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**EDUCATION**

**Ph.D In میکروبیولوژی**University of Theran 1996-2003  
**M.Sc In میکروبیولوژی**University of Theran 1994-1996  
**B.Sc In میکروبیولوژی**University of Islamic Azad 1990-1994

**PUBLICATIONS**

|  |  |  |  |  |
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| **5713** | **39** | **272** | **220** | **18** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Marinobacter iranensis sp. nov., a slightly halophilic bacterium from a hypersaline lake. Rafieyan Shokufeh, Amozegar Mohammad, Makzum Somaye, Salimi-Ashtiani Mahsa, Moshtaghi Nikou Mahdi, Ventosa Antonio, Sanchez-Porro Cristina (2023)., INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, 73(10).  
  
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**3.** Isolation and characterization of heavy metal resistant halophilic and halotolerant bacteria from the Lut desert. طاوسی نازنین, اخوان سپهی عباس, Amozegar Mohammad, کیارستمی وحید (2023)., Journal of Microbial World, 16(2), 102-118.  
  
**4.** A phenol amine molecule from Salinivenus iranica acts as the inhibitor of cancer stem cells in breast cancer cell lines. Safarpour Atefeh, Ebrahimi Marzieh, Shahzadeh Fazeli Seyed Abolhassan, Amozegar Mohammad (2023)., Scientific Reports, 13(1).  
  
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**7.** Genome-resolved analyses of oligotrophic groundwater microbial communities along phenol pollution in a continuous-flow biodegradation model system. Yavari-Bafghi Maryam, Rezaei Somee Maryam, Amozegar Mohammad, Dastgheib Mehdi, Shavandi Mahmoud (2023)., Frontiers in Microbiology, 14(3).  
  
**8.** The effect of altitude on the bacterial diversity and abundance of the soil samples of Kazem Khan Mountain of saline Lake Urmia. غفار نژاد مقدم فاطمه, شوندی محمود, حدادی اعظم, Amozegar Mohammad (2023)., Journal of Microbial World, 15(4).  
  
**9.** Toxic heavy metal/oxyanion tolerance in haloarchaea from some saline and hypersaline ecosystems. Tavoosi Nazanin, Akhavan Sepahi Abbas, Amozegar Mohammad, Kiarostami Vahid (2023)., JOURNAL OF BASIC MICROBIOLOGY, 63(4).  
  
**10.** Carotenoid pigment of Halophilic archaeon Haloarcula sp. A15 induces apoptosis of breast cancer cells. Shahbazi Saghar, Zargar Mohsen, Zolfaghari Mohammad Reza, Amozegar Mohammad (2023)., CELL BIOCHEMISTRY AND FUNCTION, 41(2).  
  
**11.** Khargia gen. nov., a new genus of simple trichal Cyanobacteria from the Persian Gulf. RasouliDogaheh Somayeh, Noroozi Mostafa, Khansha Javad, Amozegar Mohammad, Rahimi Rezvan, Moshtaghi Nikou Mahdi, Hauer Tomas (2023)., Fottea, 91(3), 49-61.  
  
**12.** Hypersaline Lake Urmia: a potential hotspot for microbial genomic variation. Kheiri Roohollah, Mehrshad Maliheh, Pourbabaee Ahmad Ali, Ventosa Antonio, Amozegar Mohammad (2023)., Scientific Reports, 13(1).  
  
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**16.** The Cytotoxicity Effect of Extracted Pigment from Haloarcula sp. on MDA-MB-468 Breast Cancer Cell Line. شهبازی ساغر, زرگر محسن, ذوالفقاری محمدرضا, Amozegar Mohammad (2022)., Iranian South Medical Journal, 25(3).  
  
**17.** Genome-resolved analyses show an extensive diversification in key aerobic hydrocarbon-degrading enzymes across bacteria and archaea. Rezaei Somee Maryam, Amozegar Mohammad, Shavandi Mahmoud, Ghanbari Maman Leila, Bertilsson Stefan, Dastgheib Seyed Mohammad Mehdi (2022)., BMC GENOMICS, 23(1).  
  
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**22.** Simultaneous application of CaO2 nanoparticles and microbial consortium in Small Bioreactor Chambers (SBCs) for phenol removal from groundwater. Yavari-Bafghi Maryam, Shavandi Mahmoud, Dastgheib Seyed Mohammad Mehdi, Amozegar Mohammad (2022)., PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, 160(8), 465-477.  
  
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**30.** Halomonas azerbaijanica sp. nov., a halophilic bacterium isolated from Urmia Lake after the 2015 drought. Kazemi Elham, Tarhriz Vahideh, Amozegar Mohammad, Hejazi Mohammad Saeid (2021)., INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, 71(1).  
  
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**32.** Antibacterial, Antioxidant, and Anticancer Activities of Biosynthesized Selenium Nanoparticles Using Two Indigenous Halophilic Bacteria. Tabibi maryam, Aghaei Seyed Soheil, Amozegar Mohammad, Nazari Razieh, Zolfaghari Mohammad Reza (2020)., Archives of Hygiene Sciences, 9(4).  
  
**33.** Developing a Fluorescent Hybrid Nanobiosensor Based on Quantum Dots and Azoreductase Enzyme forMethyl Red Monitoring. Hajipour Fahimeh, Asad Sedigheh, Amozegar Mohammad, Javadiparvar ali asghar, tang jialun, zhong haizheng, Khajeh Khosro (2020)., IRANIAN BIOMEDICAL JOURNAL, 25(1).  
  
**34.** Production and Application of Biosurfactants in Biotechnology. Shakeri Fatemeh, Babavalian Hamid, Amozegar Mohammad, Ahmadzadeh Zeynab, Zuhuriyanizadi Sahar, Pahlevan Afsharian Mahsa (2020)., Biointerface Research in Applied Chemistry, 11(3), 10446-10460.  
  
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**38.** Kinetics of two-step bioleaching of Ni and Co from iron rich-laterite using supernatant metabolites produced by Salinivibrio kushneri as halophilic bacterium. Hosseini Nasab Marzieh, Noaparast Mohammad, Abdollahi Hadi, Amozegar Mohammad (2020)., HYDROMETALLURGY, 195(1), 105387.  
  
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**41.** Taxogenomics of the Genus Cyclobacterium: Cyclobacterium xiamenense and Cyclobacterium halophilum as Synonyms and Description of Cyclobacterium plantarum sp. nov.. Shahinpei Azadeh, Amozegar Mohammad, Moshtaghi Nikou Mahdi, Ventosa Antonio, Mirfeizi Leila (2020)., MICROORGANISMS, 8(4), 610.  
  
**42.** Saccharomycopsis oxydans sp. nov., a new non-fermentative member in the genus Saccharomycopsis isolated from a traditional dairy product of Iran. Hajihosseinali Mehrdad, Nasr Shaghayegh, Amozegar Mohammad, Yurkov Andrey (2020)., INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, 70(2), 1059-1063.  
  
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**49.** A comparative study on the toxicity of nano zero valent iron (nZVI) on aerobic granular sludge and flocculent activated sludge: Reactor performance, microbial behavior, and mechanism of toxicity. Daraei Hasti, Rafiee Mohammad, Yazdanbakhsh Ahmad Reza, Amozegar Mohammad, Guanglei Qiu (2019)., PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, 129(9), 238-248.  
  
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**HONORS and AWARDS**

**Study the biological resources of halophilic microorganisms from iran sources** 2016, Tehran, Iran  
  
**-** 2015, Tehran, Iran  
  
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**23rd research festival 2014 university of Tehran** 2014, Tehran, Iran

**ACADEMIC POSITIONS**

**COURSES OFFERED**

**Soil Microbiology  
  
Environmental Microbiology  
  
Microbiology  
  
Medical Bacteriology 1  
  
Microbiology  
  
Microbial Physiology  
  
Soil Microbiology  
  
Microbiology  
  
Microbiology  
  
Microbial Biology; Microbial Physiology  
  
Environmental Microbiology  
  
Microbiology  
  
Biology of Extremophiles  
  
Microbial Biology; Microbial Physiology**

**LABORATORIES**