

CURRICULUM Vitae



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Mostafa Akbarzadeh-Khiavi

Molecular Medicine (Doctor of Philosophy)

Tabriz University of Medical Science, Iran

Assistant Professor of Liver and Gastrointestinal Diseases Research Center (LGDRC)

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PERSONAL INFORMATION

Date of Birth: 12 Jul. 1981

Nationality: Iranian

Marital Status: Married

EDUCATION

2019	Ph. D., Molecular Medicine	Tabriz University of Medical Science, Iran
2013	M.Sc., Genetic	Islamic Azad University of Ahar-Iran
2006	B.Sc., Microbiology	Shahid Chamran University of Ahvaz- Iran

Thesis

Thesis Topic (Ph. D) "Targeted Nanosystem Enzyme Therapy of Colon Cancer", Supervisor: Professor Mohammad Hosein Somi, Professor Yadollah Omid. Date: 2019-06-22

Thesis Topic (M.SC) "Investigation of Y Chromosome Microdeletions of AZFb, AZFc, and AZFd regions in non-obstructive infertility men", Supervisor: Dr. Seyyed Ali Rahmani. Date: 2013-01-31

Outcomes of Ph. D Thesis

- Patent
- Publications
- Product

Awards

- Top national research student (2020)
- Top Inventor of Tabriz University of Medical Sciences (2017)
- Top research student of Islamic Azad University of Ahar-Iran (2013)

Patents

- **1396** Syntheses and production of targeted enzymatic nano drug against colon cancer (No.93309)
- **1396** Engineering and Improved Production of Salt Resistant multicopper oxidase enzyme from local Bacillus sp. SL-1 as recombinant (No. 93297)
- **1395** Using of halothermophile Bacillus sp. SL-1 to production of salt-resistant hydrolytic enzymes (No. 89798)

RESEARCH INTERESTS

Therapeutic enzymes

Targeted Drug Delivery

Molecular Therapy

Employments

Liver and Gastrointestinal Diseases Research Center(LGDRC), Tabriz University of Medical Sciences,

Tabriz, Iran.

Jun 2020 – Present

Assistant professor

Ardabil University of Medical Sciences,

Ardabil, Iran

2018-2020

Lecturer (Immunogenetics)

Journal publications

- F Lotfi, **M Akbarzadeh-Khiavi**, Z Lotfi, L Rahbarnia, A Safary, H Zarredar, et al (2021). Micronutrient therapy and effective immune response: a promising approach for management of COVID-19. *Infection*.
- A Safary, H Moghaddas-Sani, **M Akbarzadeh-Khiavi**, A Khabbazzi, et al (2021). Enzyme replacement combinational therapy: effective treatments for mucopolysaccharidoses. *Expert Opinion on Biological Therapy*.
- **KM Akbarzadeh**, A Safary, J Barar, A Ajoolabady, MH Somi, Y Omid (2020). Multifunctional nanomedicines for targeting epidermal growth factor receptor in colorectal cancer. *Cellular and molecular life sciences: CMLS* 77 (6), 997-1019
- **MA Khiavi**, A Safary, J Barar, H Farzi-Khajeh, A Barzegari, R Mousavi, et al (2020). PEGylated gold nanoparticles-ribonuclease induced oxidative stress and apoptosis in colorectal cancer cells. *BioImpacts* 10 (1), 27-36
- **M Akbarzadeh Khiavi**, A Jalili, A Safary, Z Gharedaghchi, SK Mirinezhad, et al (2020). Karyotypic abnormalities and molecular analysis of Y chromosome microdeletion in Iranian Azeri Turkish population infertile men. *Systems biology in reproductive medicine* 66 (2), 140-146.
- A Safary, **MA Khiavi**, Y Omid, MA Rafi. Targeted enzyme delivery systems in lysosomal disorders: an innovative form of therapy for mucopolysaccharidosis (2019). *Cellular and Molecular Life Sciences* 76 (17), 3363-3381
- **MA Khiavi**, A Safary, A Aghanejad, J Barar, SH Rasta, A Golchin, Y Omid, et al (2019). Enzyme-conjugated gold nanoparticles for combined enzyme and photothermal therapy of colon cancer cells. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 572, 333-344
- **M Akbarzadeh Khiavi**, A Safary, MH Somi (2019). Recent advances in targeted therapy of colorectal cancer: impacts of monoclonal antibodies nanoconjugates. *BioImpacts* 9 (3), 123-127
- A Safary, **MA Khiavi**, R Mousavi, J Barar, MA Rafi (2018). Enzyme replacement therapies: what is the best option? *BioImpacts: BI* 8 (3), 153
- **Mostafa Akbarzadeh-Khiavi**, Seyyed Ali Rahmani, Tajedin Akbarzadeh-Khiavi. Molecular screening of Y chromosome microdeletions in AZFc and AZFd regions of the non-obstructive azoospermic patients referred to Alzahra hospital in Tabriz (2014). *Journal of Kashan University of Medical Sciences* 18 (2), 122-127
- A Safary, R Moniri, SM Mirhashemi, H Nikzad, **MA Khiavi** (2013). Phylogenetic and Biochemical Characterization of a New Halo-Thermotolerant, Biofilm-Forming Bacillus from Saline Lake of Iran *Polish journal of microbiology* 62 (4), 419
- A Safari, **M Akbarzadeh-Khayavi**, M Roayaei-Ardakani, H Motamedi (2012). Isolation of biosurfactant-producing bacteria from the Caspian Sea and determination of their biosurfactant activity. *Feyz Journal of Kashan University of Medical Sciences* 16 (1)
- Safary A., Roayayei M., Abolhasani A., **Akbarzadeh M.**, Motamedi H.(2010). Isolation and characterization of biosurfactant producing bacteria from Caspian Sea. *Biotechnology* 9 (3): 378-382.

