

CURRICULUM VITAE

Babol Noshirvani university of technology
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1) Personal

Name:	Morteza
Family Name:	Hosseini
Date of Birth:	22/04/1963
Place of Birth:	Babol, IRAN
Nationality:	Iran
Marital status:	Married
Affiliation:	Associate Professor

2) Education

B.Sc. & M.Sc Continuation of study: Chemical Engineering Department, Faculty of Engineering, Tech. University of Graz, Austria, 1995
M.Sc thesis: Wastewater treatment by using non-uniform electrical field
PhD, Faculty of Engineering, Tech. University of Graz, Austria, 1998.
Dissertation: thesis about biological cleansing of waste air, Institute of Environmental Biotechnology, Graz, Austria

3) Employments

Associate Professor, Babol Noshirvani University of Technology, Iran (Since September. 2000).

4) Experiences

a) Administrative

1998 - 2000	Project: Biological treatment of waste water and air pollution, Institute of Environmental Biotechnology, Tech. University of Graz, Austria
2000-2005	Assistant Professor, Mazandaran University, Iran
2005-present	Assistant Professor of Babol Noshirvani univ. of technology, Iran
2001-2003	Head of Chemical Engineering Department of Mazandaran University, Iran

Curriculum Vitae

2003-present	Member of Iranian Society of Chemical Engineers (I Ache)
2006-present	Member of Biotechnology Society
2011-present	Member of Iranian Nanotechnology Society
2014 –present	Associate prof. of Babol Noshirvani university of technology
2014-2015	Member of research Prof. of Material and Particle technology, Leeds University
2019-present	Head of faculty of biotechnology, Babol Noshirvani university of technology

b) Teaching & Supervising

- Thermodynamic1 (BS Students)
- Mechanic (BS Students)
- Characteristics appointment and selection of equipment (Bs Students)
- Acquaintance with chemical engineering (Bs Students)
- Environmental engineering (Bs Students)
- Supervision of final year Bs Projects
- Preparation of emulsion for Drug delivery (Ms Student)
- Making and breaking of water in oil emulsion (Ms Students)
- Making and breaking of oil in water emulsion (Ms Students)
- Preparation of oil in water emulsion for food industry (Ms Student)
- Preparation of water in diesel emulsion (Ms Student)
- Waste water treatment (Ms Students)
- Biological cleaning of exhaust gases (Ms-Student)
- Planning and designing of equipment (Ms Students)
- Supervision of Postgraduate Theses in Chemical. Eng. Dept (Ms & Phd).

5) Selected Publications

1. **Morteza Hosseini** and **A. Moser**, (2000), "Liquid film effects on the Elimination of CO and NO in trickle bed bio reactor, Chem. and bio chem. Eng. Q. 14(1) 35-37
2. **Morteza Hosseini**, (2005) Treatment of colloidal particles for coagulation via non-uniform electrical field, chem. and chemical eng.(ijcc)
3. **Morteza Hosseini**, (2005) Desalination of crude oil via non-uniform electrical field, Journal of Tehran univ. Technical faculty).
4. **A. Koohestanian, M. Hosseini, Z. Abbasian**, (2008), The Separation Method for Removing of Colloidal Particles from Raw Water, American Eurasian j. of agricultural and environmental sciences
5. **A. Maghsoudlo, M. Hosseini**, (2010), Treatment of Fluid in Fluid Emulsion by External Electric Field, Asian j. of chemistry
6. **K. Alinejad, M. Hosseini, M. Salehi** (2010), Experimental and modeling approach to study separation of water in crude oil emulsion under non-uniform electrical field, Korean j. of chem. eng.
7. **F. Ardestani, S. Fatemi, B. Yakhchali, M. Hosseini, G. Najafpour** (2010), Evaluation of mycophenolic acid production by *Penicillium brevicompactum* MUCL 19011 in batch and continuous submerged cultures, Biochemical Engineering Journal (Elsevier)
8. **Morteza Hosseini**, (2011), the effect of pressure on removal of carbon monoxide in biofilter, Korean j. of chem. eng.
9. **Morteza Hosseini, Mohammad Hassan Shahavi**, (2011), Electrostatic enhancement of coalescence of oil droplets (in nanometer scale) in water emulsion, Chinese journal of chemical engineering
10. **Mohammad Emadian, Morteza Hosseini, Mostafa Rahimnejad, Mohammad Hassan Shahavi, Behnam Khoshandam**, (2015), Treatment of a low-strength bilge water of Caspian Sea ships by HUASB technique. Ecological Engineering.
11. **Morteza Hosseini**, (2016), Coalescence behaviour of water droplets in water-oil interface under

pulsatile electric fields, Chinese journal of chemical engineering.

12. **M. Delavar, Gh. Bakeri*, M. Hosseini**, (2017), Fabrication of polycarbonate mixed matrix membranes containing hydrous manganese oxide and alumina nanoparticles for heavy metal decontamination: Characterization and comparative study, *Chemical Engineering Research and Design*.
13. **Elham Ahmadzadeh, Farid Talebnia Rowshan , Morteza Hosseini**, (2017), A biological method for in-situ synthesis of hydroxyapatite-coated magnetite nanoparticles using *Enterobacter aerogenes*: Characterization and acute toxicity assessments, *Materials Science and Engineering C*
14. **Mohammad Hassan Shahavi, Morteza Hosseini*, Mohsen Jahanshahi, Rikke Louise Meyer, Ghasem Najafpour Darzi**, (2016), Clove oil nanoemulsion as an effective antibacterial agent: Taguchi optimization method, *Desalination and Water Treatment*.
15. **Mohammad Hassan Shahavi, Morteza Hosseini, Mohsen Jahanshahi, Rikke Louise Meyer, Ghasem Najafpour Darzi**, (2015), Evaluation of critical parameters for preparation of stable clove oil nanoemulsion, *Arabian Journal of Chemistry*
16. **Mohammad Hassan Shahavi, Morteza Hosseini*, Mohsen Jahanshahi, Ghasem Najafpour Darzi**. (2015), OPTIMIZATION OF ENCAPSULATED CLOVE OIL PARTICLE SIZE WITH BIODEGRADABLE SHELL USING DESIGN EXPERT METHODOLOGY, *Pak. J. Biotechnology*
17. **Nasim Danesh, Morteza Hosseini*, Mohsen Ghorbani, Azam Marjani**, (2016), Fabrication, characterization and physical properties of a novel magnetite graphene oxide/Lauric acid nanoparticles modified by ethylenediaminetetraacetic acid and its applications as an adsorbent for the removal of Pb(II) ions, *Synthetic Metals*
18. **Milad Hallaji Qomi,, Hossein Eisazadeh *, Morteza Hosseini, Hamed Azizi Namaghi**, (2014), Manganese removal from aqueous media using polyaniline nanocomposite coated on wood sawdust, *Synthetic Metals*
19. **Seyed Mostafa Hosseini Asl, Mojtaba Masomi, Morteza Hosseini, Hamedreza Javadian *, Montserrat Ruiz, Ana Maria Sastre**, (2017), Synthesis of hydrous iron oxide/aluminum hydroxide composite loaded on coal fly ash as an effective mesoporous and low-cost sorbent for Cr(VI) sorption: Fuzzy logic modeling, *Process Safety and Environmental Protection*
20. **Ali Izadi, Morteza Hosseini*, Ghasem Najafpour Darzi, Gholamreza Nabi Bidhendi, Farshid Pajoum Shariati**, (2018), Paper-recycling wastewater treatment using *Ocimum basilicum* L. along with alum: Optimization by response surface methodology (RSM), *Desalination and Water Treatment*
21. **Ali Izadi, Morteza Hosseini*, Ghasem Najafpour Darzi, Gholamreza Nabi Bidhendi, Farshid Pajoum Shariati**, (2018), Treatment of paper-recycling wastewater by electrocoagulation using aluminum and iron electrodes, *Journal of Environmental Health Science and Engineering*.
22. **Narges Kiaei, Reza Hajimohammadi, Morteza Hosseini***, (2018), Investigation of the anti-inflammatory properties of *Calendula* nanoemulsion on skin cells, *Biospired, Biomimetic and Nanobiomaterials*.
23. **Reza Hajimohammadi, Morteza Hosseini*, Hossein Amani and Ghasem Najafpour Darzi** (2017), Experimental Design Procedure for Optimization of Saponin Extraction from *Glycyrrhiza glabra* A Biosurfactant for Emulsification of Heavy Crude Oil, *Tenside Surf. Det.*
24. **Reza Hajimohammadi, Morteza Hosseini, Hossein Amani and Ghasem Najafpour Darzi** Production of Saponin Biosurfactant from *Glycyrrhiza glabra* as an Agent for Upgrading Heavy Crude Oil, *J Surfact Deterg*.
25. **Amin Arvin, Morteza Hosseini*, Mohammad Mehdi Amin, Ghasem Najafpour Darzi, Younes Ghasemie**. A comparative study of the anaerobic baffled reactor and an integrated anaerobic baffled reactor and microbial electrolysis cell for treatment of petrochemical wastewater, *Biochemical Engineering Journal*, volume 144, 15 April 2019, Pages 157-165

26. *Ali Izadi, Morteza Hosseini,**, *Ghasem Najafpour Darzi, Gholamreza Nabi Bidhendi, Farshid Pajoum Shariati*, Performance of an integrated fixed bed membrane bioreactor (FBMBR) applied to pollutant removal from paper-recycling wastewater, *Water Resources and Industry*, Volume 21, June 2019

6) Research Interests

- Environmental Nanotechnology and Biotechnology
- Emulsification & demulsification
- Colloidal particles, food industry
- Colloidal particles, Drug delivery
- Wastewater treatment
- Air pollution