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Education:

BSc: Chemistry, Shahid Bahonar University, Iran

MSc: Biochemistry, Kerman University of Medical Sciences, Iran

PhD: Biochemistry, Tehran University of Medical Sciences, Iran

Appointment:

Associate Professor, Department of Biochemistry, Kerman University of Medical Sciences,
2013-Present

Publications:

1. Naiini MR, Saeidi K, Azarian A, Bahramzadeh K, Nazari-Robati M. Expression analysis of vitamin D receptor-associated long noncoding RNAs in patients with relapsing-remitting multiple sclerosis. *Bratisl Lek Listy*. 2024;125(2):107-12.
2. Naiini MR, Shahouzehi B, Azizi S, Shafiei B, Nazari-Robati M. Trehalose-induced SIRT1/AMPK activation regulates SREBP-1c/PPAR- α to alleviate lipid accumulation in aged liver. *Naunyn Schmiedebergs Arch Pharmacol*. 2024;397(2):1061-70.
3. Rahimi Naiini M, Shahouzehi B, Khaksari M, Azizi S, Naghibi N, Nazari-Robati M. Ellagic acid reduces hepatic lipid contents through regulation of SIRT1 and AMPK in old rats. *Arch Physiol Biochem*. 2023:1-8.
4. Shafiei B, Afgar A, Nematollahi MH, Shabani M, Nazari-Robati M. Effect of trehalose on miR-132 and SIRT1 in the hippocampus of aged rats. *Neurosci Lett*. 2023;813:137418.
5. Naghibi N, Sadeghi A, Movahedinia S, Rahimi Naiini M, Rajizadeh MA, Bahri F, et al. Ellagic acid ameliorates aging-induced renal oxidative damage through upregulating SIRT1 and NRF2. *BMC Complement Med Ther*. 2023;23(1):77.
6. Shahouzehi B, Masoumi-Ardakani Y, Nazari-Robati M, Aminizadeh S. The Effect of High-intensity Interval Training and L-carnitine on the Expression of Genes Involved in Lipid and Glucose Metabolism in the Liver of Wistar Rats. *Biol Appl Sci*. 2023;66:e23220100.

7. Raji-Amirhasani A, Khaksari M, Shahrokhi N, Soltani Z, Nazari-Robati M, Darvishzadeh Mahani F, et al. Comparison of the effects of different dietary regimens on susceptibility to experimental acute kidney injury: The roles of SIRT1 and TGF- β 1. *Nutrition*. 2022;96:111588.
8. Shafiei B, Shabani M, Afsar A, Rajizadeh MA, Nazari-Robati M. Trehalose Attenuates Learning and Memory Impairments in Aged Rats via Overexpression of miR-181c. *Neurochem Res*. 2022;47(11):3309-17.
9. Hozhabri Y, Sadeghi A, Nazari-Robati M, Bahri F, Salimi F, Abolhassani M, et al. Effects of trehalose on NFE2L2, catalase, and superoxide dismutase in the kidney of aged rats. *Mol Biol Res Commun*. 2022;11(1):29-36.
10. Norouzi A, Ziamajidi N, Sadeghi A, Nazari-Robati M. Protective Effect of Trehalose Against H₂O₂-induced Cytotoxicity and Oxidative Stress in PC-12 Cell Line and the Role of Heat Shock Protein-27. *Iranian Journal of Toxicology*. 2022;16(2):145-52.
11. Bastin AR, Nazari-Robati M, Sadeghi H, Doustimotlagh AH, Sadeghi A. Trehalose and N-Acetyl Cysteine Alleviate Inflammatory Cytokine Production and Oxidative Stress in LPS-Stimulated Human Peripheral Blood Mononuclear Cells. *Immunol Invest*. 2022;51(4):963-79.
12. Bahri F, Khaksari M, Movahedinia S, Shafiei B, Rajizadeh MA, Nazari-Robati M. Improving SIRT1 by trehalose supplementation reduces oxidative stress, inflammation, and histopathological scores in the kidney of aged rats. *J Food Biochem*. 2021;45(10):e13931.
13. Norouzi A, Motaghi M, Hassanshahi G, Nazari-Robati M. Exploring the expression profile of vitamin D receptor and its related long non-coding RNAs in patients with acute lymphoblastic leukemia. *Rev Assoc Med Bras (1992)*. 2021;67(8):1113-7.
14. Akbari M, Dabiri S, Moeini-Aghtaei MM, Nazari-Robati M. Thermostabilized chondroitinase ABC Promotes Neuroprotection after Contusion Spinal Cord Injury. *Journal of Kerman University of Medical Sciences*. 2020;27(5):369-79.
15. Nasouti R, Khaksari M, Mirzaee M, Nazari-Robati M. Trehalose protects against spinal cord injury through regulating heat shock proteins 27 and 70 and caspase-3 genes expression. *J Basic Clin Physiol Pharmacol*. 2019;31(1).
16. Nazari-Robati M, Akbari M, Khaksari M, Mirzaee M. Trehalose attenuates spinal cord injury through the regulation of oxidative stress, inflammation and GFAP expression in rats. *J Spinal Cord Med*. 2019;42(3):387-94.
17. Karimi M, Mirzaie M, Khaksari M, Akbari M, Nazari M. Effect of Trehalose on Neurocan and Neural-Glial Antigen 2 Genes Expression in Rats with Spinal Cord Injury. *Journal of Kerman University of Medical Sciences*. 2019;26(1):67-76.
18. Nazari Robati M, Norouzi A, Nasouti R. Effect of Trehalose on the Expression of Heat Shock Protein 70 Gene in PC12 Cells Treated with Hydrogen Peroxide. *Journal of Mazandaran University of Medical Sciences*. 2019;29(172):1-9. (In Persian)
19. Mirzaie M, Karimi M, Fallah H, Khaksari M, Nazari-Robati M. Downregulation of Matrix Metalloproteinases 2 and 9 is Involved in the Protective Effect of Trehalose on Spinal Cord Injury. *Int J Mol Cell Med*. 2018;7(1):8-16.
20. Rajaie A, Allahyari M, Nazari-Robati M, Fallah H. Inhibition of Interleukin-1 Receptor-Associated Kinases 1/4, Increases Gene Expression and Serum Level of Adiponectin in Mouse Model of Insulin Resistance. *Int J Mol Cell Med*. 2018;7(3):185-92.
21. Nowzari Z, Masoumi M, Nazari-Robati M, Akbari H, Shahrokhi N, Asadikaram G. Association of polymorphisms of leptin, leptin receptor and apelin receptor genes with susceptibility to coronary artery disease and hypertension. *Life Sci*. 2018;207:166-71.

22. Akbari H, Asadikaram G, Jafari A, Nazari-Robati M, Ebrahimi G, Ebrahimi N, et al. Atorvastatin, losartan and captopril may upregulate IL-22 in hypertension and coronary artery disease; the role of gene polymorphism. *Life Sci.* 2018;207:525-31.
23. Akbari M, Khaksari M, Rezaeezadeh-Roukerd M, Mirzaee M, Nazari-Robati M. Effect of chondroitinase ABC on inflammatory and oxidative response following spinal cord injury. *Iran J Basic Med Sci.* 2017;20(7):806-12.
24. Akbari M, Dabiri S, Nematollahi-Mahani SN, Nazari-Robati M. Effect of Chondroitinase ABC Enzyme on Glial Fibrillary Acidic Protein, Chondroitin Sulfated Proteoglycans and Chondroitin 4-Sulfate Levels in an Animal Model of Spinal Cord Injury. *Journal of Kerman University of Medical Sciences.* 2017;24(4):259-67.
25. Nazari-Robati M, Golestani A, Asadikaram G. Improvement of proteolytic and oxidative stability of Chondroitinase ABC I by cosolvents. *Int J Biol Macromol.* 2016;91:812-7.
26. Ludeman JP, Nazari-Robati M, Wilkinson BL, Huang C, Payne RJ, Stone MJ. Phosphate modulates receptor sulfotyrosine recognition by the chemokine monocyte chemoattractant protein-1 (MCP-1/CCL2). *Org Biomol Chem.* 2015;13(7):2162-9.
27. Hosseini Nezhad Z, Darvish Moghaddam S, Zahedi MJ, Hayatbakhsh M, Sharififar F, Ebrahimi Meimand F, et al. Serum selenium level in patients with gastric non-cardia cancer and functional dyspepsia. *Iran J Med Sci.* 2015;40(3):214-8.
28. Nazari-Robati M, Khajeh K, Aminian M, Mollania N, Golestani A. Enhancement of thermal stability of chondroitinase ABC I by site-directed mutagenesis: an insight from Ramachandran plot. *Biochim Biophys Acta.* 2013;1834(2):479-86.
29. Nazari-Robati M, Khajeh K, Aminian M, Fathi-Roudsari M, Golestani A. Co-solvent mediated thermal stabilization of chondroitinase ABC I form *Proteus vulgaris*. *Int J Biol Macromol.* 2012;50(3):487-92.
30. Hosseininejad Z, Darvish MS, Ebrahimi F, Abdollahi M, Zahedi MJ, Nazari M, et al. In vitro screening of selected Iranian medicinal plants against *Helicobacter pylori*. *Int J Green Pharm.* 2011;5(4):282-5.

Research interests:

Protein stabilization, protein-protein interactions,
oxidative stress, neurodegenerative diseases, aging

Technical expertise:

Cloning, protein expression and purification, protein structure studies by fluorescence and CD, site directed mutagenesis, enzyme assay, binding assay (Fluorescence anisotropy), cell culture, western blotting, PCR, qPCR, bioinformatics and method development