

Short Curriculum Vitae

Dr. Alireza Ebrahiminezhad

Personal Information:

- **Name:** Alireza
- **Surname:** Ebrahiminezhad
- **Date of Birth:** Jul 16, 1984
- **Place of Birth:** Shiraz, Iran
- **Sex:** Male
- **Marital Status:** Married

Contacts:

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Languages:

- Persian (Original Language)
- English

Academic Degrees

- **Associate Professor** of Pharmaceutical Biotechnology
- **Ph.D.** in Pharmaceutical biotechnology
Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

Main Research Fields

- NanoBiotechnology
- NanoMicrobiology

Research Project Areas

- Chemical synthesis of nanostructures
- Biosynthesis of nanostructures
- Design and engineering of nanostructures
- Nanostructures characterization
- Antimicrobial nanostructures
- Anticancer nanostructures
- Nano-Enzymes
- Electrospinning

Publications:

Sample Papers

- Taghizadeh S-M, Berenjian A, Taghizadeh S, Ghasemi Y, Taherpour A, Sarmah AK, et al. One-put green synthesis of multifunctional silver iron core-shell nanostructure with antimicrobial and catalytic properties. *Indus Crops Prod.* 2019;130:230-6.
- Taghizadeh S-M, Berenjian A, Zare M, Ebrahiminezhad A. New perspectives on iron-based nanostructures. *Processes.* 2020;8(9):1128.
- Taghizadeh S-M, Ebrahiminezhad A, Ghoshoon MB, Dehshahri A, Berenjian A, Ghasemi Y. Magnetic immobilization of *Pichia pastoris* cells for the production of recombinant human serum albumin. *Nanomaterials.* 2020;10(1):111.
- Taghizadeh S-M, Jafari S, Ahmad-Kiadaliri T, Mobasher MA, Lal N, Raei MJ, et al. Magnetic immobilisation as a promising approach against bacteriophage infection. *Mater Res Express.* 2019;6:1250a8.
- Taghizadeh S-M, Lal N, Karami-Darehnanranji M, Heydari R, Hamedi A, Mirzaei E, et al. Chitosan-coated magnetic nanorods and nanospheres: physicochemical characterizations and potential as methotrexate carriers for targeted drug delivery. *Z Phys Chem.* 2023.
- Taghizadeh SM, Berenjian A, Chew KW, Show PL, Mohd Zaid HF, Ramezani H, et al. Impact of magnetic immobilization on the cell physiology of green unicellular algae *Chlorella vulgaris*. *Bioengineered.* 2020;11(1):141-53.
- Ranmadugala D, Ebrahiminezhad A, Manley-Harris M, Ghasemi Y, Berenjian A. Iron oxide nanoparticles in modern microbiology and biotechnology. *Critical Reviews in Microbiology* 2017;43(4):493-507
- Ranmadugala D, Ebrahiminezhad A, Manley-Harris M, Ghasemi Y, Berenjian A. The effect of iron oxide nanoparticles on *Bacillus subtilis* biofilm, growth and viability. *Process Biochem.* 2017;62(2017):231-40.
- Ranmadugala D, Ebrahiminezhad A, Manley-Harris M, Ghasemi Y, Berenjian A. Magnetic immobilization of bacteria using iron oxide nanoparticles. *Biotechnology Letters.* 2017;40(2):237-48.
- Ranmadugala D, Ebrahiminezhad A, Manley-Harris M, Ghasemi Y, Berenjian A. High level production of menaquinone-7 by milking with biocompatible organic solvents. *Curr Pharm Biotechnol.* 2018.
- Rezaei V, Mirzaei E, Taghizadeh S-M, Berenjian A, Ebrahiminezhad A. Nano Iron Oxide-PCL Composite as an Improved Soft Tissue Scaffold. *Processes.* 2021;9(9):1559.

- Seifan M, Ebrahiminezhad A, Ghasemi Y, Berenjian A. Microbial calcium carbonate precipitation with high affinity to fill the concrete pore space: nanobiotechnological approach. *Bioprocess Biosystems Eng.* 2019;42(1):37-46.
- Seifan M, Ebrahiminezhad A, Ghasemi Y, Samani AK, Berenjian A. Amine-modified magnetic iron oxide nanoparticle as a promising carrier for application in bio self-healing concrete. *Applied Microbiology and Biotechnology.* 2017;102(1):175-84.
- Ebrahiminezhad A, Najafipour S, Kouhpayeh A, Berenjian A, Rasoul-Amini S, Ghasemi Y. Facile fabrication of uniform hollow silica microspheres using a novel biological template. *Colloids Surf B.* 2014;118:249-53.
- Ebrahiminezhad A, Rasoul-Amini S, Davaran S, Barar J, Ghasemi Y. Impacts of iron oxide nanoparticles on the invasion power of *Listeria monocytogenes*. *Curr Nanosci.* 2014;10(3):382-8.
- Ebrahiminezhad A, Varma V, Yang S, Berenjian A. Magnetic immobilization of *Bacillus subtilis* natto cells for menaquinone-7 fermentation. *Applied Microbiology and Biotechnology.* 2016;100(1):173-80.
- Ebrahiminezhad A, Zare M, Kiyanpour S, Berenjian A, Niknezhad SV, Ghasemi Y. Biosynthesis of xanthan gum coated iron nanoparticles by using *Xanthomonas campestris*. *IET Nanobiotechnol.* 2017;151:684-91.

Books and Book Chapters

- Ebrahiminezhad A, Taghizadeh S-M, Ghasemi Y, Berenjian A. Immobilization of Cells by Magnetic Nanoparticles. In: Guisan J. BJ, López-Gallego F., Rocha-Martín J., editor. *Immobilization of Enzymes and Cells.* 2100. NY: Humana, New York; 2020. p. 427-35.
- Ebrahiminezhad A, Taghizadeh S-M, Taghizadeh S, Ghasemi Y, Berenjian A, Seifan M. Plant-Mediated Synthesis of Nanoparticles. *21st Century Nanoscience—A Handbook: CRC Press; 2019. p. 3-1-3-33.*