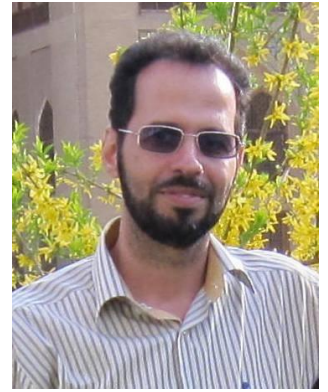


# Ali Akbar Zinatizadeh



**Date of Birth:** 23/08/1973

**Marriage status:** Married

**Faculty member,** Environmental Research Center (ERC), Razi University, Kermanshah, Iran.

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## Education

**Ph.D., Environment Engineering,** University Science Malaysia (USM), Penang, Malaysia, 2006.

**Thesis title:** Biological treatment of palm oil mill effluent (POME) using an up-flow anaerobic sludge fixed-film (UASFF) bioreactor

**M.E. Environment Engineering,** Tehran Researches and Sciences Campus -Azad University. Iran, 1997.

**B.S. Applied Chemistry,** Arak University, Iran, 1994.

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## Academic Experience

2020 - Present  
**Visiting Professor,** Department of Environmental Sciences, College of Agriculture and Environmental Sciences, University of South Africa.

2019 - Present  
**Professor,** Environmental Research Center (ERC), Razi University, Kermanshah, Iran.

2013 - 2019  
**Associate Professor,** Environmental Research Center (ERC), Razi University, Kermanshah, Iran.

2009 - 2013  
**Assistant Professor,** Environmental Research Center (ERC), Razi University, Kermanshah, Iran.

2001 - 2009  
**Lecturer, Water and Environment Division,** Power and Water Institute for Applied and Scientific Higher Education (Mojtama-e-Gharb), Kermanshah.

<b>Research Experience</b>	<p>Biological wastewater treatment systems,  Advanced oxidation process,  Membrane technology,  Physiochemical treatment,  Novel integrated treatment methods,  Photocatalysis for disinfection and/or removal of recalcitrant matters,  Anaerobic digestion,  Nutrient recovery,  Microbial fuel cell</p>
<b>Teaching Experience</b>	<p><b>BS. Courses:</b>  Environmental engineering  Wastewater engineering  Industrial wastewater treatment  Water treatment  Water quality</p> <p><b>MS. Courses:</b>  Water and wastewater treatment processes  Environmental biotechnology  Renewable energies  Reaction engineering</p> <p><b>Ph.D Courses:</b>  Application of bioreactors in wastewater treatment  Advanced reaction engineering  Advanced wastewater treatment  Wastewater treatment plant design and operation</p>
<b>Academic Honors</b>	<ol style="list-style-type: none"> <li>1. Distinguished Researcher at Razi University, 2020-2021.</li> <li>2. <b>National Distinguished Researcher in Engineering</b>, 2019-2020.</li> <li>3. Distinguished Researcher at Razi University, 2019-2020.</li> <li>4. Distinguished Researcher at Razi University, 2018-2019.</li> <li>5. Distinguished Researcher at Razi University, 2017-2018.</li> <li>6. Distinguished Researcher at Razi University, 2016-2017.</li> <li>7. Distinguished Researcher at Razi University, 2015-2016.</li> </ol>
<b>Inventions</b>	<ol style="list-style-type: none"> <li>1. A single airlift aerobic/anoxic/anaerobic bioreactor with continuous regime for simultaneous removal of carbon and nutrients from wastewater, 2016, Iran.</li> <li>2. An integrated airlift bioreactor equipped with a rotating spiral settler for simultaneous removal of carbon and nutrients from wastewaters containing recalcitrant compounds, 2019, Iran.</li> <li>3. Fabrication of PES membrane with high flux and antifouling properties, 2019, Iran.</li> <li>4. Polymeric Membrane modified with MOFs and Its application in treatment of oily wastewater, 2019, Iran.</li> </ol>
<b>Administrative Experience</b>	<ol style="list-style-type: none"> <li>8. Managing director of Consulting Engineering Company 'Pazhak Shimi', Kermanshah, Iran, 1997-2000.</li> <li>9. Senior expert of Environment Lab., Department of Environment,</li> </ol>

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- Kermanshah, Iran, 1999-2001.
  10. Academic affairs management, Power and Water Institute for Applied Scientific Higher Education (Mojtama-e-Gharb), Kermanshah, Iran, 2001-2003.
  11. Dean, Water and Environment Division, Power and Water Institute for Applied Scientific Higher Education (Mojtama-e-Gharb), Kermanshah,, Iran, 2003.
  12. Management member of Consulting Engineering Company 'Zist Pardazesh Bakhtar", Kermanshah, Iran, 2003-present.
  13. Vice Chancellor in Education Affairs, Power and Water Institute for Applied Scientific Higher Education (Mojtama-e-Gharb), Kermanshah, Iran, 2007-2009.
  14. Head, Chemical Engineering Department, Faculty of Energy, Kermanshah University of Technology, Kermanshah, Iran, 2009-2010.
  15. Deputy Dean in education and research affairs, Faculty of Chemistry, Razi University, Kermanshah, Iran, 2010-2011.
  16. Head of Office for Academic and International Cooperation, Razi University, Kermanshah, Iran, 2011-2014.
  17. Head, Environmental Research Center, Razi University, 2016-present.
  18. Head, Department of Applied Chemistry, 2017-present.

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### **Profession Affiliations**

- Member of the Iranian Society of Chemistry (since 2010-present).
- Member of the Iranian Society of Chemical Engineering (since 2010-present).
- Member of the Iranian Society of Environmentalists (IRSEN).
- Member of the Iranian Association of Environmental Health.
- Member of the Iranian Professional Association.
- Member of Research Committee, Power and Water Institute for Applied Scientific Higher Education (Mojtama-e-Gharb), Kermanshah,, Iran.
- Member of Research Board, Power and Water Institute for Applied Scientific Higher Education (Mojtama-e-Gharb), kermanshah, Iran.
- Member of Chemistry of Water and Electric Industries Department, Power Ministry, Iran.
- Member of Water and Environment Department, Power Ministry, Iran.
- Member of Postgraduate Student Society in School of Chemical Engineering, University Science Malaysia (USM), Penang, Malaysia.
- Professional member of Water Institute of Southern Africa, since 2020-present)

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### **Consulting activities and granted research projects**

1. Environmental Impact Assessment (EIA) of the LAB production plant, Bistoon petrochemical company, Kermanshah, Iran, 2000.
2. Environmental Impact Assessment (EIA) of the ammonia urea fertilizer production plant, Kermanshah petrochemical company,

- Kermanshah, Iran, 2001.
3. Environmental Impact Assessment (EIA) of development of Faraman industrial sector, Industrial sectors company, Kermanshah, Iran, 2001.
  4. Environmental Impact Assessment (EIA) of BD and ABS production plant, Tabriz petrochemical company, Tabriz, Iran, 2001-2002.
  5. Environmental Impact Assessment (EIA) of steel production plant, Steel industries company, Kordestan, Iran, 2002.
  6. Environmental Impact Assessment (EIA) of steel production plant, Steel industries company, Hamadan, Iran, 2002-2003.
  7. Environmental Impact Assessment (EIA) of steel production plant, Jahan Foolad Gharb , Steel industries company, Kordestan, Iran, 2002.
  8. Environmental Impact Assessment (EIA) of gas transformation lines between Kermanshah and Kordestan, Oil national industries company, Kermanshah, Iran, 2003-2004.
  9. Study of the effects of agricultural pesticides on ground water quality in eastern north of Kermanshah, Department of environment of Kermanshah, Iran, 1999.
  10. Study of the effects Kermanshah sanitary landfill on ground water quality in eastern north of Kermanshah, Department of environment of Kermanshah, Iran, 1999.
  11. Design of industrial wastewater treatment plant for powdered milk production plant, Basim Poodre Gharb Company. Kermanshah, Iran, 2002.
  12. Design of industrial wastewater treatment plant for chewing gum production plant, Saghez-e-Kordestan Company. Kordestan, Iran, 2002.
  13. Design of industrial wastewater treatment plant for Ice cream production plant, Kermanshah, Iran, 2002.
  14. Start up and operation of tannery wastewater treatment plant, Songhor tannery company, Kermanshah, Iran, 1999-2000.
  15. Environmental Impact Assessment (EIA) of used oil recovery plant, Kermanshah, Iran, 2006-2007.
  16. Study of urban air pollution in Kermanshah city, Department of Environment of Kermanshah, Iran, 2002-2007.
  17. Study of urban air pollution in Islam Abad city, Department of Environment of Kermanshah, Iran, 2002-2007.
  18. Modeling hydrogen sulfide emission from sewer: A case study for Kermanshah city, Water and Wastewater Company, Kermanshah, Iran, 2008-2010.
  19. Start up and operation of poultry wastewater treatment plant-anaerobic digester, Sonqor, Kermanshah, Iran, 2010.
  20. Physico-chemical characteristics of water resources in rural areas, Kermanshah province, using GIS, Roostaei Water and Wastewater Company, Kermanshah, Iran, 2009-2011.
  21. Start up and operation of poultry wastewater treatment plant-anaerobic digester, Ghazanchi, Kermanshah, Iran, 2010-2011.

22. Feasibility study on industrial wastewater treatment generated from seed production plant, Pak Mayeh Company, Kermanshah, Iran, 2011-2012.
23. Control and reduction river pollution, a case study for Gharasoo river, Kermanshah, Iran, 2010-2011.
24. Process optimization of Faraman's Industrial wastewater treatment plant, Kermanshah Industrial Estate Company, Kermanshah, Iran. 2011-2012.
25. Optimization and upgrading of Bistoon wastewater treatment plant using MBBR, Kermanshah, Iran. 2013-2015.
26. Water reuse using a combined system: ultrasound augmented CFID reactor and nanofiltration membrane, 2013-2015.
27. Up-grading Kermanshah's municipal wastewater treatment plant in order to carbon and nutrients removal and energy optimization, Kermanshah, Iran. 2014-ongoing.
28. Treatment trend in wastewater collection lines in Kermanshah, Iran. 2014-2016.
29. Catalytic production of biodiesel from algal oil and surplus sludge from wastewater treatment plants. 2014-2016.
30. Design and fabrication of 5-m<sup>3</sup> UAASBR package treating sanitary wastewater power-supplied by solar energy, Kermanshah, Iran. 2014-2018.
31. Feasibility study of development of a MFC in order to electricity generation from anaerobic wastewater treatment as an approach reducing cost and energy consumption, Iran. 2014-2016.
32. Application of antifouling nanofiltration membrane to remove algal-based color and odor from water resources: A case study on Gavoshan's dam reservoir. Kermanshah, Iran. 2014-2016.
33. Application of nanotechnologies in removal of pollutants from water resources: A case study on Soleimanshah's dam reservoir, Kermanshah, Iran. 2014-2017.
34. Wastewater reuse in a novel single ultrasound-augmented membrane bioreactor (USMBR), INSF, Iran. 2013-2015.
35. Environmental database for Kermanshah Province-Iran, 2014-2017.
36. Hygienic water reuse and bioplastic production from industrial soft drink wastewater in a novel integrated membrane bioreactor with CFID regime and capable for simultaneous CNP removal, INSF. 2016-2018.
37. Feasibility study on Islam Abad's WWTP upgrade with emphasizing on algae removal from the treated effluent, Kermanshah's water and wastewater company, 2018-2020.
38. Environmental Impact Assessment (EIA) of Anahita Oil Refinery Company, Kermanshah, Iran, 2018-2020.
39. Kermanshah's oil refinery water and wastewater management in order to achieve the goal of sustainable development by recycling treated wastewaters, Kermanshah's Oil Refinery Company- 2018-2020.
40. Process optimization and scale-up study of a novel A2O hybrid

- membrane airlift bioreactor integrated with an internal rotating spiral settler for simultaneous CNP removal from industrial wastewater, INSF, 2020-ongoing.
41. Water quality monitoring in Kermanshah's water resources-Kermanshah Regional Water Company, 2020-ongoing.
  42. Site selection for hazardous wastes, Department of Environment, Kermanshah, Iran, 2020-ongoing.

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## Publications in Refereed Journals

1. Zinatizadeh A.A.L. (2003), Steady-state modeling of composition and production of activated sludge, **Water and wastewater Journal**, Isfahan, Iran, 45, 13-17.
2. Najafpour G., Hii Ai Yieng, Younesi H, Zinatizadeh A.A., (2005), "Effect of organic loading on performance of rotating biological contactors using palm oil mill effluents", **Process Biochemistry**, **40**(8), 2879-2884.
3. Zinatizadeh A.A., A. R. Mohamed, G. D. Najafpour, M. Hasnain Isa, H. Nasrollahzadeh, (2005), "Kinetic Evaluation of High Rate POME Digestion in an UAS-FF Bioreactor", **Process Biochemistry**, **41**(5), 1038-1046.
4. Najafpour G., Zinatizadeh A.A., A. R. Mahamed, M. Hasnain Isa, H. Nasrollahzadeh, (2006), "High rate anaerobic digestion of palm oil mill effluent in an upflow I contactors using palm oil mill effluents", **Process Biochemistry**, **41**(2), 370-379.
5. Najafpour G., S. S. Wong, T. T. Teng, A. Zuhairi and A.A. Zinatizadeh, (2006), Treatment of Pulp and Paper Mill Wastewater with the cationic and the anionic Polyelectrolytes, **Mazandaran University Journal of Eng.**, No. 1, Special Issue.
6. Najafpour G.D., A.A. Zinatizadeh, L. Lee, (2006), "Performance of a Three-stage aerobic RBC reactor in Food Canning Wastewater treatment", **Biochemical Engineering journal**, **30**(3), 297-302.
7. Zinatizadeh A.A., A. R. Mohamed, Abdullah A. Z., Mashitah M. D., M. Hasnain Isa, G. D. Najafpour, (2006), "Process Modeling and Analysis of Palm Oil Mill Effluent Treatment in an Up-flow Anaerobic Sludge Fixed Film Bioreactor Using Response Surface Methodology (RSM)", **Water Research**, **40**(17), 3193-3208.
8. Salamatinia, B., A. A. Zinatizadeh, A.H., Kamaruddin, Abdullah A. Z, (2006)," Application of response surface methodology for the optimization of Cu and Zn removal by sorption on pre-treated oil

palm frond (OPF)", *Iranian Journal of Chemical Engineering*, **3**(2), 73-84.

9. Ali Akbar Zinatizadeh Lorestani, Abdul Rahman Mohamed, Mat Don Mashitah, Ahmad Zuhairi Abdullah, Mohamed Hasnain Isa (2006), "Effects of organic loading rate on palm oil mill effluent treatment in an up-flow anaerobic sludge fixed film bioreactor", *Environmental Engineering and Management Journal*, **5**(3), 337-350.
10. Aghamohamadi N., Abdul Aziz H. B., Isa M. H., Zinatizadeh A. A., (2006), "Powdered activated carbon augmented activated sludge process for treatment of semi-aerobic landfill leachate using response surface methodology", *Bioresource Technology*, **98**, 3570-3578.
11. Zinatizadeh A.A., A. R. Mohamed, Abdullah A. Z., Mashitah M. D., G. D. Najafpour, (2006), Pretreated Palm Oil Mill Effluent (POME) Digestion in an Up-flow Anaerobic Sludge Fixed Film Bioreactor: A comparative study, *International Journal of Engineering*, **19**(1).
12. Zinatizadeh, A.A.L., Mohamed, A.R., Mashitah, M.D., Abdullah, A.Z., Isa, M.H. (2007) Optimization of Pretreated Palm Oil Mill Effluent Digestion in an Up-flow Anaerobic Sludge Fixed Film Bioreactor: A Comparative Study. *Biochemical Engineering Journal*, **35**, 226-237.
13. G. Najafpour, M. Sadeghpour, A.A.L. Zinatizadeh, (2007) Determination of kinetic parameters in activated sludge for domestic wastewater treatment plant, *CI&CEQ* **13** (4) 211-215.
14. A.A.L. Zinatizadeh, A. R. Mohamed, Abdullah A. Z., Mashitah M. D., Isa M. H, (2007), "Characteristics of Granular Sludge Developed in an Up-flow Anaerobic Sludge Fixed Film Bioreactor Treating Palm Oil Mill Effluent, *Water Environment Research*, **79** (8), 833-844.
15. Nasrin Aghamohammadi, Hamidi bin Abdul Aziz, Mohamed Hasnain Isa, Ali Akbar Zinatizadeh, Hasan Nasrollahzadeh Saravi, Shahin Ghafari (2007) Performance of a Powdered Activated Carbon (PAC) augmented activated sludge process treating Semi-aerobic leachate, *International Journal of Environmental Research*, **1**(2): 96-103. ISSN: 1735-6865.
16. Mohamed Hasnain Isa, Naimah Ibrahim, Hamidi Abdul Aziz, Mohd. Nordin Adlan, Nor Habsah Md. Sabiani, Ali Akbar Zinatizadeh Lorestani, Shamsul Rahman Mohamed Kutty, (2008), Removal of Chromium (VI) from aqueous solution using treated oil palm fibre"

17. Malihe Amini, Habibollah Younesi, Nader Bahramifar, Ali Akbar Zinatizadeh Lorestani, Farshid Ghorbani, Ali Daneshi, Mazyar Sharifzadeh, (2008), Application of response surface methodology for optimization of lead biosorption in an aqueous solution by *Aspergillus niger*, ***Journal of Hazardous Materials***, 154, 694–702.
18. Farshid Ghorbani, Habibollah Younesi, Seyed Mahmoud Ghasempouri, Ali Akbar Zinatizadeh, Mahlihe Amini, Ali Daneshi, (2008), Application of response surface methodology for optimization of cadmium biosorption in an aqueous solution by *Saccharomyces cerevisiae*, ***Chemical Engineering Journal***, 145, 267–275
19. Maedeh Ghaledar, Habibollah Younesi, Mojtaba Hadavi, A.A. Zinatizadeh, (2009), Optimization of photo-assisted Fenton oxidation process: A statistical model for MDF effluents treatment, ***CLEAN, Soil, Air, Water***, 37 (8), 629 – 637.
20. Mohamed Abdulgader, Qiming Jimmy Yu, Ali Akbar Zinatizadeh and Philip Williams, (2009), Biological treatment of milk processing wastewater in a sequencing batch flexible fibre biofilm reactor, ***Asia-Pac. J. Chem. Eng.***, 22(3), 698-703.
21. A.A.L. Zinatizadeh, H. Younesi, H. Bonakdari, M. Pirsahab, M. Pazouki, G.D. Najafpour, M. Hasnain Isa, (2009), Effects of process factors on biological activity of granular sludge grown in an UASFF bioreactor, ***Renewable Energy***, 34, 1245–1251.
22. Shahin Ghafari, , Hamidi Abdul Aziz, Mohamed Hasnain Isa, Ali Akbar Zinatizadeh, (2009) "Applying response surface methodology (RSM) to optimize coagulation–flocculation process and evaluating poly–aluminum chloride (PAC) for leachate treatment, ***Journal of Hazardous Materials***, 163, 650–656.
23. Pirsahab Meghdad, Mesdaghinia Ali-Reza, Shahtaheri Seyed Jamaledin A.A.L. Zinatizadeh, (2009) Kinetic evaluation and process performance of a fixed film bioreactor removing phthalic acid and dimethyl phthalate, ***Journal of Hazardous Materials***, 167(1-3), 500-6.
24. Mojtaba Hadavifar , Habibollah Younesi, Ali Akbar Zinatizadeh, (2009), Application of Ozone and Granular Activated Carbon for Distillery Effluent Treatment, ***Water and Wastewater Journal***, vol. 2, 10-18.



25. M. Khademi, G.D. Najafpour, Navaei Nia, A.A. Zinatizadeh and R. Rezaei Kalantary, (2009), Biological Treatment of Antibiotic Plant Effluent in an UASFF Bioreactor, ***World Applied Sciences Journal***, **5**(Special Issue for Environment): 1-8, ISSN 1818-4952.
26. A. Heidari, H. Younesi, A.A.L. Zinatizadeh, (2009), Controllable synthesis of flower-like ZnO nanostructure with hydrothermal method, ***International Journal of Engineering (Transaction B: Application)***, **22**(3), 283-290.
27. Mojtaba Hadavifar, Ali Akbar Zinatizadeh, Habibollah Younesi, and Maedeh Galehdar, (2010), Fenton and photo-Fenton treatment of distillery effluent and optimization of treatment conditions with response surface methodology, ***Asia-Pac. J. Chem. Eng.***, **5**(3), 454-464.
28. Mohamed Hasnain Isa, Tan Kuan Kee, Ali Akbar Zinatizadeh, Soraya Mohajeri, Hamidi Abdul Aziz, Yung-Tse Hung, (2010) Electrochemical treatment of semi-aerobic landfill leachate using response surface methodology (RSM), Special Issue on Industrial Waste Treatment, ***International Journal of Environment and Pollution (IJEP)***, **43**(4), 324-338.
29. A. A. Zinatizadeh, M. Pirsaeheb, H. Bonakdari, H. Younesi, (2010), Response surface analysis of effects of hydraulic retention time and influent feed concentration on performance of an UASFF bioreactor, ***Journal of Waste Management***, **30**(10), 1798-1807.
30. H. S. Nasrollahzadeh, M. Mohammadi, M. Pazouki, H. Younesi, A.A. Zinatizadeh, (2010), Biodegradation of Phenanthrene in an anaerobic batch reactor: growth kinetics, ***Chemical Industry and Chemical Engineering Quarterly***, **16**(2), 157-165.
31. A. Akhbari, A.A. Zinatizadeh, P. Mohammadi, M. Irandoust, Y. Mansouri, (2011), Process modeling and analysis of biological nutrients removal in an integrated RBC-AS system using response surface methodology, ***Chemical Engineering Journal***, **168**(1), 269-279.
32. A.A. Zinatizadeh, H. Bonakdari, M. Pirsaeheb, E. Gharacheh, (2011) Response Surface Analysis and Statistical Modeling of Sulfide Generation from Municipal Wastewater, ***Clean-Soil, Water and Air***, **39**(5), 444-459.
33. H. Bonakdari, A.A.L. Zinatizadeh, (2011), Influence of position and type of Doppler flow meters on flow-rate measurement in sewers using computational fluid dynamic, ***Flow measurement and Instrumentation***, **22**(3), 225-234.

34. A.A. Zinatizadeh, A. Akhbari, M. Farhadian, Y. Mansouri and R. Amirsaei, (2011), Influence of Process and Operational Factors on a Sequence Batch Reactor (SBR) Performance Treating a Stimulated Dairy Wastewater, ***International of Natural Resource and Marine Science***, 1(2), 111-124.
35. Negin Ghaemi, Sayed S. Madaeni, Abdolhamid Alizadeh, Parisa Daraei, Ali Akbar Zinatizadeh, Farshad Rahimpour, (2012) Separation of nitrophenols using cellulose acetate nanofiltration membrane: Influence of surfactant additives, ***Separation and Purification Technology***, 85, 147-156.
36. Y. Mansouri, A.A. Zinatizadeh, P. Mohammadi, M. Irandoust, A. Akhbari, (2012), Hydraulic characteristics analysis of an anaerobic rotatory biological contactor (AnRBC) using tracer experiments and response surface methodology (RSM), ***Korean journal of Chemical Engineering***, DOI: 10.1007/s11814-011-0269-0.
37. A.A. Zinatizadeh, Y. Mansouri, A. Akhbari, S. Pashaei, (2011), Biological treatment of a synthetic dairy wastewater in a sequencing batch biofilm reactor: Statistical modeling using optimization using response surface methodology, ***Chemical Industry & Chemical Engineering Quarterly (CI&CEQ)***, 17 (4) 485-495.
38. A Akhbari, A.A Zinatizadeh, P. Mohammadi, Y. Mansouri, M. Irandoust, M. H. Isa, (2012), Kinetic modeling of carbon and nutrients removal rate in an integrated rotating biological contactor-activated sludge (RBC-AS) system, ***International Journal of Environmental Science and Technology***, DOI 10.1007/s13762-012-0040-z.
39. Pirsaeheb M., Almasi A., Zinatizadeh, A.A., Khamutian R., Delangizan S., (2011), Economic Comparison of Standard Method with E.Jurdo Simplified Method to Measure LinearAlkyl Benzenesulfonates in Municipal Wastewater, ***Iran. J. Health & Environ.***, Vol. 4, No. 2 (Persian).
40. A. Asadi, A.A. Zinatizadeh (2011), Statistical Analysis and Optimization of an Aerobic SBR Treating an Industrial Estate Wastewater Using Response Surface Methodology (RSM), ***Iranica Journal of Energy & Environment***, vol. 2 , No. 4, 356-365.
41. F. Shahrezaei, Y. Mansouri, A.A.L. Zinatizadeh, A. Akhbari, (2012), Process modeling and kinetic evaluation of petroleum refinery wastewater treatment in a hotocatalytic reactor using TiO<sub>2</sub> nanoparticles, ***Powder Technology***, DOI: 10.1016/j.powtec.2012.01.003.

42. Parviz Mohammadi, S. Ibrahim, M.S.M. Annuar, Shahin Ghafari, S. Vikineswary and A.A. Zinatizadeh, (2012), Influences of environmental and operational factors on dark fermentative hydrogen production: a review, **Clean-Soil, Water and Air**, Accepted, Galley Proof.
43. Y. Mansouri, A.A.L. Zinatizadeh, M. Irandoust, A. Akhbari, (2012), Process modeling and analysis of simultaneous nutrients (N, P) removal in an up-flow aerobic/anoxic sludge fixed film bioreactor using response surface methodology submitted to **Clean-Soil, Water and Air**, Accepted, In Press.
44. M. Pirsaeheb, A.A. Zinatizadeh, A. Dargahi, (2012), Performance Evaluation of Coagulation Process in Removal of Low Turbidity and Color from Water Using Different Inorganic Coagulants, **Water and Wastewater Journal**, Accepted, Galley proof.(In Persian)
45. A. Asadi, A.A. Zinatizadeh, M. Hasnain Isa (2012), Performance of intermittently aerated up-flow sludge bed reactor and sequencing batch reactor treating industrial estate wastewater: A comparative study, **Bioresource Technology**, 123 (2012) 495-506.
46. A. Asadi, A.A. Zinatizadeh, S. Sumathi, Simultaneous removal of carbon and nutrients from an industrial estate wastewater in a single up-flow aerobic/anoxic sludge bed (UAASB) bioreactor, **Water Research**, 46,15(1), 4587-4598.
47. F. Shahrezaei, Y. Mansouri, A.A. Zinatizadeh, and A. Akhbari, Photocatalytic Degradation of Aniline using TiO<sub>2</sub> nanoparticles in a vertical circulating photocatalytic reactor, **International Journal of Photoenergy**, DOI:10.1155/2012/430638.
48. Malihe Amini, Habibollah Younesi, Ghasem Najafpour & Ali Akbar Zinatizadeh, (2012), "Application of response surface methodology for simultaneous carbon and nitrogen (SND) removal from dairy wastewater in batch systems" **International Journal of Environmental Studies**, vol. 69, No. 6, 962–986.
49. A. Asadi, A. A. Zinatizadeh, S. Sumathi, N. Rezaie, S. Kiani, (2013), A Comparative Study on Performance of Two Aerobic Sequencing Batch Reactors with Flocculated and Granulated Sludge Treating an Industrial Estate Wastewater: Process Analysis and Modeling, IJE TRANSACTIONS B: Applications Vol. 26, No. 2, 105-116.
50. F. K. Banaei, A. A. Zinatizadeh, M. Mesgar, Z. Salari, (2013), Dynamic Performance Analysis and Simulation of a Full Scale Activated Sludge System Treating an Industrial Wastewater Using

51. F.K. Banaei, A.A. Zinatizadeh, M. Mesgar, Z. Salari, S. Sumathi, (2013) Effect of biomass concentration and aeration rate on performance of a full-scale industrial estate wastewater treatment plant, **Journal of Environmental Chemical Engineering**, Vol. 1, Issue 4, 1144-115.
52. Malihe Amini, Habibollah Younesi, Ali Akbar Zinatizadeh, Ghasem Najafpour, (2013) Determination of optimum conditions for dairy wastewater treatment in UAASB reactor for removal of nutrients, **Bioresource Technology**, Vol. 145, 71-79.
53. S. Zinadini, A.A. Zinatizadeh, M. Rahimi, V. Vatanpour, H. Zangene (2014) Preparation of novel antifouling mixed matrix PES membrane by embedding graphene oxide nanoplates, **Journal of Membrane Science**, 453, 292-301.
54. H. Zangeneh, A.A. Zinatizadeh, M. Feizy, (2014) A comparative study on the performance of different advanced oxidation processes (UV/O<sub>3</sub>/H<sub>2</sub>O<sub>2</sub>) treating linear alkyl benzene (LAB) production plant's wastewater Original, **Journal of Industrial and Engineering Chemistry** 20, 1453-1461.
55. G.R. Ghalekhani, A.A. Zinatizadeh, (2014) Process analysis and optimization of industrial estate wastewater treatment using conventional and compartmentalized activated sludge-membrane bioreactor: A comparative study, **Iranica Journal of Energy & Environment**, Vol. 5, No. 2.
56. A.M. Mansouri, F. Shahrezaei, A.A. Zinatizadeh, A. Hemati Azandaryani, M. Pirsahab, K. Sharafi, (2014) Preparation of poly ethyleneimine (PEI)/nano titania (TiO<sub>2</sub>) multilayer film on quartz tube by layer-by-layer self-assembly and its applications for petroleum refinery wastewater treatment, *Journal of the Taiwan Institute of Chemical Engineers*, 45(5), 2501-2510.
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3	Abdulghader Mohamed	PhD in Env. Eng.	Co-supervisor	2006-2011	Griffith Uni., Australia
4	Mojtaba Hadavifar	MS. in Env. Sci.	Co-supervisor	2007-2008	Tarbiat Modares University
5	Azam Akhbari	MS. in Analytical Chem.	Supervisor	2009-2010	Razi university
6	Zahra Goorani	MS. In Agricultural Engineering	Co-supervisor	2009-2011	Razi University
7	Yadollah Mansouri	MS. in Analytical Chem.	Supervisor	2009-2010	Razi university
8	Azar Asadi	MS. in Applied Chem.	Supervisor	2010-2011	Razi university
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22	Soheila Rezaei	MS. in Applied Chem.	Supervisor	2012- 2013	Razi university
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32	Parisa Andami	Ms. In Applied Chem.	Supervisor	2014-2015	Razi University
33	Saba Abdul Monem	Ms. In Applied Chem.	Supervisor	2014-2015	Razi University
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58	Fariba Ollad	PhD In Applied Chem.	Supervisor	2019-ongoing	Razi University
59	Ali Kanjoorian	Ms. In Applied Chem.	Co-Supervisor	2018-ongoing	Razi University
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