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Associate Professor, Civil & Environmental Engineering Faculty,  
Tarbiat Modares University (TMU),  
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**EDUCATION**

- **Ph.D. in Environmental Engineering**, Tarbiat Modares University, Tehran, Iran, 2005  
Thesis title: Determination of Effective Factors on the Production of Poly-Hydroxyalkanoates by Activated Sludge.
- **M.Sc. in Environmental Engineering**, Tarbiat Modares University, Tehran, Iran, 1997  
Thesis title: Effect of Chemical Coagulants and Natural Polymers in the reduction of COD, BOD & SS of Whey.
- **B.Sc. in Chemical Engineering**, Petroleum University, Ahwaz, Iran, 1990  
Thesis title: Gas Dehydration by Triethylene glycol

**EXPERIENCES AND POSITIONS**

- Official Judiciary Expert (since 2012)
- Associate Professor, Civil Eng. Department, Tarbiat Modares University (since 2017)
- Assistant Professor, Civil Eng. Department, Tarbiat Modares University (2008-2017)
- Invited Lecturer in “Tarbiat Modares University” and “K.N. Toosi University” (2005- 2008)
- Chief of Board, Jahesh Kimia Company<sup>1</sup> (Since 2004)
- Managing Director, Jahesh Kimia Company (2001-2004)
- Senior Process Engineer, Jahesh Kimia Company (1998-2001)
- Design Engineer, National Iranian Gas Company (N.I.G.C.), (1990-1995)

**AREAS OF INTEREST**

- Solid Waste Management
- Hazardous Waste Management
- Waste Minimization
- Resource Recovery from waste
- Composting Process
- Leachate Treatment
- Clean Production & Green Productivity
- Biodegradable Polymers
- Environmental Engineering Education

<sup>1</sup> Affiliated to Academic Center for Education, Culture and Research (ACECR) of Sharif University of Technology

**HONORS & AWARDS**

- Ranked 512<sup>th</sup> among more than 89700 applicants in the nationwide exam into Iranian state universities. (1986)
- B.S. Scholarship by Ministry of Petroleum, Iran. (1986-90)
- Ranked as Top of 15% of B.Sc. Period. (1990)
- Ranked 15<sup>th</sup> among more than 1,000 civil engineering applicants in the nationwide M.Sc. entrance exam into Iranian state universities.(1994)
- Graduate Scholarship by Ministry of Science, Research and Technology, Iran, (1994-97)
- Highest Academic standing in Masters of Environmental Engineering, Tarbiat Modares University (TMU), Iran, (1997)

**TEACHING EXPERIENCES****Undergraduate courses (Chemical Engineering)**

- Principal of water and wastewater treatment (3 Cr. Hr.)
- Natural gas treatment and purification (3 Cr. Hr.)
- Gas transmission and distribution (3 Cr. Hr.)
- Gas metering and reducing station design (3 Cr. Hr.)
- Wastewater Treatment Lab. (2 Cr. Hr.)
- Applied mathematics (3 Cr. Hr.)

**Graduate Courses (Environmental Engineering)**

- Geoenvironmental Engineering (3 Cr. Hr.)
- Advance Solid Waste Management (3 Cr. Hr.)
- Solid waste Management (3 Cr. Hr.)
- Hazardous Waste Management (3 Cr. Hr.)
- Unit operations in Water and wastewater Treatment (3 Cr. Hr.)
- Cognition & Management of the Environment (3 Cr. Hr.)
- Sustainability Development (3 Cr. Hr.)

**RESEARCH & DEVELOPMENT PROJECTS**

- Environmental Impact Assessment for Pars Special Economic Energy Zone landfill, **(2013)**
- Preliminary Studies and Process Design for Siri Island Composting plant, **(2012)**
- Environmental Impact Assessment of Different Selected Road in Iran, **(2011)**
- Polyhydroxyalkanoates (PHAs) Production by Activated Sludge, **(2009)**

- Integrated Solid Waste Management for Besat Residential City in Mahshahr, **(2008)**
- Detail Design of Recycling and Disposal Site for Eastern Zone of Golestan Province, **(2007)**
- Integrated Solid Waste Management for Semnan Industrial Estate, **(2006)**
- Preliminary Studies & Detail Design of Gorgan Composting Leachate Treatment Plant, **(2005)**
- Preliminary Studies & Detail Design of Rasht Composting Leachate Treatment Plant, **(2005)**
- Integrated Solid Waste Management for Bandar Imam Petrochemical Complex (B.I.P.C.), **(2005)**
- Integrated Solid Waste Management for Pars Special Economic Energy Zone (PSEEZ), **(2004)**
- Preliminary Studies and Process Design for Gorgan Composting Plant, **(2004)**
- Detail Design of Shokohieh Industrial Estate Wastewater Treatment Plant, **(2004)**
- Detail Design of Anzali Industrial Estate Wastewater Treatment Plant, **(2004)**
- Detail Design of Charmshahr (Mashhad) Industrial Estate Wastewater Treatment Plant, **(2003)**
- Preliminary Studies and Detail Design of Shahd-e-Khorasan and Shahd-e-Kouhrang Factory Wastewater Treatment Plant, **(2003)**
- Environmental Impact Assessment and Investigations of Quantity and Quality of Bandar Imam Petrochemical Complex (B.I.P.C.) Wastewater, **(2002)**
- Water Supply Minimization in Zahedan City by using new Technology, **(2002)**
- Preliminary Studies & Detail Design of Sewer System for Fard-e-Azerbaijan(soft drink) Factory, **(2001)**
- Detail Design of Air Pollutions Collection & Treatment System, for Piroozgam Factory, **(2001)**
- Preliminary Studies and Process Design for Rasht Composting plant, **(2000)**
- Preliminary Studies of Fard-e-Azerbaijan (soft drink) Factory Wastewater Treatment Plant, **(2000)**
- Environmental Impact Assessment of DMT and Piroozgam factory, **(1999)**
- Waste Investigation & Minimization Audit in Uromiyeh Petrochemical Co., **(1999)**
- Investigating of the Produced Pollution (Water, Air, Solid Waste) and its Impact Assessment and Minimizations in Automobile, Machinery, and Foundry Industries, **(1999)**
- Environmental Impact Assessment of Irankhodro and Parskhodro Factory, **(1999)**
- Basic Design of Damavand Industrial Estate Wastewater Treatment Plant, **(1998)**
- Integrated solid waste management for Ahwaz and Mahshahr Cities, **(1998)**
- Integrated Solid Waste Management for Hamadan, Arak, and Tabriz Cities, **(1998)**
- Supervision of Uromiyeh Slaughterhouse Wastewater Treatment Plant, **(1998)**
- Effect of Microorganisms on the Reduction of Composting Process, **(1997)**

**FOREIGN LANGUAGE**

- **English:** Good in reading, writing and speaking

**PUBLICATIONS****Published papers**

- Khataei B., **Mokhtarani, N.**, Ganjidoust H., (2018) "Evaluation of the effect of alternating polarity exchange on crude oil removal from soil by bioelectrokinetic method", Sharif Journal of Science and Technology, (accepted)
- Ghaemini M., **Mokhtarani N.**, (2018) "Remediation of nitrate-contaminated groundwater by PRB-Electrokinetic integrated process", Journal of Environmental Management, Vol. 222, 234-241.
- Attarian P., **Mokhtarani N.**, (2018) "Post-treatment of composting leachate by Sequencing Batch Reactor (SBR)", Modares Civil Engineering Journal(M.C.E.J), Vol.18, No.1, 171-182.
- Ranjbari A., **Mokhtarani N.**, (2018) "Post treatment of composting leachate using ZnO nanoparticles immobilized on moving media", Applied Catalysis B: Environmental, Vol. 220, 211-221.
- Shaterian M., and **Mokhtarani N.**, (2017) "Removal of zinc and nickel from wastewater treatment sludge by combined magnetic separation and leaching with enhanced electrokinetic process", Sharif Civil Engineering Journal, Vol. 33, No. 3.1, 69-76.
- Khataei B., **Mokhtarani, N.**, Ganjidoust H., (2017) "Removal of crude oil from soil using enhanced electrokinetic method by surfactants", Sharif Civil Engineering Journal, Vol. 33, No. 2.1, 107-114.
- Zoqi M.J, Ganjidoust H., **Mokhtarani N.**, Ayati B., (2017) "Effect of inorganic material and non-uniform electrokinetic on solidification/stabilization of lead, zinc and arsenic", Sharif Civil Engineering Journal, Vol. 33, No. 1.2, 79-89.
- Ghasemi Moghadam A., **Mokhtarani N.**, Kavousi A., (2016) "The application of permeable pavement aggregate layers in runoff water treatments", Modares Civil Engineering Journal, Vol. 16, No. 5, 141-151.
- Ghasemi Moghadam A., **Mokhtarani N.**, Kavousi A., (2016) "Removal of heavy metals from surface runoff using permeable pavement aggregate layers", Journal of Transportation Engineering, Vol. 7, No. 4, 629-640.
- Ranjbari A., **Mokhtarani N.**, (2016) "Kinetics study of UV-ZnO photocatalytic process for post treatment of composting leachate", Modares Civil Engineering Journal, Vol.16, No.4, 123-133.
- Zoqi M.J, Ganjidoust H., **Mokhtarani N.**, Ayati B., (2016) "Solidification optimization of electroplating sludge", Journal of Environmental Engineering and Science, Vol. 11, No. 2, 33-43.
- **Mokhtarani N.**, Khodabakhshi S., Ayati B., (2016) "Optimization of photocatalytic post-treatment of composting leachate using UV/TiO<sub>2</sub>", Desalination and Water Treatment, Vol. 57, 22232-22243.
- Zoqi M.J, Ganjidoust H., **Mokhtarani N.**, Ayati B., (2016) "Solidification optimization of electroplating sludge", Journal of Environmental Engineering and Science, Journal of Environmental Engineering and Science, Vol. 11, No. 2, 33-43.
- Soubh A., and **Mokhtarani N.**, (2016) "The post treatment of composting leachate with a combination of ozone and persulfate oxidation processes", RSC Advances, Vol. 6, 76113-22.
- Zoqi M.J, Ganjidoust H., **Mokhtarani N.**, Ayati B., (2015) "Optimization of Solidification and Cement Stabilization of Electroplating Sludge by Response Surface Methodology and Artificial Neural Network Methods", Nashrieh Shimi va Mohandesi Shimi Iran (NSMSI), 34(2), pp:97-109
- **Mokhtarani, N.**, Zahed, F., (2015) "Determination of appropriate sampling area to identify roads pollutant", Sharif Journal of Science and Technology, Vol. 31, No. 2, 75-81.
- **Mokhtarani N.**, Yasrobi S.Y., and Ganjidoust H., (2015) "Optimization of Ozonation Process for a

Composting Leachate-Contaminated Soils Treatment Using Response Surface Method", *Ozone: Science & Engineering*, Vol. 37, No.3, 279–286.

- **Mokhtarani N.**, Nasiri A., Ganjidoust H., and Yasrobi S.Y., (2014) "Post-treatment of Composting Leachate by Ozonation", *Ozone: Science & Engineering*, Vol. 36, No.6, 540-548.
- **Mokhtarani N.** Khodabakhshi S., Ayati B., (2014) "UV-TiO<sub>2</sub> Photocatalytic Degradation of Compost Leachate", *Modares Civil Engineering Journal*, 14 (autumn), 117-126.
- Hakimi B., Ganjidoust H., **Mokhtarani N.**, (2014) "Investigating the possibility of using water treatment plant sludge in brick making", *Journal of Water and Wastewater*, Vol. 25, No.92, 59-65.
- Hassani A.H., **Mokhtarani, N.**, Bayatfard, A., (2012) "Post-treatment of composting leachate using a combination of aerobic completely mixed and plugs flow reactors ", *Journal of Environmental Science and Technology*, Vol. 14, No.4, 1-9.
- **Mokhtarani, N.**, Zahed, F., Partani S., "Determining Environmental Audits Pattern for Iran Roads", *Journal of Transportation Engineering*, Vol.4, No.3, 247-262.
- **Mokhtarani N**, Ganjidoust H., and Farahani E.V., (2012) "Effect of Process Variables on the Production of Polyhydroxyalkanoates by Activated Sludge ", *Iranian Journal of Environmental Health Science and Engineering (IJEHSE)*, Vol.9, No.6,
- Nasiri A., **Mokhtarani N.** and Ganjidoust H., (2012) "Final treatment of leachate by Granular Activated Carbon (GAC) adsorption ", *Journal of Civil and Environmental Engineering*, Vol.41, No.2, 71-76.
- **Mokhtarani N**, Bayatfard, A., and Mokhtarani B., (2012) " Full-Scale Performance of Compost's Leachate Treatment by Biological Anaerobic Reactors ", *Waste Management & Research*, Vol.30, No.5, 524-529.
- Nasiri A., **Mokhtarani N.** and Ganjidoust H., (2012) "Post Treatment of Composting Leachate by Means of Ozonation and Granular Activated Carbon (GAC) Adsorption", *Modares Civil Engineering Journal (M.C.E.L)* Vol.12, No.1, 85-95.
- Ganjidoust H., **Mokhtarani N.**, Ayati B., and Jafarpour M., (2010) "production of Polyhydroxyalkanoates (PHAs) by Activated Sludge Using Municipal Wastewater", *Iranian Journal of Chemistry & Chemical Engineering*, Vol. 29, NO. 3, 169-177.
- Meschi Nezami M., Ganjidoust H., **Mokhtarani N.**, Ayati B., (2010) "Investigation of PHA Polymer Production from Sludge of Municipal Wastewater Treatment Plant and Its Effect on Sludge Volume Reduction", *Iranian Journal of Health and Environment*, Vol. 3, NO. 4, 451-460.
- Alavi Moghaddam M.R., **Mokhtarani N.**, Mokhtarani B., Rezaee R., (2010) "Quantitative and Qualitative Analysis of Municipal Solid Waste of Petrochemical Complexes in Mahshahr and Bandar Imam region", *Journal of Environmental Science and Technology*, 11(4), 459-466.
- Hassani H.A., **Mokhtarani, N.**, Bayatfard, A., (2009) "Feasibility study of Rasht compost's leachate treatment by anaerobic filters (Downflow & up flow)", *Journal of Environmental Science and Technology*, 11(3), 43-50.
- **Mokhtarani N.**, Ganjidust H., Vasheghani Farahani E., Khaleghi Sarnamy M., (2008) "Effect of VFAs in the production of Polyhydroxyalkanoates (PHAs) by activated sludge", *Iranian Journal of Polymer Science & Technology*, 21 (1), 83–90.
- **Mokhtarani N.**, Ganjidust H., Khaleghi Sarnamy M. and Borghee M., (2008) "Effect of Nitrogenous Compounds Coexistence in the Production of Polyhydroxyalkanoates (PHAs) by Activated Sludge", *Journal of Environmental Science and Technology*, 10(3), 85-92.
- Alavi Moghaddam M.R. **Mokhtarani N.**, and Mokhtarani B., (2008) "Municipal solid waste management in Rasht city, Iran", *Waste Management Journal* 29(1) 485-489

- Alavi Moghaddam, M.R., **Mokhtarani N.** and Mokhtarani B., (2007) "Solid waste management in Abadan and Khorramshahr, Iran", *Waste and Resource Management*, 160, 141-144.
- **Mokhtarani N.**, Alavi Moghadam M.R., Mokhtarani B., Rezaee R., Naserian S. (2007) "Industrial solid waste management in Bandar Imam Petrochemical Complex (B.I.P.C) ", *Journal of Environmental Science and Technology*, Vol. 9, No.1., pp 47-54.
- **Mokhtarani N.**, (2007) "Plastic Material Problem on Urban Trashes", *Payam-e-Sabz* 6(58), 40-43.
- Ganjidust H., Khaleghi Sarnamy M. and **Mokhtarani N.**, (2007) "Effect of Natural Polymers and Chemical Coagulants on the Dewatering of Sewage Sludge", *Iranian Journal of Polymer Science & Technology*, 19 (6), 485–491.
- Mokhtarani B., Alavi Moghaddam M.R., **Mokhtarani N.**, and Jomeh Khaledi H, (2006) "Report: Future industrial solid waste management in Pars Special Economic Energy Zone (PSEEZ), Iran", *Waste Management & Research* 24, 283-288.
- Ganjidust H., Vasheghani Farahani E., Borghee M. and **Mokhtarani N.**, (2005) "Investigation of polyhydroxyalkanoates (PHAs) Production in Activated Sludge Reactor", *Iranian Journal of Polymer Science & Technology*, 17 (6), 353–357.
- Ganjidust H., **Mokhtarani N.**, (2002) "Comparison of Chemical Coagulants and natural Polymers on the Reduction of Organic Load of Whey", *Iranian Journal of Polymer Science & Technology*, 2 (58), 75–79.
- **Mokhtarani N.**, Ganjidoust H., Sabzevari A., (2001) "Effect of natural Polymers and Chemical Coagulants in the Reduction of BOD .COD and SS of Whey", *International Journal of Engineering Science*, 6 (11), 99-106.
- **Mokhtarani N.**, Ganjidoust H., (1999) "Applications of Whey", *Barzegar*, 19 (783), 20-24.

## Books

- **Mokhtarani N.**, Alavi Moghadam M.R., Mokhtarani B, (2007), "Hazardous waste management", ISBN: 964-6445-07-01 , Jahade Daneshgahi Sharif. (In Persian)
- Nemati S., Nemati M., Tahmoorian F., Daneshvar M.T. and **Mokhtarani N.** (2008), "Abbreviations of Environmental Engineering and Related Sciences", ISBN: 978-964-03-5790-3, University of Tehran Press.

## Symposium proceedings

- Baharifar A, **Mokhtarani N.**, "Spent Caustic treatment by electrocoagulation process", The 4th International conference on Environmental Engineering, 24 June 2018, Tehran, Iran.
- Parandoush S., **Mokhtarani N.**, "Reduction of excess sludge production in SBR using intermittent ozonation", National Conference on Basic Research in Civil Engineering Architecture and Urban Planning, 29 June 2018, Allameh Tabataba'i University (ATU), Tehran, Iran.
- Sajadi S.M.M., **Mokhtarani N.**, "A review of modern technics of waste management, with emphasis on the pyrolysis process", The 4<sup>th</sup> International Conference on Environmental Planning and Management, 23-24 May 2017, Tehran University, Tehran, Iran.
- Davoudi A., **Mokhtarani N.**, "Biological excess sludge reduction using ozonation process", The 8<sup>th</sup> National Conference & Exhibition on Environmental Engineering, November 2016, Tehran University, Tehran, Iran.

- Ghaemina M., **Mokhtarani N.**, “An overview of the structure and performance of permeable reactive barriers in the clean-up of groundwater resources”, The 8<sup>th</sup> National Conference & Exhibition on Environmental Engineering, November 2016, Tehran University, Tehran, Iran.
- Karim S., **Mokhtarani N.**, “A Review of the Treatment combined ozonation and biological processes”, The 8<sup>th</sup> National Conference & Exhibition on Environmental Engineering, November 2016, Tehran University, Tehran, Iran.
- Golmohamadi M, Ganjidoust H., **Mokhtarani N.**, “Review the types of permeable pavement and its effect on improving the quality of urban runoff”, Annual Conference on Research in Civil Engineering, Architecture and Urban Management and Sustainable Environment, 12 December 2015, IRIB International Conference Centre, Tehran, Iran.
- Davoudi A., **Mokhtarani N.**, “Biological excess sludge volume reduction”, International Conference on Environmental Science, Engineering & Technologies (CESET), 5-6 May 2015, Tehran University, Tehran, Iran.
- Attarian P., **Mokhtarani N.**, “An overview of the leachate treatment via Sequencing Batch Reactor”, International Conference on Environmental Science, Engineering & Technologies (CESET), 5-6 May 2015, Tehran University, Tehran, Iran.
- Baran Cheshmeh F, **Mokhtarani N.**, “Factors affecting leachate treatment using microwave Fenton process”, The 9<sup>th</sup> National Conference on World Environment Day, 1 Jun 2015, Tehran University, Tehran, Iran.
- Golmohamadi M, Ganjidoust H., **Mokhtarani N.**, “The use of photocatalytic pavements to reduce air pollution”, The 9<sup>th</sup> National Conference on World Environment Day, 1 Jun 2015, Tehran University, Tehran, Iran.
- Ranjbari A., **Mokhtarani N.**, “Post-treatment of Composting Leachate by Photocatalytic Process”, Waste-to-Resources 2015, 6<sup>th</sup> International Symposium MBT, MRF & Recycling, May 7-10, Hanover, Germany.
- Attarian P., **Mokhtarani N.**, “Life Cycle Assessment”, The 7<sup>th</sup> National Conference & Exhibition on Environmental Engineering, 6-10 Dec 2014, Tehran University, Tehran, Iran.
- Baran Cheshmeh .F, **Mokhtarani N.**, Khodadadi A., “A review of Surface Water Quality Models”, The 7<sup>th</sup> National Conference & Exhibition on Environmental Engineering, 6-10 Dec 2014, Tehran University, Tehran, Iran.
- Baran Cheshmeh .F, **Mokhtarani N.**, “Leachate Treatment via Microwave Radiation”, The 7<sup>th</sup> National Conference & Exhibition on Environmental Engineering, 6-10 Dec 2014, Tehran University, Tehran, Iran.
- Soubh A., **Mokhtarani N.**, “Post Treatment of Composting Leachate by means of Persulfate Oxidation”, The 11<sup>th</sup> International Symposium on Southeast Asian Water Environment (SEAW11), 26-28 Nov 2014, Asian Institute of Technology (AIT), Bangkok, Thailand.
- Shafaghatian M, **Mokhtarani N.**, “Post-treatment of composting leachate via Photo-Fenton Process”, The 8<sup>th</sup> National Conference on World Environment Day, Tehran University, 24 June 2014, Tehran, Iran.
- Soubh A, **Mokhtarani N.**, “Comparison of ozonation and persulfate oxidation methods in post-treatment of composting leachate”, The 8<sup>th</sup> National Conference on World Environment Day, Tehran University, 24 June 2014, Tehran, Iran.
- Shafaghatian M, **Mokhtarani N.**, “Performance of granular activated carbon (GAC) for the removal of the organic load from composting leachate”, The 1st National Conference of Architecture, Civil and Urban Environment. 22<sup>th</sup> May 2014, Shahid Mofateh Faculty, Hamedan, Iran.

- Ghasemimoghadam A., **Mokhtarani N.**, and Kavooosi A., "Evaluation of heavy metals removal from surface runoff using a laboratory-scale permeable pavement", 8<sup>th</sup> National Congress on Civil Engineering, 6-7 May 2014, Babol Noshirvani University of Technology, Babol, Iran.
- Davoudi A, **Mokhtarani N.**, and Mousavian M.A., "Examine the types of metal oxides nanoparticles for the removal of heavy metals from water and wastewater", The 1<sup>st</sup> National Conference of Nanotechnology: Benefits and Applications. 6<sup>th</sup> March 2014, Shahid Mofateh Faculty, Hamedan, Iran.
- Ranjbari A., and **Mokhtarani N.**, "P Factors influencing the photocatalytic post treatment of composting leachate", The 1<sup>st</sup> National Conference of Planning, Conservation, Environmental Protection and Sustainable Development, 20<sup>th</sup> February 2014, Hamedan, Iran.
- Ghasemimoghadam A., **Mokhtarani N.**, and Kavooosi A., "Effect of permeable pavements using recycled aggregates for the removal of phosphorus from surface runoff", The 1<sup>st</sup> National Conference of Planning, Conservation, Environmental Protection and Sustainable Development, 20<sup>th</sup> February 2014, Hamedan, Iran.
- Ghasemimoghadam A., **Mokhtarani N.**, and Kavooosi A., "Phosphorous sorption via slag aggregates: adsorption isotherm", The 1<sup>st</sup> National Conference of Planning, Conservation, Environmental Protection and Sustainable Development, 20<sup>th</sup> February 2014, Hamedan, Iran.
- **Mokhtarani N.**, Khodabakhshi S., and Ayati B., "Optimization of photocatalytic post treatment of composting leachate using UV/TiO<sub>2</sub>", 1<sup>st</sup> International Forum on Asian Water Environment Technology, 18-21 December 2013, Jawaharlal Nehru University, New Delhi, India.
- Shafiee E. and **Mokhtarani N.**, "Treatment of MTBE contaminated water by means of ozonation and granular activated carbon (GAC) adsorption", 1<sup>st</sup> International Forum on Asian Water Environment Technology, 18-21 December 2013, Jawaharlal Nehru University, New Delhi, India.
- Rezaei M., **Mokhtarani N.**, and Rahimi S., "Advance technology in energy recovery and municipal solid wastes disposal", The 1<sup>st</sup> conference and exhibition on the environment, energy, and clean industry, 2-3 December 2013, Tehran university, Tehran, Iran.
- Shaterian M., and **Mokhtarani N.**, "Effect of time and voltage gradient on the removal of zinc from industrial wastewater treatment sludge using electrokinetic process.", 3<sup>rd</sup> National Fuel ,Energy and Environment Congress, Material and Energy Research Center, 17-18 September 2013, Karaj, Iran.
- Shaterian M., and **Mokhtarani N.**, "Effect of EDTA on the electrokinetic process to remove heavy metals from soil", The 7<sup>th</sup> National Conference on World Environment Day, Tehran University, 1 June 2013, Tehran, Iran.
- Sehat H., Ganjidoost H. and **Mokhtarani N.**, "Effects of using nano-SiO<sub>2</sub> and wastewater sludge on properties of cement mortar", 10<sup>th</sup> international congress on advances in civil engineering, 17-19 October 2012, Middle East Technical University, Ankara, Turkey.
- **Mokhtarani N.**, Zahed F., and Partani S., "Pilot Implementation of Environmental Audits for Selected Roads" The 12<sup>th</sup> International Conference on traffic and Transportation Engineering, 19-20 Feb 2013, Tehran, Iran.
- Shafie N.E. and **Mokhtarani N.**, " Remediation of MTBE-contaminated soils using soil washing process ", The 3<sup>th</sup> National Conference of Waste Management in the oil and energy industries, 27 Dec 2012, Tehran, Iran.
- Shaterian M., and **Mokhtarani N.**, "Methods for removal of heavy metals from soil", The 6<sup>th</sup> Conference on Environmental Engineering, 17-20 Nov 2012, Tehran, Iran.
- Khataei B., and **Mokhtarani N.**, "Techniques, improved electrokinetic methods in treating contaminated soils", The 6<sup>th</sup> Conference on Environmental Engineering, 17-20 Nov 2012,



Tehran, Iran.

- Sehat H., Ganjidoust H., and **Mokhtarani N.**, "Reuse of wastewater sludge and silica nanoparticles in the environment-friendly cement mortar", The 6<sup>th</sup> National Conference on World Environment Day, Tehran University, 13-15 June 2012, Tehran, Iran.
- Shaterian M., and **Mokhtarani N.**, "Methods to remove heavy metals from wastewater", The 6<sup>th</sup> National Conference on World Environment Day, Tehran University, 13-15 June 2012, Tehran, Iran.
- Ghasemimoghadam A., Dezvareh GH., **Mokhtarani N.**, "Survey and selection of best plant (from four plant variety) for Phytoremediation of lead-polluted soils", The 6<sup>th</sup> National Conference on World Environment Day, Tehran University, 13-15 June 2012, Tehran, Iran.
- Ghasemimoghadam A. and **Mokhtarani N.**, "Assessment of different composting processes", The 2<sup>nd</sup> National Iranian Conference on Environmental Planning and Management (NICEPM), Tehran University, 15-16 May 2012, Tehran, Iran.
- **Mokhtarani N.**, Ganjidoust H., and Yasrobi Y., " Determining effects of ozonation of composting leachate polluted soils on their mechanical properties", 9<sup>th</sup> International Congress on Civil Engineering, May 8-10, 2012, Isfahan University of Technology, Isfahan, Iran.
- Shafie N.E. and **Mokhtarani N.**, " Comparison of physical and chemical methods for treating MTBE-contaminated water ", The 5<sup>th</sup> Conference on Environmental Engineering, 19-22 Nov 2011, Tehran, Iran.
- Khodabakhshi S. and **Mokhtarani N.**, "Effect of MBT systems on the municipal solid waste management in Iran ", The 5<sup>th</sup> Conference on Environmental Engineering, 19-22 Nov 2011, Tehran, Iran.
- **Mokhtarani N.**, Khaleghi Sarnamy M. and Mokhtarani B., "The Role of MBT in increasing the number of composting facilities in Iran", 4<sup>th</sup> international symposium and exhibition on mechanical-biological waste treatment (MBT / AWT) and material recovery facilities (MRF) Waste-to-Resources 2011, May 24-26, Hanover, Germany.
- Bayatfard A. and **Mokhtarani N.**, "Compost's leachate treatment by the combination of aerobic Completely Mixed and Plug Flow Process", The 4<sup>th</sup> Conference on Environmental Engineering, 23-25 Oct 2010, Tehran, Iran.
- Yasrobi Y. and **Mokhtarani N.**, "Supercritical fluid extraction of the polluted soil", The 4<sup>th</sup> Conference on Environmental Engineering, 23-25 Oct 2010, Tehran, Iran.
- Yasrobi Y. and **Mokhtarani N.**, "Ozone treatment of soil", The 4<sup>th</sup> Conference on Environmental Engineering, 23-25 Oct 2010, Tehran, Iran.
- Nasiri A. and **Mokhtarani N.**, "Ozone post treatment of leachate", The 4<sup>th</sup> Conference on Environmental Engineering, 23-25 Oct 2010, Tehran, Iran.
- Nasiri A., **Mokhtarani N.** and Ganjidoust H., "Leachate treatment by granular activated carbon adsorption process", Proceedings of 4<sup>th</sup> National Conference on World Environment Day, Institute of Energy & Environment, University of Tehran, June 8-9, 2010 Tehran, Iran.
- Nasiri A. and **Mokhtarani N.**, "RDF Production From Municipal Solid Waste", Proceedings of 1<sup>st</sup> National Congress on Advances Technology in Recycling Industries, Iran Department of Environment, December 8-10, 2010 Tehran, Iran.
- **Mokhtarani N.**, Ganjidoust H., Nemati S., "Determination of Effective Factors on the Co-Composting of Municipal Solid Waste with Sewage Sludge", Proceedings of 2<sup>nd</sup> International Symposium on Environmental Eng., K.N. Toosi University of Technology, January 19-21, 2010 Tehran, Iran.

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