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Assistant Professor

Faculty of New Sciences and Technologies, University of Tehran

Personal Details

Address		Faculty of New Sciences and Technologies, University of Tehran, North Karegar Ave., Tehran, Iran
Date of Birth		1975
Language		English: upper intermediate
Voice		-

Education

B.Sc. in Chemical Engineering-Food Industry

Chemical Engineering Group, Faculty of Engineering, Sharif University

M.Sc. in Chemical Engineering-Biotechnology

Biotechnology Group, Faculty of Chemical Engineering, Tarbiat Modares University

PhD. in Chemical Engineering-Biotechnology

Biotechnology Group, Faculty of Chemical Engineering, Tarbiat Modares University

Research Interests

- Energy optimization
- Bioprotein and Biopolymer
- Bioremediation
- Bio-surfactant
- Biosensors
- MEOR
- Enzyme in Oil company
- Drug Delivery
- Bio-corrosion
- Pharmaceutical Metabolites
- Simulation in Nano Scale

Journal Papers

- 1) **A. Hatamian Zarmi**, S.A. Shojaosadati, S.Hossinkhanii, E.Vasheghani-farahani, R.Emamzadeh , (2009)Extensive biodegradation of highly chlorinated biphenyl and Arochlor 1242 by a novel bacterium ,*Pseudomonas aeruginosa* TMU56 obtained from Iranian contaminated soils", *International Biodeterioration and Biodegradation* ,63,788-794.
- 2) S. Jokar, H. Rashedi, GH. Amoabediny, F. Yazdian, M. Rezvani, **Ash. Hatamian Zarmi**, (2012). Effect of aeration rate on biosurfactin production in a miniaturized bioreactor, *INT J ENVIRON RES.*, 6, 627-634
- 3) Fatemeh Ebrahimi, Simin Naghizadeh, Hamid Rashedi, Fatemeh Yazdian, Ghassem Amoabediny, Soheila Sheibani, **Ashraf S., Hatamian Zarmi**, (2012). Capability Evaluation of Rhamnolipid Biosurfactant purified by Magnetic Iron Oxide Nanoparticles for Emulsification of Water/n-decane Mixture. *New Biotechnology*, <http://dx.doi.org/10.1016/j.nbt.2012.08.435>
- 4) Simin Naghizadeh, Hamid Rashedi, Fatemeh Yazdian, Ghassem Amoabediny, Mansour Hajibapir, Fatemeh Ebrahimi, Soheila Sheibani, **Ashraf S. Hatamian Zarmi**, (2012). Recovery and Purification of Rhamnolipid from fermentation broth, by use of a Nanotechnology Process, *New Biotechnology*, <http://dx.doi.org/10.1016/j.nbt.2012.08.436>
- 5) S. Bahari, Gh. Amoabedini, **A.S. Hatamian Zarmi**, F. Yazdian, (2013). Evaluation of Immobilization of Cytochrome c oxidase enzyme on a gold surface and its activity assay, *Iranian Journal of Biotechnology*
- 6) M. Esmaelifar, **A.S.Hatamian Zaremi**, M.Azizi, F.Yazdian, F.Oroojalian, (2013). Investigation of Antimicrobial Activity of Shiitake Extracts, An Edible Mushroom as A New Source of Natural Antibiotics, *Iranian Journal of Biotechnology*
- 7) F. Tazari, M. Rahaie, **A. S. Hatamian zarmi**, F.Yazdian, (2013). Application Of Proteomics Approach in Cancerand Infectious Diseases Studies, *Iranian Journal of Biotechnology*
- 8) M.Alipour, **A.S.Hatamian Zaremi**, F. Yazdian, S.M.Hoseini,

(2013). Isolation and Characterization of Indigenous Methylophilic Microorganisms From Wastewater With Co-contamination by Petroleum Hydrocarbons and Heavy Metals. *Iranian Journal of Biotechnology*

9) A. Seyedin, F. Yazdian, M. Azizi, **A.S. Hatamian Zaremi**, F. Oroojalian, (2013). Antibacterial activity of medicinal fungus *monascus*, *Iranian Journal of Biotechnology*

10) M. Esmailifar, **A.S.Hatamian Zaremi**, M.Azizi, F.Yazdian, F.Oroojalian. (2013). Investigation of Antimicrobial Activity of Shiitake Extracts, An Edible Mushroom as A New Source of Natural Antibiotics, *Iranian Journal of Biotechnology*

Conference Papers

1) **A. Hatamian Zarmi**, S.A. Shojaosadati, S.Hossinkhanii, E.Vasheghani-farahani, R.Emamzadeh, Isolation and identification of indigenous microflora degrading PCBs from contaminated-soil, "BioMicroWorld, (2007), Seville,Spain".

2) **A. Hatamian Zarmi**, S.A. Shojaosadati, S.Hossinkhanii, E.Vasheghani-farahani, R.Emamzadeh Biodegradation of nine polychlorinated biphenyls by a newly isolated bacterium , *Pseudomonas aeruginosa* TMU56 obtained from Iranian contaminated soils ,The 6 th international chemical engineering congress and exhibition ,Kish island , (2009)

3) **A. Hatamian Zarmi**, S.A. Shojaosadati, S.Hossinkhanii, E.Vasheghani-farahani, Isolation and identification of indigenous microflora degrading PCBs from contaminated soil with transformer oil, "The 5 th international chemical engineering congress and exhibition, Kish island , (2007)

Books

1. PHB Production
2. Mathematical Modeling Of Biosensors
3. Principles of Bio-separation Engineering
4. Transport Phenomena In Biological Systems
5. New Biotechnology
6. Bio-reactors in Tissue Engineering
7. Bio-surfactants
8. Protein Engineering

Academic Appointments

Associate Professor of Faculty of New Sciences and Technologies, University of Tehran, 2011-present

Vice Head of Life Science Engineering, 2010 to 2013

Teachings

- Thermodynamic
- Bioreactor Design
- Fermentation Laboratory
- Computer
- Transport phenomena
- New topics in Biotechnology
- Bio-separation
- Mathematics
- Simulation

Industrial Appointments

Food Industry

Environment Center

Oil Company