

Personal Resume

Personal Information

First and Last Name: Anahita Abbasifard

Employment Status: Committed to service

Educational Department: Department of Medical Laboratory:

Academic Rank: Assistant professor

Contact Number:

Address: Department of Medical Laboratory Sciences, School of Paramedicine, Hamadan University of Medical Sciences, Infront of Mardom Park, Shahid Fahmideh Blve, Mahdihyeh Ave, Hamadan, Iran.

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Educational Information

Specialized or Professional Doctorate: Hamadan University of Medical Sciences (Top Student, first rank)

Thesis or Dissertation Title: Evaluation of mitochondrial function and Sonic hedgehog signaling pathway in peripheral blood mononuclear cells in rheumatoid arthritis patients

Year of Graduation:

Master's Degree: Bushehr University of Medical Science, Bushehr, Iran (Top Student, first rank)

Thesis Title: Effects of Fenugreek, Gemfibrozil and Endurance Training on the expression of PGC-1 α , serum concentration of betatrophin and Irisin in hypertriglyceridemic rats

Year of Graduation

Bachelor's Degree: B.Sc. in Laboratory Science, Arak University of Medical Science, Arak, Iran (Top Student, first rank)

Year of Graduation:

Executive Records:

Membership in local, provincial, national, and international associations and societies:

Educational Records:

Teaching Records:

- General Biochemistry (Structure and Function of Biomolecules)
- General Biochemistry (Metabolism and Hormones)
- General Biochemistry for Medical students
- Laboratory Biochemistry
- Research method

Theses:

Evaluation of mitochondrial function and Sonic hedgehog signaling pathway in peripheral blood mononuclear cells in rheumatoid arthritis patients

Research Background

Research Interests:

- Energy metabolism
- Mitochondria
- Metabolic disease
- Autoimmune disease
- PBMC (blood cells)

Published Books:

Abstract of the cellular and Molecular Biology of Lodish; Dr Moradi, Dr Behrooz Aghdam, Dr Barartabar, Dr Abbasifard. Published by Haidari 2022, (in Persian)

Published Articles:

- Abbasifard, A., Karbasi, A., Oftadeh Harsin, A., Firouzian, F., Soleimani Asl, S., Fathi Jouzdani, A., Ranjbar, A. (2025). Antioxidative Effects of Crocin-loaded Noisome in Paraquat-induced Oxidative Stress in Lung Rat. *Cell Biochemistry and Biophysics*
- Bahramibanan, F., Rad, M. V., Ranjbar, A., Karbasi, A., & Abbasifard, A. (2025). Comparison of oxidative stress status in the kidney tissue of male rats treated with paraquat and nanoparaquat. *Scientific Reports*, 15(1), 389.
- Abbasifard, A., Solgi, G., Khodadadi, I., Doosti-Irani, A., Tayebinia, H., & Fazaeli, A. (2024). Peripheral blood mononuclear cells show markers of mitochondrial dysfunction in rheumatoid arthritis. *Cell Biochemistry and Function*, 42(4), e4025.
- Abbasifard, A., Alimohammadi, S., Oshaghi, E. A., & Shafiee, G. (2023). Association of proprotein convertase subtilisin/kexin type 9 protein and oxidative stress indicators in women with preeclampsia: A case-control study. *International Journal of Reproductive BioMedicine*, 21(10), 845.
- Karbasi, A., Abbasifard, A., Firouzian, F., Asl, S. S., Azizi, Z., & Ranjbar, A. (2023). Is nanoparaquat safer than bulk paraquat? An in vitro and in vivo evaluation. *Toxicology*, 484, 153398.
- Akbarzadeh, S., Ostovar, A., Angali, N., Abbasifard, A., & Chashmpoosh, M. (2019). Effects of hydroalcoholic extract of thymus vulgaris on serum levels lipoprotein lipase and angiopoietin-like protein 4 in hyperlipidemic rats. *Journal of Mazandaran University of Medical Sciences*, 28(170), 22-32.
- Abbasifard, A., Movahed, A., Ostovar, A., Bargahi, A., Jaberi, H., & Akbarzadeh, S. (2018). Serum Irisin Changes Following Endurance Exercise and Caloric Restriction in Obese and Hypertriglyceridemic Rats. *Iranian South Medical Journal*, 21(3), 209-219.

Research Projects:

Participation in Conferences and Meetings

A. Oral

- 1- "Serum Irisin changes following endurance exercise and calorie restriction in obese and hypertriglyceridemic rats" - "10th internationalcongress of laboratory and clinic"
- 2- "Nanocrocine is a potential antidote for the treatment of paraquat poisoning" "17th National Congress of Biochemistry & 8th International Congress of Biochemistry & Molecular Biology August, 23-26, 2022 - Tehran, Iran"
- 3- "ATP and ROS changes in PBMC of rheumatoid arthritis patients can be important in the development of the disease" -"15th International congress of Medical Lab. and Clinic"

B. Poster

- 4- "Serum Irisin changes following consumption of fenugreek seed's alcoholic extract in hypertriglyceridemic rats" - "15th Iranian National Congress of Biochemistry and the 6th International Congress of biochemistry and molecular Biology"
- 5- "Thymus vulgaris and levels of ANGPTL4 and LPL" - "10th internationalcongress of laboratory and clinic"
- 6- "Biological absorption of zinc and nickel from aqueous solution by the *Rhizopus oryzae* biomass" at the fifth Congress of rare elements of Iran
- 7- "ANGPTLs of beneficial or harmful adipocytocaines?" "In the" fifth Congress of student research committees of the southern partner network"
- 8- Presentation of the summary of the article "genetic diseases of triple repetition" at the 12th Congress of genetics of Iran
- 9- Presentation of the summary of the article "report of a couple with chromosomal disorder 47XYY, 46XX (inv9)" at the 12th Congress of genetics of Iran
- 10- Participating in the national symposium on induced radiation stem cells and therapeutic applications
- 11- Participation in the seventh International Summer School of Royan

