

# Curriculum Vitae

PERSONAL INFORMATION	
First name/Last name	<b>Mojtaba Hadavifar</b>
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Nationality	Iranian
Date of birth	January 14, 1981
<b>LABORATORY INSTRUMENT SKILLS</b>	<ul style="list-style-type: none"> <li>• Gas Chromatograph (GC)</li> <li>• Ultraviolet Spectrophotometer (UV)</li> <li>• Infrared Spectrophotometer (FTIR)</li> <li>• High Performance Liquid Chromatograph (HPLC)</li> <li>• Atomic Absorption Spectrometer (AAS)</li> </ul>
<b>SOFTWARE SKILLS</b>	<ul style="list-style-type: none"> <li>• Design of Experiment (DOE)</li> <li>• Microsoft Office (Word, Excel, PowerPoint)</li> <li>• SigmaPlot</li> <li>• CS ChemOffice</li> </ul>
<b>LANGUAGE SKILLS</b>	<ul style="list-style-type: none"> <li>• Persian: Mother Tongue</li> <li>• English: Fluent</li> </ul>
<b>RESEARCH AREA OF INTEREST</b>	<ul style="list-style-type: none"> <li>• Heavy metals removal from wastewater</li> <li>• Biosorption of Heavy Metal from Wastewater Stream</li> <li>• Wastewater Treatment with Various Type of reactor and Bioreactor</li> <li>• Mass Transfer</li> <li>• Chemical Reaction Engineering</li> </ul>

## EDUCATION AND TRAINING

**Ph.D in environmental pollution:** Department of Environment Sciences, Faculty of Natural resources and Marine Sciences, Tarbiat Modares University, Noor, Iran.

**Thesis Title:** Removal of Mercury and Cadmium from Aqueous Solution in Batch and Continuous System by Amino and Thiol Modified Multiwalled Carbon Nanotubes.

**Research course:** Griffith University, Queensland, Brisbane, Australia

**MS:** environment engineering, Tarbiat Modares University, Noor, Iran, 2006-2008.

**Thesis Title:** Application of Integrated Ozone and Activated Carbon for decolorization and COD Reduction of Vinasse from Alcohol Distilleries.

**BS/BA:** Environmental Pollution Control Technology, Karaj, Iran, 2002-2004.

**Associate degree:** Technology of Environmental sciences, Hakim Sabzevari University, sabzevar, Iran 2000-2002.

## PUBLICATIONS

### International Journals:

- M. Hadavifar, A.A. Zinatizadeh, H. Younesi, and M. Galehdar. (2010). Fenton and photo-Fenton treatment of distillery effluent and optimization of treatment conditions with response surface methodology, *Asia-Pacific Journal of Chemical Engineering*, 5, 454-464.
- M. Galehdar, H. Younesi, M. Hadavifar and A.A. Zinatizadeh. (2009). Optimization of a photo-assisted Fenton oxidation process: A statistical model for MDF effluent treatment, *Clean*, 37 (8), 629-637.
- M. Hadavifar, N. Bahramifar, H. Younesi, Q. Li. (2014). Adsorption of mercury ions from synthetic and real wastewater aqueous solution by functionalized multi-walled carbon nanotube with both amino and thiolated groups, *Chemical Engineering Journal* 237, 217-228.
- Faezeh Mahdad, Habibollah Younesi, Nader Bahramifar, Mojtaba Hadavifar. (2016). Optimization of Fenton and photo-Fenton-based advanced oxidation processes for post-treatment of composting leachate of municipal solid waste by an activated sludge process. *KSCE Journal of Civil Engineering*, 20: 2177-2188.
- Mojtaba Hadavifar, Habibollah Younesi, Ali Akbar Zinatizadeh, Faezeh Mahdad, Qin Li, Zahra Ghasemi. (2016). Application of integrated ozone and granular activated carbon for decolorization and chemical oxygen demand reduction of vinasse from alcohol distilleries. *Journal of Environmental Management*, 170, 28-36.
- Hadavifar M, Bahramifar N, Younesi H, Li Q, Eftekhari E, Yu J. (2016). Removal of mercury and cadmium from synthetic wastewater in the single and binary system by a new synthesized amino and thiolated multi-walled carbon nanotubes. *Journal of the Taiwan Institute of Chemical Engineers*, 67 (2016) 397-405.

### National Journals:

M. Hadavifar, H. Younesi, A.A. Zinatizadeh. Application of ozone and granular activated carbon for distillery effluent treatment. *Water and Wastewater*. 74(2): 1-9.

N. Birjandi, H. Younesi, N. Bahramifar, M. Hadavifar, (2011). Application of chemical coagulation method for reduction of turbidity and COD of paper-recycling wastewater, *Water and Wastewater*, 80(4): 56-62.

N. Birjandi, H. Younesi, N. Bahramifar, M. Hadavifar, Investigation coagulation and flocculation process in purge of environmental pollutants of paper mill wastewater. *Journal of Environmental Science and Technology*. Accepted.

N. Birjandi, H. Younesi, N. Bahramifar, M. Hadavifar, Treatment of paper recycling wastewater industry by coagulation-flocculation using alum and polyaluminumchloride (PACl). *Journal of Energy and Hydro Technology*. Accepted.

#### **International conferences:**

Hadavifar M, Zinatizade A, Younesi H, Galehdar M. Application of Fenton method for MDF Wastewater Treatment and Water Recovery to Process in Caspian costal Area. The 1st. International conference on the Caspian Region Changes. 24-25 August 2008, University of Mazandaran, Babolsar, Iran

H. Younesi, M. Galehdar, M. Hadavifar. Biosorption of cadmium, nickel and cobalt by *Saccharomyces cerevisiae* yeast from aqueous solution 2nd International Student Conference of Biotechnology, Tehran, Iran

Mojtaba Hadavifar, Nader Bahramifar, Habibollah Younesi. Application of Amino and Thiolated Multi-walled Carbon Nanotubes for Removal of Mercury from Aqueous Solutions. 5th International Congress on Nanoscience & Nanotechnology (ICNN2014). 22-24 October 2014, Tehran, Iran.

Mojtaba Hadavifar, Habibollah Younesi. Nader Bahramifar. Adsorption of Hg(II) and Cd(II) from synthetic wastewater in the single and binary component by amine and thiol containing MWCNTs. Asian nano forum conference. 8-11 march, Kish Island, Iran.