

Dr. Amir Hajiali

Cell: +1-917 930 0654

+98-91 0186 8601

dr.hajiali.env@gmail.com

Skype: amirhajiali17



Personal Information:

- **Nationality:** Iranian
- **Date of Birth:** 07/01/1979

Academic Education:

- **Postdoctoral in Geocology**

Yerevan State University, Yerevan, Armenia, Mar. 2017 till now

- **Ph.D. of Engineering in Geocology**

Yerevan State University, Yerevan, Armenia, Mar. 2008-Jun. 2013

Thesis topic: “Development and Applying of the Different Systems for Wastewater Treatment from Resistant and Poisonous Pollutants “

- **Master`s degree, Environmental Engineering ‘‘ WES Evaluated’’**

Azad University (Science & Research Branch), Tehran, Iran, Sep. 2002-Jan. 2005

Thesis topic: “Investigation of Sustainable Development of Energy Factors in Energy Production and Distribution in Iran”

- **Bachelor of Science, Mechanical Engineering ‘‘ WES Evaluated’’**

Azad University (Kerman Branch), Kerman, Iran, Sep. 1997- Jul. 2002

Project topic: “Designing the Heating and Cooling System (Air Conditioning System) and Water Distribution System of Different Sections of a Hospital”

Industrial and Management Work Experiences:

□ *Executive Manager of Persian Paradise Lotus Engineering co.; organizing, managing and performing science based projects in Environmental areas, Tehran, Iran, 2015 - till now*

□ **Commercial Manager of Pajandpad Engineering Co.; cooperating with Frost-Italy (heating and cooling systems/ Solar Panels manufacturer), Tehran, Iran 2013-2014**

- Being in charge of foreign affairs of the company for contracts, holding exhibitions, attending exhibitions, international negotiations and relationships.

- Being responsible for the importing department of the company (Importing Chillers, Industrial and Household Unit Packages, Fan coil Units, Solar Panels).

□ **Mechanical Engineer, Yekta Fan Atlas Engineering Co.; working in Bandar Abbas oil refinery, Bandar Abbas, Iran, 2007-2008**

- Being in charge of heating and cooling section of the oil refinery as a mechanical engineer.

- Supervising the air conditioning system units and industrial sections of the oil refinery as well as the PM department.

- Supervising the mechanical repairing workshops.

□ **Mechanical Engineer, Yadman Engineering Co.; working in residential construction projects, Tehran-Iran, 2006-2007**

- Supervising construction sites, co-operating in team works at constructional sites and collaboration with other technical parts to run the whole projects.

- Performing skilled technical duties in water management division of the mechanical/environmental department of Yadman.

- Advising any planning and developing of new housing properties as point of water systems.

- Performing all on-site inspections of building projects for compliance with approved plans according to any water and wastewater management ordinances.

☐ **Mechanical Engineer, Meshsazan Engineering Co.; working in commercial and residential construction projects, Tehran-Iran, 2002-2006**

- Mechanical engineer at construction sites as well as being in charge of environmental tasks in projects of the company in industrial areas.

- Being responsible for reviewing water and wastewater engineering plans & specifications in construction sites. Advising any planning and developing of new housing properties as point of water systems.

- Performing all on-site inspections of building projects for compliance with approved plans according to any water and wastewater management ordinances.

- Performing routine up-grades to improve the accuracies of projects and any analysis necessary for testing of the construction projects.

- Responsible for verifying the functionality of all designs that comes out of the process.

Educational Works and Teaching Experiences:

- ☐ Self-employed Environmentalist and Researcher cooperating with environmental NGOs as well as educational institutes in academic and practical projects

- ☐ Assistant Prof.,Islamic Azad University (North Tehran Branch)-Iran,2016-till now

- ☐ Lecturer, Goldis Educational Institute, Tehran-Iran, 2013-2016

- ☐ Educational Supervisor and Instructor, London Eye International Teaching Center, Yerevan, Armenia, 2011-2013

- ☐ Lecturer, Alameh Helli Educational Complex, Tehran-Iran, 2009-2010

- ☐ Lecturer, Kish Educational Institute, Bandar Abbas-Iran, 2007-2008

- ☐ Lecturer, Sokhanvar Educational School, Tehran, 2005-2007

- ☐ Lecturer, Alzahra University, Tehran-Iran, 2005-2006

- ☐ Lecturer, Iran-Canada Institute, Tehran-Iran, 2003-2005

- ☐ Lecturer, Gouyesh Educational Institute, Tehran-Iran 2003-2005

- Lecturer, Punak Educational Institute, Tehran-Iran, 2002-2003
- Instructor, Shokouh Educational Institute, Tehran-Iran, 2001 to 2008

Awards, Group & Committee membership, Scientific Activities:

- International Advisory Committee Member of 3rd International Conference on Global Trends in Pure and Applied Chemical Sciences December 2017, New Delhi, India
- Scientific Committee Member of 4th International Conference on Sustainable Environment and Agriculture (ICSEA 2016), October 2016, San Francisco, USA
- Secretary of the Second Scientific-Research Conference of Iranian Post Graduate Students, Yerevan-Armenia, 24-25 September 2013
- First award for oral presentation for the paper “Bio-Ozone-Bio Treatment of Industrial Wastewater Containing Phenolic Chlorine Combinations for Removing Poisonous Pollutants in It”, the first International Scientific-Research Conference of Iranian Post Graduate Students, 16-17 September 2011, Yerevan, Armenia
- Membership of the *Iranian Construction Engineers Organization*, Province of Tehran since 2006
- Membership of the *Iranian Society of Mechanical Engineers* (ISME) since 2006

Publications:

Books:

1. Amir Hajjali, “Principles of Wastewater Treatment with Ozonation”, 2012, Yerevan-Armenia, ISBN 978-9939-0-0569-0
2. Amir Hajjali, “An Introduction to IELTS Grammar”, 2016, Tehran-Iran, ISBN 978-6003-9-9034-0
3. Amir Hajjali, “An Introduction to IELTS Vocabulary”, 2016, Tehran-Iran, ISBN 978-6003-9-9035-7

Papers:

- 1- Amir Hajjali, “COD and TOC Removal Assessment in Effluent from Anaerobic Bioreactor and Effluent from Cyclic Ozonation-Biotreatment in a Pulp Factory Wastewater Treatment”, Proceedings of the 4th International Conference on Energy,

Environment and Sustainable Development, Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan, 2016, #140, ISBN 978-969-7710-00-3.

2- Amir Hajiali, Gevorg Pirumyan, Farideh Atabi, Mohd Fadhil Md. Din: ‘‘Assessment of COD and AOX Removal in a Sequential Bio-ozone-Bio treatment of a Pulp Factory Wastewater Treatment System’’, International Proceedings of Chemical, Biological and Environmental Engineering, Vol. 89, 2015, p.83-86, ISSN 2010-4618.

3- Amir Hajiali, Gevorg P. Pirumyan., ‘‘Evaluation of Turbidity and Color Removal in Treatment of Wastewater Containing Resistant Pollutants with Ozonation’’, IERI Procedia, Vol. 9, 2014, p.8-12, ISSN 2212-6678.

4- Amir Hajiali, Pirumyan G, ‘‘Phenol Removal in Treatment of Oil Refineries Wastewater with Ozonation’’, Proceedings of the International Conference of Biological Diversity and Conservation Problems of the Fauna of the Caucasus-2, Armenia, 2014, p.165-167.

5- Amir Hajiali, Gevorg P. Pirumyan, ‘‘Evaluation of NO_2^- , NO_3^- Removal by Ozonation in Treatment of Pulp Factories Wastewaters Containing Resistant Pollutants’’, Proceedings of the Second Scientific-Research Conference of Iranian Post Graduate Students, Armenia, 2013, p.65-69, ISSN 1829-3832.

6- Amir Hajiali, Gevorg P. Pirumyan, Luiza Cintra Campos, ‘‘Evaluation of COD and BOD_5 Removal in Treatment of Pulp Factories Wastewater Containing Resistant and Poisonous Pollutants with Ozonation’’, Biodiversity and Wildlife Conservation Ecological Issues [Proceedings of the international conference of young scientists],Armenia, 2013, p.274-277.

7- Amir Hajiali, Pirumyan G., Sharif Vaghefi H.R., Shahmiri M., ‘‘Treatment of Pulp Factories Wastewater containing Chlorophenolic Compounds with Ozonation’’, Asian Journal of Chemistry, India, Vol. 24, No. 12 ,2012, p.5609-5612, ISSN 0970-7077.

8- Hamid Reza Sharif Vaghefi, Amir Hajiali, Farzam Shaybani, ‘‘Water Quality Assessment of Taleghan River’’, Life Science Journal, Vol.9, No. 4, 2012, p.480-484, ISSN 1097-8135.

9- Amir Hajiali, Pirumyan G., “Treatment of Wastewater Generated by Dyeing Industry Using a Combined Biological System”, Journal of Water, Chemistry and Ecology, Russia, No.1, 2012, p.33-37.

10- Amir Hajiali, Pirumyan G., “Evaluation of the Ozonation Efficiency in Wastewater Treatment Systems Containing Hazardous Pollutants”, Journal of Environmental Chemistry, Russia, Vol.20, No.2, 2011, p.121-125, ISSN 0869-3498.

11- Amir Hajiali, Pirumyan G., “Effect of sedimentation velocity on removing BOD, COD, and TOC in wastewater treatment with Ozone”, International Journal of Hero (International Innovation Research Centre), Russia, No.5, 2010, p. 45-50, ISSN 2218-7219.

12- Amir Hajiali, “Evaluation of Ozonation System for Reducing Sludge in Sewage Treatment”, Journal of Technologies and Management (Engineering Academy of Armenia), Armenia, Vol. 5, 2010, p. 222-232, ISSN 1829-071x.

13- Amir Hajiali, Pirumyan G., “Chemical and Biological Dissolution of tannery`s wastewater by floating filters”, Journal of Technologies and Management (Engineering Academy of Armenia), Armenia, Vol. 5, 2010, p. 233-244, ISSN 1829-071x.

14- Amir Hajiali, Pirumyan G., “Efficiency of Ozonation for removing Nitrate and Phenol from wastewater”, Journal of Technologies and Management (Engineering Academy of Armenia), Armenia, Vol.1, 2010, p.156-165, ISSN 1829-071x.

Abstracts:

1. COD and TOC Removal Assessment in Effluent from Anaerobic Bioreactor and Effluent from Cyclic Ozonation-Biotreatment in a Pulp Factory Wastewater Treatment, 4th International Conference on Energy, Environment and Sustainable Development, Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan, 1-3 November 2016

2. Amir Hajiali, Gevorg Pirumyan, Farideh Atabi, Mohd Fadhil Md. Din, “Assessment of COD and AOX Removal in a Sequential Bio-ozone-Bio treatment of a Pulp Factory Wastewater Treatment System”, 6th International Conference on Biology, Environment and Chemistry (ICBEC 2015), New York, the United States of America, 11-12 October 2015

3. Amir Hajiali, Gevorg P. Pirumyan, “Evaluation of Total Solids and Suspended Solids Removal in Wastewater Treatment of Pulp Factories through a bio-ozonation

System”, 7th International Conference of Challenges in Environmental Science and Engineering, Johor Bahru, Malaysia, 12-16 October, 2014.

4. Hajiali A., Pirumyan G., Sharif Vaghefi H.R., Shahmiri M., “Treatment of Pulp Factories Wastewater containing Chorophenolic Compounds with Ozonation”, International Conference on Global Trends in Pure and Applied Chemical Sciences, Udaipur (Rajasthan), India, 3-4 March, 2012,

5. Hajiali A., Pirumyam G., Shahmiri M., “Bio-Ozone-Bio Treatment of Industrial Wastewater Containing Phenolic Chlorine Combinations for Removing Poisonous Pollutants in It”, The first International Scientific-Research Conference of Iranian Post Graduate Students, Yerevan, Armenia, 16-17 September, 2011,

Participated Conferences (Paper Presentation):

□ 4th International Conference on Energy, Environment and Sustainable Development, Mehran University of Engineering and Technology, 1-3 November 2016, Jamshoro, Sindh, Pakistan

□ 6th International Conference on Biology, Environment and Chemistry (ICBEC 2015), 11-12 October 2015, New York, the United States of America

□ 2015 AEESP (Association of Environmental Engineering and Science Professors) Research and Education Conference, Yale University, 13-16 June 2015, New Haven, Connecticut, the United States of America

□ 7th International Conference of Challenges in Environmental Science and Engineering, 12-16 October 2014, Johor Bahru, Malaysia

□ International Conference of Biological Diversity and Conservation Problems of the Fauna of the Caucasus-2, 23-26 September 2014, Yerevan, Armenia

□ 2nd Scientific-Research Conference of Iranian Post Graduate Students, 24-25 June 2013, Yerevan, Armenia

□ International Conference of Young Scientists dedicated to the 70th Anniversary of the National Academy of Science of Republic of Armenia, 3-5 May, 2013, Tsaghkadzor, Armenia

□ International Conference on Global Trends in Pure and Applied Chemical Sciences, 3-4 March 2012, Udaipur (Rajasthan), India

□ 1st International Scientific-Research Conference of Iranian Post Graduate Students, 16-17 September 2011, Yerevan, Armenia

Workshops:

- Biomass Energy, Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan, November 2016.

- Grand challenges and Opportunities in Environmental Engineering and Science in the 21st Century, Yale University, New Haven, Connecticut, United States, June 2015.

- Re-thinking Wastewater Treatment at the Nexus of Energy, Climate Change, and Resource Recovery, Yale University, New Haven, Connecticut, United States, June 2015.

- Using Case Studies to Contextualize Environmental Engineering Problems, Yale University, New Haven, Connecticut, United States, June 2015.

- Integrating Sustainability into Environmental Engineering Curriculum, Yale University, New Haven, Connecticut, United States, June 2015.

- Teaching Design in Environmental Engineering Curriculum, Yale University, New Haven, Connecticut, United States, June 2015.

- MIKE 21 training workshop, organized by the Center for Environment and Energy Research and Studies (CEERS) and Danish Hydraulic Institute (DHI), Tehran, Iran, December 2002

Languages:

Persian (native)-**English** (fluent)-**Armenian** (good)-**Spanish** (fair)-**Arabic** (fair)

- Attended English Teaching Training Course in British Study Center and achieved the International Certificate of teaching English, Oxford, the UK, 2011.

- Have taught English as a foreign language for more than 17 years in different countries.

- Achieved C1-Advanced Level of English from Excel English, London, the UK, 2010.

Hobbies & Interests:

Outdoor Scientific Exploration, Scientific Camping, Poles Studies, Sea Travels

Graduate Courses:

Water Treatment, Wastewater Treatment, Geo-ecology, Solid Waste Materials Pollution and its Control, Air Pollution and its Control, Industrial Ventilation, Climatology, Noise Pollution and its Control, Environmental Planning Management, Specialized English Language, Informatics, Philosophy, Seminar.

Undergraduate Courses:

General Mathematics (1,2), Physics (1,2), General Chemistry, Differential Equations, Computer Programming, Statics, Thermodynamics (1,2), Dynamics, Strength of Materials (1,2), Engineering Mathematics (1,2), Numerical Computations, Fundamentals of Electrical Engineering (1,2), Fluid Mechanics (1,2), Elements Design (1,2), Mechanical Vibrations, Machine Dynamics, Environmental Pollution Control, Heat Transfer (1,2), Automatic Control, Water Transfer Systems, Turbo Machines, Cooling Systems & Cold Store Design, Central Heating & Air Condition, Thermal Power Plants, Control Systems & Measurement, Foundry Workshop, Industrial Drawing, Materials Science, Welding and Sheet Metals Workshop, Physics Lab.(1,2), Technical English Language, Machine Tools & Tools Making Workshop, Auto mechanics Workshop, Fluid Mechanics Lab., Strength of Materials Lab., Heat Transfer Lab., Thermo Dynamics Lab., Mechanical Vibrations Lab., Fundamentals of Electrical Engineering Lab., Specialized Project (Designing Air Conditional Systems for Industrial Use with the Consideration of Environmental Safety)

Countries visited or lived:

England, Armenia, Italy, Scotland, India, Turkey, China, Wales, Singapore, Georgia, Azerbaijan, Thailand, Bahrain, San Marino, Qatar, The U.A.E, Saudi Arabia, Malaysia, Oman, Pakistan, United States of America.

References:

1- Dr. Luiza Citra Campos (Senior Lecturer in Environmental Engineering, UG Programme Director of Environmental Engineering, Dept. Civil, Environmental & Geomatic Engineering, University College London, London, the United Kingdom).

Email Address: l.campos@ucl.ac.uk

Phone Number: +44 (0) 207 679 4162 (Ext. 34162)

2- Professor Mohammad Maneshipour (Professor at Department of Mechanical Engineering, City College / TCI College, New York).

Email Address: mmaneshi@ccny.cuny.edu , mmaneshi@tcicollege.edu

Phone Number: (+1) 212 289 0282 , 212 594 4000 ext. 5705

3- Professor. Bardukh Gabrielyan (Doctor of Biological Sciences, Prof., Director at Scientific Centre of Zoology and Hydroecology, National Academy of Sciences, Yerevan, Armenia).

Email Address: gabrielb@sci.am

Phone Number: (+374-10) 265 961, 281 470

Fax Number: (+374-10) 207 592

Mobile Number: (+374) 91 205 118

4- Dr.Mazyar Salmanzadeh (Doctor of Mechanical Engineering ‘Fluid Mechanics’, Assistant Professor at Shahid Bahonar University of Kerman, Iran).

Email Address: msalmanz@clarkson.edu , msalmanz@mail.uk.ac.ir

Phone Number: (+98-341) 211 4041-7

Fax Number: (+98-341) 211 4049

Mobile Number: (+98) 913 141 3523