhassani, Division of Clinical Immunology at the Department of Laboratory
Medicine, Karolinska Institutet at Karolinska University Hospital Huddinge.
hassan.abolhassani@ki.se <https://staff.ki.se/people/hasabo>