

## RESUME

### PERSONAL INFORMATION:

**Name:** Hossein Ganjidoust, Ph.D., Full Prof.  
**Date of Birth:** April 17, 1953, Tehran, I.R.Iran  
**Address:** Environmental Engineering Division  
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### EDUCATION:

- B.Sc. in Chemical Engineering, Kansas State University, Manhattan, KS, 1976
- M.Sc. in Ind. Management, Central Missouri State Univ., Warrensburg, Missouri, USA, 1977
- M.Sc. in Sanitary Eng., University of Missouri-Columbia, Columbia, Missouri, USA, 1980
- Ph.D. in Civil Eng. (Env. Eng.) University of Missouri-Rolla, Rolla, Missouri, USA, 1988
- One Year of Sabbatical Leave At The National Institute for Resources & Environment (NIRE), Tsukuba Science City, Tsukuba, Ibaraki, Japan, March 1995 to April 1996

### LANGUAGES SKILLS:

- English: Fluent in reading, writing and speaking
- Arabic: Fluent in writing and reading and good in speaking

### PROFESSIONAL SOCIETIES:

- Members of several scientific Journals such as:
  - American Chemical Society (ACS)
  - American Water Work Association (AWWA)
  - Environmental Science & Technology (ES&T)
  - Water Science & Technology (WS&T)
  - The Int. Assoc. on Water Quality (IAWQ)
  - Water Environment & Technology (WET)
- Editorial Board of:
  - Tarbiat Modares Civil & Environmental Engineering
  - Shahid Beheshti Environmental Science
  - Iran Transportation Research

### CONSULTING EXPERIENCES:

- Asian Countries Science Consular & Iranian Student Advisors 2012- 2016
- Department of Environment (DOE) 198- 2012

- Tehran Sewerage Company 2002- 2012
- UNESCO Committee of Man & Environment 1997- 2012
- World Bank & Guilan Water & Wastewater Company (GWWC) 2004- 2010
- Tehran, Meteorological Organization (IRIMO) 1988- 1992
- Ministry of Ind. & Mine (Environ. Office) 1992- 2012
- DOE's Sustainable Development 1996-2012
- Several Industries and companies 1988- Now

### EXPERIENCIES:

- Teaching in over 30 scientific workshops such as: sanitary & industrial wastewater treatment, solid & hazardous waste management, waste minimization methods in industries & water consumption reduction,
- Supervisor of over 25 research projects
- Supervisor of 20 Ph.D. theses (Finished)
- Supervisor of 6 Ph.D. theses (in process)
- Supervisor of over 120 M.Sc. theses (Finished)
- Supervisor of 6 M.Sc. theses (in process)
- Advisor of 4 Ph.D. theses (in process)
- Advisor of 24 M.Sc. theses (Finished)
- Advisor of 6 M.Sc. theses (in process)

### TEACHING EXPERIENCES:

Mostly graduate courses are taught in Iran, USA & China:

- Water & Wastewater Treatment & Plant Design
- Industrial Water & Wastewater Treatment & Plant Design
- Physicochemical Water & Wastewater Processes
- Water Chemistry & Microbiology
- Unit Operation Laboratory
- Solid & Hazardous Waste Management
- Air Pollution Control
- Soil Pollution, Surface & Groundwater Pollution & Control Modeling

### RESEARCH AREAS:

- Advanced Water & Wastewater Treatment
- Industrial Wastewater Treatment
- Clean Production & Green Productivity
- Wetland Pollution Control

### PROJECTS:

- Whey & Cheese Wastewater Treatment.
- RBC in the Treatment of Refinery Wastewater.
- Physicochemical Treatment of Textile Wastewater.
- Dye Removal from Textile Wastewater.
- Detergent Removal from Industrial Wastewater.
- Groundwater Quality & Purification of Khorasan Province.

- Wastewater Treatment Plant Design Criteria & Operation.
- Activated Sludge Design & Modeling.
- Treatment of Food Industries Wastewater using RBC, SBR, & TF.
- Physicochemical Treatment of Pulp & Paper Wastewater.
- Role of Coagulant and Peroxidase in the removal of chlorophenols and lignin from Pulp & Paper Wastewater.
- Upgrading the Tehran's Compost Treatment Plant.
- Biological Treatment (Suspended & Attached Growth) of Pulp & Paper Wastewater.
- Pulp & Paper Wastewater Treatment Using Activated Sludge Process.
- River Water Quality, Modeling & Control.
- Lead Removal from Lead Mine Industry.
- Bulking Problem in the Activated Sludge Process.
- Physicochemical & Biological Treatment of Textile Wastewater.
- Pilot Scale Biological Treatment of Pulp & Paper Wastewater Industries at CHUKA, Iran.
- Treatment of Textile Wastewater by Chemical & Biological Processes.
- Recovery of Chromium from Wastewater in Plating Industry.
- Recovery of Useful Materials from Whey Wastewater in Hamadan, Iran.
- Effect of Hazardous Waste on the Environment
- Waste investigation & minimization audit in Uromiyeh Petrochemical Industry
- Study of Two-Stage Up-flow Aerobic & Anaerobic Reactor.
- Treatment of Wool Wastewater Industries.
- Removal of Asbestos from Wastewater by Coagulant.
- Status of Anaerobic Treatment in Iran's Industries Wastewater.
- Preparation of Practical Guideline Manual for Rain Water Analysis
- Preparation of Information Bank for Municipal Wastewater Researches.
- Green Productivity Demonstration Project (GPDP) in Iran Khodro Company
- Physicochemical Treatment of Iran Wood Fiber Wastewater.
- Reduction of COD and Total Solids by Dissolved Air Flotation System in Iran
- Wastewater Minimization Implementation in Major Industries
- Pollution Control in the Anzali Marsh of the Guilan Prov. in Iran.
- Study of the Trade Wastewater Discharge Standards
- Improving Water & Wastewater Network & Treatment Systems in Guilan Prefecture, The World Bank & Guilan Water & Wastewater Company, Guilan, Iran

#### WORKSHOPS (as Resource Person):

1. Sino-Iranian Workshop on Water Environment, 2-6 May 2018, Xiamen, China
2. 1<sup>st</sup> China-Iran Joint Workshop on Medical Plants (Huazhong Agri. U. & TMU) Nov. 2016.
3. Environmental Engineering, 2<sup>nd</sup> Joint Workshop (Tarbiat M.U & Guangzhou U.) May 2016.
4. Environmental Engineering,, 1<sup>st</sup> Joint Workshop (Tarbiat M.U & Guangzhou U.), Sept. 2015
5. Environmental Mgt.: For Middle and Base Managers, Fars Province, Shiraz, March 2011
6. Nano technology in Water and Wastewater Treatment, Rural Water and Wastewater Company, Guilan Province, Anzali, Jan. 2011
7. Wastewater Treatment in Hot Climate, 28- Nano Technology in Water and Wastewater Treatment, Rural Water and Wastewater Company, Guilan Province, Anzali, Jan. 2011
8. Recognition Of Wastewater Treatment Methods in Tropical Regions, Water and Wastewater Company, Booshehr Province, Booshehr, May 2010
9. Water, Life and Methods of Water Consumption Saving and Wastewater Generation Minimization, Water and Wastewater Co., Booshehr Prov., Booshehr, Feb. 2009 & May 2010

10. Water, Life & Environment and Water & Minimization, Bucher, Iran, Jan. 2010
11. Villages Water & Wastewater Management, Lahijan, Guilan, Iran, Feb. 2010
12. Advanced Wastewater Treatment, Tabriz, Iran, Dec. 2009
13. Saline Wastewater Treatment, Hormozgan, Sept. 2009
14. Villages Water & Wastewater Environmental Management, Rasht, Guilan, Iran, Jan. 2009
15. Villages Water & Wastewater Environmental Management, Rasht, Guilan, Iran, Jan. 2009
16. Environmental Impact Assessment of the World Bank Guilan Network System Projects, Anzali, Guilan, Iran, Dec. 2007 & Dec. 2008
17. Improving Water & Wastewater Utility Performance & Service Provision, Business Planning & Risk Management by The World Bank & National Water & Wastewater Engineering Company, Tehran, Iran May 30, 2007
18. Workshop on Strategies for Clean Air in Tehran, Meteorological Organization (IRIMO), 10-12 June 2006, Tehran, Iran
19. Iran-Germany Joint Workshop on The New Technologies in Water and Wastewater Industries in Cooperation with Ministry for Economics & Work of NRW State of Germany, 12-13 Dec. 2004, Tehran, Iran.
20. Inventory Plan of PCBs, 1 Dec. 2004, DOE and UNDP, Tehran, Iran.
21. Workshop on Rain Water Analysis, Organized by Organization of Metrological Research and Tarbiat Modares University, 9-10 December 2003, Tehran, Iran.
22. Workshop on Green Productivity (GP) for Curriculum Developers, Organized by Organization Research and Planning (OERP) with support from Asian Productivity Organization (APO), Department of Environment (DOE), and National Iranian Productivity Organization (NIPO), 30 November - 4 December 2003, Tonekabon, Mazandaran, Iran.
23. Green Productivity in Iran Khodro Auto. Co. Tehran, Oct. 28-29, 2003.
24. The First National Workshop on Industrial Hazardous Waste Management, Ministry of Industries and Mines: Environmental Office, Brandenburg Technical University (BTU): Chair of Chemical Engineering & Hazardous Wastes, Department of Environment: Water & Soil Pollution Office, Tehran, Iran, 19-21 July 2003.
25. GP and Hazardous Waste Minimization, Taipei, Taiwan, 28-31 Oct. 2002.
26. The first Workshop on G.P. in Education, Tehran, I.R., Iran, 1-4 Sept. 2002.
27. Industrial Waste Minimization, Yazd, Iran, July 21, 2002.
28. The first Workshop on Green Productivity (GP) in Petrochemical Industries, Isfahan, Iran, 16-19 July 2002.
29. ISO 14000 for Electronic & communication Co, Yaza, Iran, 11 July 2002.
30. Water Minimization in Sistan & Baloochestan Pref., Zahedan, I.R., Iran, 7-8 May 2002.
31. Environmental Management and Cleaner Technology for the Petrochemical Industry in the Asia Pacific Region, Organized by Industrial Development Bureau, Ministry of Economic Affairs, Kaohsiung, Taiwan, ROC, Oct. 16-20, 2000
32. Air Pollution Management, Dept. of Environment, Tehran, Iran, 1998.
33. ISO 14000, Manama, Bahrain, November 1997

### PUBLICATIONS:

- Publication of 3 books
- Publication of 130 papers in scientific national and ISI Journals
- Presentation of over 200 papers in national & international conferences

### Book:

- Principles of construction debris Landfill Site Selection (Case study: Tehran), Department of Housing and Urban Development, Building and Housing Research Center, Feb. 2013 (in

Persian)

- Application of Moving Bed Biofilm Reactor (MBBR) in Sanitary & Industrial Wastewater Treatment, Tarbiat Modares Univ. Pub., Feb. 2011 (in Persian)
- Hazardous Waste Management in Islamic Republic of Iran, HWM Policies and Practices in Asian Countries, pp. 124-154, Asian Productivity Organization (APO), Tokyo, October 2001

### Journals:

1. Optimization of Parameters Depended on the Electrode in the Dye Treatment by Use of the Electro-Coagulation-Flotation Process, Accepted for publication in Sharif J. of Science and Technology (in Persian).
2. Analysis of Photocatalytic Degradation of Azo Dyes under Sunlight with Response Surface Method, Accepted for Publication in Journal of Desalination & Water Treatment
3. Kinetic study on photocatalytic degradation of Acid Orange 52 in a baffled reactor using TiO<sub>2</sub> nanoparticles, Journal of Environmental Sciences, Vol. 79, pp. 213-224, May 2019, <https://doi.org/10.1016/j.jes.2018.06.012>
4. Optimization of parameters of Electrocoagulation/ Flotation Process for Removal of Acid Red 14 with Mesh Stainless Steel Electrodes, Journal of Water Reuse and Desalination, Spring 2018, Vol. 8, No. 2, pp. 278- 292, DOI: 10.2166/wrd.2017
5. Textile Dye Removal using a Photocatalytic Cascade Disc Reactor Coated by ZnO Nanoparticles: The Effects of Hydraulic Parameters, ASCE's Journal of Environmental Engineering, DOI: [http://dx.doi.org/10.1061/\(ASCE\)EE.1943-7870.0001092](http://dx.doi.org/10.1061/(ASCE)EE.1943-7870.0001092)
6. Mass Transfer Phenomenon in Photocatalytic Cascade Disc Reactor: Effects of Artificial Roughness and Flow Rate, Chemical Engineering & Processing: Process Intensification, Vol. 116, pp. 48- 59, 2017, DOI: 10.1016/j.cep.2017.03.004.
7. Colored Wastewater Treatment Using Electro-coagulation-flotation Method with Mesh Stainless Steel Electrode, Journal of Environmental Sciences, Vol. 43, Issue 2, Summer 2017, pp. 195- 206 (in Persian).
8. Removal of Crude Oil From Soil using Enhanced Electrokinetic Method by Surfactants, Civil Engineering Sharif, Vol. 33.2, Issue 2.1, pp. 107-114, Summer 2017, (in Persian).
9. Effect of Inorganic Material and Non-Uniform Electrokinetic on Solidification/Stabilization of Lead, Zinc and Arsenic, Civil Engineering Sharif, Vol. 33.2, Issue 1.2, pp. 78-89, Spring 2017 (in Persian).
10. Removal of Petroleum Hydrocarbons from Contaminated Waters using a Solar Photocatalytic Process, Journal of Ferdowsi Civil Engineering, Vol. 29, No.1, pp. 37-48, Spring 2017, DOI: 10.22067/civil.v29i1.42661 (in Persian).
11. MBBR System Performance Improvement for Petroleum Hydrocarbon Removal Using Modified Media with Activated Carbon, Water Science and Technology, Vol.73, No. 9, pp. 2275-83, 2016, DOI: 10.2166/wst.2016.013.
12. Comparing the Capability of Photocatalyst Nano Zinc Oxide Process by Two Slurry and Immobilized Methods in Dye Acid Orange 7 Removal, J. of Environmental Studies, Vol. 42, Issue 4, pp. 855- 867, Winter 2017 (in Persian).
13. Phenol Removal and Bio-electricity Generation using a Single-chamber Microbial Fuel Cell in Saline and Increased- Temperature Condition, Journal of Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 38, Issue 22, pp. 3300-3307, Oct. 2016, <http://dx.doi.org/10.1080/15567036.2016.1156196>.
14. Simultaneous Removal of Salinity and Organic Loading Rate using Phytoremediation, J. of Environmental Studies, Vol. 42, Issue 3, pp. 531- 550, Autumn 2016 (in Persian).
15. Solidification Optimization of Electroplating Sludge, Journal of Environmental Engineering and Science, Vol. 11, Issue JS2, pp. 33- 43, June 2016, DOI: <http://dx.doi.org/10.1680/jenes.16.00005>

16. Determining the optimum conditions for photocatalytic dye removal by Polyaniline/Graphene nano-composite under visible light irradiation, *Journal of Color Science and Technology*, Vol. 10, No. 1, pp. 31- 42, Spring 2016 (in Persian).
17. Experimental Improvement Ways for Hydraulic Performance of Lab- scale Stabilization Pond, *Iranian Chem. Eng. Journal*, Vol. 14, No. 82, pp. 30- 38, Winter 2016 (in Persian).
18. Using Excess Biomass Sludge Acclimated in Side Stream Partial Nitrification to Evaluation Partial Nitrification and Abrupt Cold Shock Effect in Main Stream, *Iranian Journal of Env. Tech.*, Vol. 1, No. 2, pp. 53- 64, Autumn 2015 & Winter 2016.
19. Oxytetracycline Removal with Nano Zero Valent Iron Using the Photo-oxidation Process and Optimization of Comparative Ions, *J. of Water and Wastewater*, Vol. 26, Issue 5, pp. 65-74, December 2015 (in Persian).
20. Removal of Petroleum Hydrocarbons from Oil Refinery Wastewater using Natural Adsorbents: Isotherm and Kinetics Study, *Sharif J. of Science and Technology*, Vol. 31.2, Issue 3.2, Autumn 2015, pp. 41- 48 (in Persian).
21. Evaluation of the Effects of Aeration Cycle and Culture Medium Concentration on Biomass Qualitative and Quantitative Indices in Microalga *Spirulina* as Candidate for Wastewater Treatment, *Aquatic Ecology*, Vol. 5, No. 2, pp. 87- 99, Autumn 2015 (in Persian).
22. Evaluation of Kinetic Models in Water Salinity Reduction by Phyto-remediation Method with Three Halophyte Plants, *Journal of Modares Engineering*, Vol. 15, No. 3, pp. 63- 72, Fall 2015 (in Persian).
23. Comparison of Phosphorus Removal Efficiency in Reed, Bamboo & Cyperus, *Journal of Modares Engineering*, Vol.15, pp. 89-96, Summer 2015 (Supplementary Issue) (in Persian).
24. Optimization of Solidification and Cement Stabilization of Electroplating Sludge by Response Surface Methodology and Artificial Neural Network Methods, *Iranian Journal of Chemistry & Chemical Engineering (IJCCE)*, Vol. 34, No. 2, pp. 97- 109, Spring 2015 (in Persian).
25. Acid Orange 7 Removal by Ozonation/ Improved Photocatalytic Processes System, *Iranian J. of Chemistry & Chem. Eng. (IJCCE)*, Vol. 34, No. 2, pp. 47- 61, Spring 2015 (in Persian).
26. Investigating the Capability of Ultrasonic Method in Sludge Mass and Volume Reduction from Wastewater Treatment Plants, *J. of Civil Engineering and Environment*, Vol. 45.2, Issue 79, pp. 99- 105, Summer 2015 (in Persian).
27. Performance Evaluation of Different Advanced Oxidation Processes Removing of Acid Red 14 dye from Aqueous Solution, *J. of Water and Wastewater*, Vol. 26, No. 4, pp. 22-31, Summer 2015 (in Persian).
28. Investigation of Kinetic and Intermediate Products of Acid Orange 7 Removal by Hybrid Ozonation/Photocatalytic Processes, *Modares Civil Engineering Journal*, Vol. 15, No. 2, pp. 79- 89, Summer 2015 (in Persian).
29. Treatment of Wastewater Containing Acid Orange 7 using Ozonation Process and Determination of Produced By-products, *J. of Water and Wastewater*, Vol. 26, No. 2, pp. 13- 22, Spring 2015 (in Persian).
30. Investigating the Possibility of Using Water Treatment Plant Sludge in Brick Making, *J. of Water and Wastewater*, Vol. 25, No. 4, pp. 59- 65, Winter 2014 (in Persian).
31. Kinetic Study of Oxytetracycline Removal in Aqueous Solutions using Nanoscale Zero Valent Iron, *Sharif J. of Sci. & Tech.*, Vol. 30.2, Issue 4.2, pp. 13-20, Winter 2015 (in Persian).
32. Effect of Ozonation Pretreatment on Immobilized- Suspended Photocatalytic Process in Dye Wastewater Treatment and Determination of Its Optimum Conditions, *Sharif J. of Science and Technology*, Vol. 30.2, Issue 4.1, pp. 129- 136, Winter 2015 (in Persian).
33. Optimization of Activated Carbon Production from Almond Shell for Adsorption of Soluble Oil Contaminants, *J. of Water and Wastewater*, Vol. 25, No. 5, pp. 108- 116, Winter 2015 (in Persian).

34. Photocatalytic Degradation of Dye Using Dopping Titanium Dioxide Nano-particles and its Kinetic Study, *Journal of Color Science and Technology*, Vol. 8, No. 3, pp. 203- 211, Autumn 2014 (in Persian).
35. Photocatalytic Phenol Degradation by Immobilized Nano ZnO: Intermediates & Key Operating Parameters, *Water Environment Research*, Vol. 86, No. 9, September 2014, pp. 771-778(8), DOI: <http://dx.DOI.org/10.2175/106143014X13975035526301>
36. Parametric Analysis for Dust Plumes Modeling using MODIS Data over Khuzestan Province, Iran, *J. of Middle East Applied Sci. and Tech. (JMEAST)*, Issue 20, July 2014, pp. 704- 708
37. Degradation of Oxytetracycline by Nano Zero Valent Iron under UV-A Irradiation: Chemical Mechanism and Kinetic, *Adv. in Env.l Res.*, Vol. 3, No. 1, pp. 29- 43, 2014
38. Study of Phytoremediation Capability in Sulfate Removal from Water, *J. of Water and Wastewater*, Vol. 25, No. 3 (91), pp. 48- 56, Fall 2014 (in Persian).
39. Simulation of Water Level and Temperature in the Sepidrood Reservoir, *Journal of Water and Wastewater*, Vol. 25, Issue 2 (Serial number: 90), May and June 2014, pp. 129- 134
40. Efficiency of Immobilized Nano-TiO<sub>2</sub> on Concrete Surface in AB113 removal, *J. of Water and Wastewater*, Vol. 25, No. 2 (90), pp. 99- 107, Summer 2014 (in Persian).
41. Optimization and prediction of photocatalytic process of nano titania immobilized on concrete surface for treating phenolic water, *Iran Water Resources Research (IR-WRR)*, Vol. 9, No. 3, pp. 75-87, Winter 2014.
42. Investigation of *Tubifex* Worms Potential in Mass and Volume Reduction of Sludge Wastewater Treatment Plants in Laboratory Scale, *J. of Water and Wastewater*, Vol. 24, No. 88, pp. 59- 65, Winter 2014 (in Persian).
43. Determination of Nitrate and Phosphate Optimal Ratio in Phytoremediation Process (Case Study: Pampas Grass and Bamboo VtIndy), *Environmental Sciences*, Vol. 11, No. 3, pp. 15-24, Autumn 2013 (in Persian).
44. Determination of Optimum Amounts of Effective Parameters in Reactive Dyes Removal using Photocatalytic Reactions by Immobilized TiO<sub>2</sub> Nano Particles on Concrete Surface, *J. of Water and Wastewater*, Vol. 24, No. 87, pp. 45- 53, Fall 2013 (in Persian).
45. Optimum Condition of Removal Oxy Tetracycline Aqueous Solutions by Nano Zero Valent Iron in Oxidation and Photo-oxidation Processes, *Iranian Journal of Chemistry & Chemical Engineering (IJCCE)*, Vol. 32, No. 1, pp. 25- 33, Spring 2013 (in Persian)
46. Factors Affecting Site Remediation of Diesel Contaminated Soils using Surfactants, *OIDA International Journal of Sustainable Development*, Vol. 6, No. 5, pp. 39-46, 2013.
47. Abrupt Cold Temperature Shock Effect on Nitrification Rate, *Sharif Civil Engineering Journal*, Vol. 29, Issue 1, pp. 65- 72, Spring 2013 (in Persian)
48. Lead Removal from Wastewater by Adsorption using Ash and Sawdust, *Journal of Modares Engineering*, Vol. 13, Supplement, pp. 17- 26, Spring 2013 (in Persian)
49. Photocatalytic Degradation of Phenol by Immobilized Nano ZnO on Concrete Surface, *Iranian Journal of Chemistry & Chemical Engineering (IJCCE)*, Vol. 31, No. 3 & 4, pp. 9- 19, Fall & Winter 2013 (in Persian)
50. Investigation of Oil Desalting Plants Wastewater Treatment using Membrane Technologies, *Petroleum Research*, Winter 2012 , Vol. 21 , No. 68; pp. 82- 97 (in Persian).
51. Cultivation of Aerobic Granules in a Novel Configuration of Sequencing Batch Airlift Reactor, *J. of Environmental Technology*, Vol. 33, No. 20, pp. 2273- 2280, October 2012, DOI:10.1080/09593330.2012.665490
52. Comparison of Conventional and Packed-cage RBC in Hydroquinone Removal, *Modares Civil Engineering Journal*, Vol. 12, No. 3, pp. 11-20, Fall 2012 (in Persian)
53. Kinetics Study of Photocatalytic Process for Treatment of Phenolic Wastewater by TiO<sub>2</sub> Nano Powder Immobilized on Concrete Surfaces, *Toxicological & Environmental Chemistry*, Vol. 94, No. 6, July 2012, pp. 1086- 1098

54. Effect of Process Variables on the Production of Polyhydroxyalkanoates by Activated Sludge, I. J. Env. Health Sci Eng. Sept. 2012, Vol. 9, No.1, pp. doi: 10.1186/1735-2746-9-6.
55. The Effectiveness of Electrocoagulation Process for the Removal of Cadmium from Water, Journal of Water and Wastewater, Vol. 23, Issue 2, July and August 2012, pp. 86-93
56. Comparison of Partial and Complete Nitrification in SBR System for Use in Side Stream Processes, J. of Water and Wastewater, Vol. 23, Issue 2, July & August 2012, pp. 9-21.
57. The Possibility of Nitrogen Removal by USBF System & Determination of Its Optimum Detention Time, J. of Environmental Sciences, Vol. 9, No. 3, pp. 15- 26, Spring 2012 (in Persian)
58. Effect of Food Wastes on Sludge Dewatering Capability, Journal of Food Science and Technology, Vol. 9, No. 34, pp. 1-11, Spring 2012 (in Persian)
59. Lab Scale Study of Nitrate Removal by Phytoremediation, J. of Water and Wastewater, Vol. 23, No. 1, pp. 57- 65, Spring 2012 (in Persian)
60. Post Treatment of Composting Leachate by Means of Ozonation and Granular Activated Carbon (GAC) Adsorption, Modares Civil Engineering Journal, Vol. 12, Issue 1, pp. 85- 95, Winter 2012 (in Persian)
61. Treatment and Kinetic of Synthetic Wastewater Containing  $\beta$ -Naphthanol by Nano Titanium Oxide Coated on Activated Carbon, Iran. J. Health & Environ., Vol. 4, No. 4, pp. 401- 410, Winter 2012 (in Persian).
62. Treatment of Crude-Oil Contaminated Soil Using Biosurfactant, J. of Environmental Studies, Vol. 37, pp. 107-116, March 2012
63. Management of Solid Waste Recycle in Semnan Industrial Estate, Human and Environment, Vol. 19, No. 1, pp. 49-56, Winter 2012 (in Persian)
64. Comparison of Moving Bed Biofilm and Sequencing Batch Reactors in Salty Wastewater Treatment of Food Industries, Journal of Food Science and Technology, Vol. 8, No. 33 (1, pp.67-76), Winter 2012 (in Persian).
65. Comparing the Efficiency of MBBR and SBR in Treating Wastewater Containing Formaldehyde, Vol. 43, No. 2, pp. 43-50, Winter 2012 (in Persian)
66. Role of MBBR and SBR in Biological Degradation of Formaldehyde Wastewater, Iran. J. Environ. Health Sci. Eng., Vol. 8, No. 4, pp. 295-306, Winter 2011
67. Bioremediation of Diesel Contaminated Soil using *Bacillus sp.* (strain TMY-2) in Soil by Uniform and non-uniform Electro Kinetic Technology Field, J. of Toxicology & Environmental Health Sciences, Vol. 3, No. 15, pp. 376- 384, December 2011
68. Study of Dye Removal from Aqueous Solution using Sawdust and Clay, Modares Civil Engineering Journal, Vol. 11, No. 3, pp. 67-76, Autumn 2011 (in Persian)
69. Investigation of Amount and Effective Factors on Tri halo-methane Production in Potable Water of Yazd, Iran. J. Health & Env., Vol. 4, No. 2, pp. 137- 148, Summer 2011 (in Persian)
70. Survey on Soft-Wares and Introducing Emission Model for SO<sub>2</sub> & H<sub>2</sub>S in the Ground Level, J. of Environmental Sciences, Vol. 8, No. 4, pp. 29-42, Summer 2011 (in Persian)
71. Comparison Between Epoxy and Waterproof Sealers in TiO<sub>2</sub> Immobilization on Concrete Surface for Treating Phenolic Wastewater, Modares Civil Engineering Journal, Vol. 11, No. 2, pp. 17-28, Summer 2011 (in Persian)
72. Reuse of Sewage Sludge for Agricultural Soil Improvement (Case Study: Kish Island), J. of Water and Wastewater, Vol. 22, No. 2, pp. 85- 93, Summer 2011 (in Persian)
73. Effects of Natural Absorbents on Copper and Lead Removal, J. of Environmental Sciences, Vol. 8, No. 3, pp. 97- 108, Spring 2011 (in Persian)
74. Effect of Natural Polymer in Accelerating Granule Formation in Anaerobic Baffled Reactor, Iranian Journal of Chemistry & Chemical Engineering (IJCCE), Vol. 29, No. 4, pp. 9-16, Winter 2011 (in Persian)
75. Determining the Optimized Hydraulic Retention Time in the USBF Reactor for Biological Phosphorus Removal, Iranian Journal of Chemistry & Chemical Engineering (IJCCE), Vol.



- 29, No. 4, pp. 1-8, Winter 2011 (in Persian)
76. Cyanid Removal from Contaminated Sediment of Tailing Dam by Electro kinetic Technology, Modares Civil Engineering Journal, Vol. 10, No. 4, pp. 47-56, Winter 2011
  77. Investigation of PHA Polymer Production from Sludge of Municipal Wastewater Treatment Plant and Its Effect on Sludge Volume Reduction, Iran. J. Health & Environ., Vol. 3, No. 4, pp.451-460, Winter 2011 (in Persian)
  78. Study of RBC Efficiency in Aniline Removal with Increasing Contactors Specific Surface, J. of Water and Wastewater, Vol. 21, No. 4, pp. 20- 27, Winter 2010 (in Persian)
  79. Production of PHAs by Activated Sludge Using Municipal Wastewater, Iranian Journal of Chemistry & Chemical Engineering (IJCCE), Vol. 29, No. 3, pp. 169-177, Autumn 2010 (in Persian)
  80. Optimization of Photo-Catalytic Process by TiO<sub>2</sub> Nano Powder Immobilized on Concrete Surface for Treatment of Phenolic Wastewater, Environmental Engineering and Management Journal, Vol. 10, No. 10, pp. 1459- 1466, October 2010
  81. Performance of Aerated Submerged Fixed-Film Bioreactor for Treatment of Acrylonitrile-Containing Wastewater, J. of Environmental Health Sci. Eng., Vol. 7, No. 4, pp. 327-336, 2010
  82. Removal of Nitrate from Drinking Water and Food Processing Water in a Hydrogenised Biofilter, Journal of Food Science and Technology, Vol. 7, No. 2, pp. 85- 93, Summer 2010 (in Persian)
  83. Akrylovnytryl Removal from Synthetic Wastewater using Laboratory Scale ASFFR, Journal of Civil & Environmental Engineering, University of Tabriz, Vol. 40, No. 1 (Serial 61), pp. 21-31, Spring 2011 (in Persian)
  84. Treatment of Nitrate-Contaminated Drinking Water by Autotrophic Denitrification in A Hydrogenised Biofilter, J. of Water and Wastewater, No.1, pp. 34-39, Spring 2010 (in Persian)
  85. Prediction of Moving Bed Biofilm Reactor (MBBR) Performance for Treatment of Aniline using Artificial Neural Networks (ANN), Journal of Hazardous Material, Vol. 179, pp. 769-775, 2010
  86. Feasibility of Immobilized Concrete by Nano TiO<sub>2</sub> for the Treatment of Phenolic Wastewater, Journal of Civil & Environmental Engineering, University of Tabriz, Vol. 39, No. 4 (Serial 60), pp. 13-22, Winter 2010 (in Persian)
  87. Investigating of Nitrogen Removal Efficiency from Wastewater Using Modified Anaerobic Baffled Reactor (MABR), Iran. J. Health & Environ., Vol. 2, No. 4, pp.284-295, Winter 2010 (in Persian)
  88. Nitrate Removal from Drinking Water in a Packed- Bed Bioreactor Coupled by a Methanol Based Electrochemical Gas Generator, Environmental Progress & Sustainable Energy, Vol. 29, No. 3, pp. 278- 285, Oct. 2010, DOI: 10.1002/ep
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