



Alireza Mesdaghinia

Academic Rank: Emeritus Professor

School: School of Public Health, Tehran University of Medical Sciences

Department: Department of Environmental Health Engineering

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Education

B.Sc. Mathematics, 1970, University of Isfahan, Isfahan, Iran.

M.S.P.H. Sanitary Engineering, 1974, University of Tehran, Tehran, Iran.

M.Sc. Environmental Health Science, 1979, University of Kansas, Lawrence Kansas, USA.

Ph.D. Environmental Health Engineering, 1982, University of Kansas, Lawrence, Kansas, USA.

Positions Held

- Member, Academy of Medical Sciences, Islamic republic of Iran, 2015-
- Chairman, Environmental Pollution and Health Working Group, Iran National Science Foundation, 2014-
- Director, Institute for Environmental Research, Tehran University of Medical Sciences, 2011-2017.
- Deputy for Public Health, Ministry of Health and Medical Education, 2009-2012.

- **Chairman, Journal of Health & Environmental (Persian), 2008-**
- **Member, The Regional Advisory Committee of Health and Environment, WHO (EMRO), 2005-**
- **Chairman, Iranian Journal of Environmental Health Science and Engineering, 2004-**
- **Director, Center for Environmental Research, Tehran University of Medical Sciences, 2003-2011.**
- **Chairman, Scientific Committee, 2nd Asian Conference on Water and Wastewater Management, April 2001, Tehran, Iran.**
- **Member, Editorial Board, Iranian Magazine of Water and Environment, 1999 – 2006.**
- **Chairman, Department of Environmental Health Engineering, School of Public Health , Tehran University of Medical Sciences, 1998 –2014.**
- **Chairman, Scientific Committee, First Asian Conference on Water and Wastewater Management, March 2-4, 1998, Tehran, Iran.**
- **Member, Board of Trustees, Kashan University of Medical Sciences, 1996-**
- **Member, National Team for Preparation of Strategy on Health and Environment, 1995.**
- **Professor, Department of Environmental Health Engineering, School of Public Health , Tehran University of Medical Sciences, 1994 –**
- **Member, Editorial Board, Iranian Journal of Public Health, 1994-**
- **Chairman National Board of Environmental Health Examinations, 1992-**
- **Member of the WHO Expert Advisory Panel on Environmental Health, 1991 - 2001.**
- **Vice Chancellor of Educational Affairs, Tehran University of Medical Sciences, 1990 - 1992.**
- **Chairman Department of Environmental Health Engineering, School of Public Health, Tehran University of Medical Sciences, 1988 - 1990.**
- **Member University Board of Research, Tehran University of Medical Sciences, 1987 -1997.**
- **Associate Professor, Department of Environmental Health Engineering, School of Public Health, Tehran University of Medical Sciences, 1987-1994.**
- **Member, Editorial Board and Executive Director, Magazine of Environmental Studies, Tehran University, 1985 - 1989.**
- **Dean, School of Public Health, Tehran University of Medical Sciences, 1984 – 2013.**
- **Director, Center for Environmental Studies Coordination, Tehran University, 1983 -1989.**
- **Vice Dean, School of Public Health, Tehran University of Medical Sciences, 1982 – 1984.**
- **Assistant Professor, Department of Environmental Health Engineering, School of Public Health, Tehran University of Medical Sciences, 1982 – 1987.**

Experiences

TEACHING

Different undergraduate and graduate courses such as:

- **Biological Fundamentals in Environmental Protection Systems.**
- **Chemical Processes for Water and Wastewater Treatment.**
- **Water Treatment Plant Design.**
- **Municipal Wastewater Treatment Plant Design.**
- **Industrial Wastewater Management.**
- **Advanced Wastewater Treatment.**

RESEARCH

- **Supervising more than 70 M.Sc. theses in Environmental Health Engineering.**
- **Supervising more than 35 Ph.D. theses in Environmental Health Engineering.**
- **Several other research projects in Environmental Management Subjects**

Honors, Distinctions, and Scientific Societies Membership

- **Diploma of Honor, Academy of Medical Sciences, Islamic republic of Iran, 2018.**
- **Dr LEE Jong-wook Memorial Prize for Public Health, WHO, 2016.**
- **Selected Professor, School of Public Health, Tehran University of Medical Sciences, 2015.**
- **Permanent Member, Academy of Medical Sciences, Islamic republic of Iran, 2015 -**
- **Alameh Tabatabai Prize, awarded by The President of Islamic Republic of Iran, 2014.**
- **Ave Sina Prize, Tehran University Medical Sciences, 2013.**
- **Highest Scientific Medal, Professor Yalda Foundation, 2013.**
- **WHO World No Tobacco Day 2011 Award, 2011.**
- **Pioneer Professor, Tehran University of Medical Sciences, 2009.**
- **Letter of appreciation, Minister of Health and Medical Education, 8 times, in different years.**
- **Vice President, Iranian Public Health Association (IPHA), 2003-**
- **Member of founder group and President, Iranian Association of Environmental Health (IAEH), 2000-**
- **Outstanding Dean, Tehran University of Medical Sciences, 1999.**
- **Outstanding Professor, Tehran University of Medical Sciences, 1997.**
- **Former Member, International Water Association (IWA).**
- **Former Member, American Water Association (AWWA).**
- **Former Member, Water Environment Federation (WEF), USA.**

Farsi Publications

- Soleimani, Z., Mosadeghrad AM., Alighardashi, M., Moradi, M., Bashiri, A., **Mesdaghinia, AR.**, “Validating a Questionnaire Assessing Knowledge, Attitude and Performance of Nurse Aids and Service Staff in regard to Nosocomial Infections”, Scientific Journal of Kurdistan University of Medical Sciences, No.120, pp.103 -114,July -sep 2022.
- Ostadtaghizadeh, A., **Mesdaghinia, AR.**, Naddafi, K., “The Necessity of Developing a National Plan to Deal with the Effects of Climate Change on Health”, Iranian Journal of Culture and Health Promotion Academy of Medical Sciences of Islamic Republic of Iran, Scientific Research journal, 2022.
- Soleimani, Z., Mosadeghrad, AM., Abbasabadi, M., Moradi, M., Ashkani, F., Asgari, MR., **Mesdaghinia, AR.**, “Developing and psychometric testing of a questionnaire to assess the knowledge, attitude and Practice of paramedical staffs about nosocomial infections”, Koomesh, Vol. 23, Issue 4, pp. 530-539, July and August 2021.
- Soleimani, Z., Mosadeghrad, AM., Abbasabadi, M., Moradi, M., Abediinjad, P., **Mesdaghinia, AR.**, “Designing and Psychometric Testing of an Instrument to Assess the Knowledge Attitude and Practice of Clinical Staff about Nosocomial Infections”, J Mazandaran Univ Med Sci, 31 (197), PP.111-122, 2021.
- Hadi, M., **Mesdaghinia, AR.**, Nasseri, S., Iravani, E., “Bibliometric analysis on scientific productions of the institute of environmental research of Tehran university of medical sciences”, Iran. J. Health & Environ, Vol. 13, No. 4, 2021.
- Shamsipour, M., Kashani, M., Yunesian, M., Naddafi, K., Hassanvand, MS., Saeedi, R., Hadi, M., **Mesdaghinia, AR.**, “Assessment of environmental health status of Iran according to the environmental performance index report in 2018”, Iran. J. Health & Environ, Vol. 13, No. 2, 2020.
- Naddafi, K., **Mesdaghinia, AR.**, Abtahi, M., Hassanvand, MS., Saeedi,R., “A review of studies on burden of disease attributable to environmental risk factors in Iran: achievements, limitations and future plans”, Iran. J. Health & Environ, Vol. 12, No. 2, 2019.
- Banar, M., **Mesdaghinia, AR.**, Naddafi, K., Hassanvand, MS., “Investigation of indoor radon concentration in dwellings and public places of Firuzkuh”, Iran. J. Health & Environ, Vol. 12, No. 2, 2019.
- Mirzaei, R., Yunesian, M., **Mesdaghinia, AR.**, Nasseri, S., Gholami, M., Jalilzadeh, E., Shoeibi, SH., “The efficiency of the conventional wastewater treatment plant in antibiotics removal and the determination of their concentration in Ekbatan and Southern Tehran wastewater treatment plants (a case report)”, Iran. J. Health & Environ, Vol. 11, No. 3, 2018.

- Ghaffari, Y., Mahvi, AH., Alimohammadi, M., Nabizadeh, R., **Mesdaghinia, AR.**, Kazemizad, L., “Evaluation of fenton process efficiency in removal of tetracycline from synthetic wastewater”, Journal of Mazandaran University of Medical Sciences, Vol. 27, No. 147, PP. 291-305, 2017.
- **Mesdaghinia, AR.**, Nasserri, S., Hadi, M., “Assessment of Carcinogenic Risk and Non-Carcinogenic Hazard Quotient of Chromium in Bottled Drinking Waters in Iran”, Iranian Journal of Health and Environment, Vol. 9, No. 3, PP. 347-358, 2017.
- Nabizadeh, R., **Mesdaghinia, AR.**, Nasserri, S., Hadi, M., Soleimani, H., Bahmani, P., “Analysis of Water Corrosion Tendency in Water Supply System Using Qualitative Indices and Calcium Carbonate Precipitation Potential Index”, Iran. J. Health & Environ., Vol. 9, No. 4, 2017
- Khodadadi, M., **Mesdaghinia, AR.**, Nasserri, S., Ghaneian, MT., Ehrampoush, MH., Hadi, H., “Prediction of the waste stabilization pond performance using linear multiple regression and multi-layer perceptron neural network: a case study of Birjand, Iran”, Environmental Health Engineering and Management Journal, Vol.3, No. 2, PP. 81-89, 2016.
- Malakootian, M., **Mesdaghinia, AR.**, Soltani nejad, Y., “Concentration Assessment of Chromium and Arsenic Heavy Metals in Rivers Basins of Baft and Rabor Dams”, The Journal of Toloo-e-behdasht, Vol. 15, No. 1, PP. 51-64, 2016.
- Malakootian, M., **Mesdaghinia, AR.**, Rezaei, SH., “The Photocatalytic Removal of Ortho Chlorophenol from Aqueous Solution Using Modified Fly Ash - Titanium Dioxide”, Journal of Water & Wastewater, Vol. 27, No. 2, PP. 14-21, 2016.
- Naddafi, K., **Mesdaghinia, AR.**, Abtahi, M., Yaghmaeian, K., Nabizadeh, R., Jaafarzadeh, N., Rastkari, N., Saeedi, R., Nazmara, SH., “REMOVAL OF DICHLOROMETHANE FROM WASTE GASSTREAMS USING A HYBRID BUBBLE COLUMN/BIOFILTER BIOREACTOR: EFFECT OF EMPTY BED RETENTION TIME AND KINETIC OF BIOFILTRATION”, Journal of Air Pollution and Health, Vol. 1, No. 2, PP. 51-60, 2016.
- Past, V., **Mesdaghinia, AR.**, Naderi, M., “Determination of Toxic Metals Pollution using Extraction (TCLP) in Six Brands of Vermicompost Produced from Bio-Wastes in Tehran Iranian”, Journal of Health and Environment, Vol. 9, No. 2, PP. 289-298, 2016.
- Abtahi, M., Naddafi, K., **Mesdaghinia, AR.**, Yaghmaeian, K., Nabizadeh, R., Jaafarzadeh, N., Rastkari, N., Saeedi, R., Nazmara, S., “*Performance of a hybrid bubble column/biofilter bioreactor for removal of dichloromethane from waste gas streams*”, Iran. J. Health & Environ, Vol. 7, No. 4, 2015.
- Rostami Fasih, Zeinab., **Mesdaghinia, AR.**, Nadafi, K., Nabizadeh, R., Mahvi, AH., Hadi, M., “Forecasting the air quality index based on meteorological variables and autocorrelation terms using artificial neural network”, Razi Journal of Medical Sciences, Vol. 22, No. 137, 2015.

- Malakootian, M., **Mesdaghinia, AR.**, Rezaei, Sh., “*Efficiency of ortho-chlorophenol removal from aqueous solutions using activated Fly Ash of Zarand Fossil Fuel Power Plant*”, Scientific Journal of School of Public Health and Institute of Public Health Research, Vol. 12, No. 2, PP. 14-21, 2014.
- **Mesdaghinia, AR.**, Mahvi, AH., Fazlzadeh, M., Dehghani, MH., Heibati, B. , Sam Daliri, Z., Aghanejad, M., “*Comparing efficiency natural pumice and modified with iron in removal Reactive Black5 dye*”, Journal of North Khorasan University of Medical Sciences, Vol. 5 No. 2, 2013.
- Amouei, A., Mahvi, AH., Naddafi, K., Fahimi, H., **Mesdaghinia, AR.**, Nasser, S., “*Optimum operating conditions in the phytoremediation of contaminated soils with Lead and Cadmium by native plants of Iran*”, Science Journal Kurdistan University of Medical Sciences, Vol. 17, No. 4, 2012.
- **Mesdaghinia, AR.**, Mahvi, AH., Nasser, S., Mohamadi, AA., Shekarriz, M., Alimohamadi, M., “*Study of Nitrate Reduction from Water Using Nanosized Iron*”, Iran. J. Health & Environ, Vol. 4, No. 3, 2012.
- Mohammadian Fazeli, M., Naddafi, K., **Mesdaghinia, AR.**, Nasser, S., Mazaheri Assadi, M., Yunesian, M., “*Decolorization of Removal Brilliant Blue Royal by Ganoderma Sp. Immobilized in Sodium Alginate*”, Iran. J. Health & Environ, Vol. 5, No. 3, 2012.
- Nabizadeh, R., Mahvi, Ah., Ghadiri, SK., Nasser, S., **Mesdaghinia, AR.**, Abuee, A., “*MTBE adsorption on Surfactant-Modified Zeolites from aqueous solutions*”, Journal of North Khorasan University of Medical Sciences, Vol. 4, No. 3, 2012.
- Heidari, M., **Mesdaghinia, AR.**, Miranzadeh, MB., Yunesian, M., Naddafi, K., Mahvi, AH., “*Survey on microbial quality of drinking water in rural areas of Kashan and the role of rural water and wastewater company in that improvement*”, Health System Research (HSR), Special Issue on Environmental Health, 2011.
- Majdi, MR., **Mesdaghinia, AR.**, Rakhshani, F., Shariati, M., Khani, H., “*Design and performance of Iranian national portal for best practice of primary health care*”, Journal of North Khorasan University of Medical Sciences, Vol. 3, No. 2, PP. 65-68, 2011.
- **Mesdaghinia, AR.**, Vaezi, F., Dehghanifard, E., Mahvi, AH., Alimohammadi, M., Ghanbari, R., “*Investigation the feasibility of water disinfection efficiency improvement in non-contact UV radiation*”, Health System Research (HSR), Special Issue on Environmental Health , 2011.
- Miranzadeh, MB., **Mesdaghinia, AR.**, Heidari, M., Yunesian, M., Naddafi, K., Mahvi, AH., “*Investigation the chemical quality and chlorination status of drinking water in Kashan's villages*”, Health System Research(HSR), Special Issue on Environmental Health , 2011.
- **Mesdaghinia, AR.**, Nouri, J., Mahvi, AH., Vaezi, F., Naddafi, K., Ansarizadeh, M., “*Efficiency of the wastewater treatment system of a dairy plant and ways to improve it*”, Scientific Journal of School of Public Health and Institute of Public Health Research, Vol. 7, No. 4, Winter 2010.

- Mousavi, AR., Mahvi, AH., **Mesdaghinia, AR.**, Nasser, S., Honari, HR., "*Fenton Oxidation Efficiency in Removal of Detergents from Water*", Journal of Water & Wastewater, Vol.72, No. 4, 2010.
- Aganeghad, M., **Mesdaghinia, AR.**, Vazi, F., "*Determining the Efficiency of WWTP in Khoy Power Plant and Improving Phosphorus Removal by Anoxic-Oxic Process*", Iran. J. Health & Environ, Vol. 2, No. 1, PP. 66-75, 2009.
- Leili, M., Nadafi, K., Nabizadeh, R., Yunesian, M., **Mesdaghinia, AR.**, Nazmara, Sh., "*Particulate matter concentrations and the air quality index in the central part of Tehran city, Tehran, Iran*", Journal of School of Public Health and Institute of Public Health Research, Vol. 7, No. 1, 2009.
- Mousavi, AR., Mahvi, AH., **Mesdaghinia, AR.**, Nasser, S., "*The Quality Characteristics of Paksan Factory Industrial Wastewater*", Behboud Magazine, Kermanshah University of Medical Sciences, Vol. 12, No. 1, 2009.
- Mousavi, AR., Mahvi, AH., **Mesdaghinia, AR.**, Nasser, S., Honari, HR., "*Fenton Oxidation Efficiency in Removal of Detergents from Water*", Journal of Water & Wastewater, Vol.4 , No.72 ,2009.
- Nadaafi, K., Nabizadeh, R., Hassanvand, MS., **Mesdaghinia, AR.**, Yaghmaeian, k., Momeniha, F., "*Investigation of Existing Status of Hazardous Wastes Management in Central Campus of Tehran University Medical Sciences, Iran*", Iran. J. Health & Environ, Vol. 2, No. 3, 2009.
- Zazoli, MA., Nasser, S., Mahvi, AH., **Mesdaghinia, AR.**, "*Organic carbon content and potential for formation of disinfection by-products in drinking water of the water distribution system of Tehran, Iran*", Journal of School of Public Health and Institute of Public Health Research, Vol. 7, No. 3, 2009.
- **Mesdaghinia, AR.**, Nourmoradi, HA., Vaezi, F., Nasser, S., Nabizadeh, R., Alimohamadi, M., Nazmara, Sh., "*The Possibility of methyl tertiary butyl ether removal by the point -of-use treatment of water using Iranian granulated active carbon*", Scientific Journal of School of Public Health and Institute of Public Health Resarch, Vol.6, No. 2, PP. 23-30, Summer 2008.
- **Mesdaghinia, AR.**, Vaezi, F., Dehghanifard, E., Mahvi, AH., Alimohammadi, M., "*UV-lamp Intensity Determination Without Use of Radiometer*", Iran. J. Health & Environ, Vol.1, No. 1, PP. 29-35, 2008.
- Mousavi, AR., Mahvi, AH., **Mesdaghinia, AR.**, Nasser, S., "*Efficiency of the Fenton Process in detergent removal and improving biological treatability of wastewater of detergent - producing industries*", Scientific Journal of School of Public Health and Institute of Public Health Research, Vol. 6, No. 1, PP. 63-73, 2008.
- Nabizadeh, R., Nadafi, K., Vaezi, F., Nafez, AH., **Mesdaghinia, AR.**, Kheyri, A., "*Application of Luffa As an Innovative Packing Media in an Aerated Submerged Fixed-Film Reactor (ASFFR)* ", Journal of Water and Wastewater, Vol. 64, 2008.

- Naddafi, K., Yunesian, M., **Mesdaghinia, AR.**, Mahvi, AH., Asgari, S., “*Noise Pollution in Zanjan City in 2007*”, Scientific Journal of Zanjan University of Medical Sciences, Vol. 16, No. 62, PP. 85-96, 2008.
- Zazouli, MA., Nasser, S., **Mesdaghinia, AR.**, "Study of Natural Organic Matter Characteristics and Fractions in Surface Water Resources of Tehran", Iran. J. Health & Environ., Vol. 1, No. 1, PP. 1-7, 2008.
- Gholampour, A., **Mesdaghinia, AR.**, Vaezi, F., Nabizadeh, R., Farrokhi, M., Ghasri, A., "Enhancement of 2, 4-dichlorophenol biodegradability by advanced oxidation with Fenton reagent", Scientific Journal of school of Public Health and Institute of Public Health Research, Vol. 5, No. 2, 2007.
- Mahvi, AH., Bazrafshan, E., **Mesdaghinia, AR.**, Nasser, S., Vaezi, F., "Chromium (Cr+6) Removal from Aqueous Environments by Electrocoagulation Process Using Aluminum Electrodes", Journal of Water & Wastewater, Vol. 62, 2007.
- **Mesdaghinia, AR.**, Yunesian, M., Naser, S., Jafari, A., Moradi, A., Farahdoust, F., Yaghoubi, L., "The Knowledge of Tehran citizens on environmental pollution, related effects and their information sources", Yaft-e, Vol. 9, No. 1, 2007.
- Younesian, M., Moradi, A., Khaji, A., **Mesdaghinia, AR.**, Zargar, M., "Evaluation of The Effect of Offender Motorcyclists Penalty Enforcement Project on The Incidence of Road Traffic Accident Injuries in Tehran", Payesh, Vol. 6, No. 1, PP. 19-26, 2007.
- **Mesdaghinia, AR.**, Tayefeh Rafiee, M., Mahvi, AH., Vaezi, F., “Using Coagulation Process Optimizing Natural Organic Matter Removal From Low Turbidity Waters”, Journal of Water & Wastewater, Vol. 57, 2006.
- Rahimi, Y., Mahvi, AH., **Mesdaghinia, AR.**, “Process Optimization of Khoy Wastewater Treatment Plant Aerated Lagoons in Cold Climate Conditions”, Journal of Water & Wastewater, Vol. 58, 2006.
- Sadeghi, M., **Mesdaghinia, AR.**, Badkoobi, A., Nabizadeh, R., “Enhancement of the Biodegradability of Methyl tert-Butyl Ether (MTBE) by Advanced Oxidation”, Journal of Water & Wastewater, Vol. 58, 2006.
- Samadi, MT., Nasser, S., **Mesdaghinia, AR.**, Alizadefard, MR., "A Comparative Study on THMs Removal Efficiencies from Drinking Water through Nanofiltration and Air Stripping Packed-Column", Journal of Water & Wastewater, Vol. 57, 2006.
- Asl Hashemi, A., **Mesdaghinia, AR.**, "A Study of the Quality of Tabriz Power Plant Effluent with Talkherood Water Quality", Tabriz University of Medical Sciences, Vol. 27, No. 1, PP. 13-16, 2005.
- Farokhi, M., **Mesdaghinia, AR.**, “Study the Kinetics of Activated Sludge in Integrated System (Fenton Oxidation/ activated Sludge) for Removal of 2,4,6 Trichlorophenol”, Gilan University of Medical Sciences, Vol.14, No. 53, 2005.

- **Mesdaghinia, AR.**, Mosaferi, M., Yunesian, M., Nasseri, S., Mahvi, AH., “*Measurement of arsenic concentration in drinking water of a polluted area using a field and SDDC methods accompanied by assessment of precision and accuracy of each method*”, Hakim Research Journal, Vol. 8, No. 1, 2005.
- Mosaferi, M., **Mesdaghinia, AR.**, “*Removal of Arsenic from Drinking Water Using Modified Activated Alumina*”, Journal of Water and Wastewater, No. 55, 2005.
- Sadeghi, M., **Mesdaghinia, AR.**, Badkoubi, A., Nabizadeh, R., Soleymanian, A., “*Efficiency of advanced oxidation and hydroxyl technology in methyl tertiary – butyl ether (MTBE)*”, Sharekord University of Medical Sciences’ Journal, Vol. 6, No. 4, 2005.
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- Mahvi, AH., Izanloo, H., **Mesdaghinia, AR.**, Nasseri, S., Hosseini, M., “*Waste water quality and quantity of great Tehran chemical and electronic industries*”, Quarterly Journal of Hormozgan University of Medical Sciences, Vol. 8, No. 3, 2004.
- Mahvi, AH., Javid, AB., **Mesdaghinia, AR.**, Nasseri, S., “*Quantitive and Qualitive Evaluation of Textile, wood, paper and Tannery Industries in Great Tehran*”, J. Env. Sci. Tech., No. 20, 2004.
- Mahvi, A., **Mesdaghinia, AR.**, Karakani, F., “*Biological Phosphorus Removal from Wastewater with Continuous Flow Sequencing Batch Reactors (SBR)*”, Journal of Shahid Sadoghi University of Medical Sciences and Health Services, yazd, Vol. 12, No. 1, 2004.
- **Mesdaghinia, AR.**, Farrokhi, M., Nasseri, S., Yazdanbakhsh, AR., “*Biodegradability Enhancement of 2,4,6 Trichlorophenol (TCP) by Fenton’s oxidation process*”, Hakim Research Journal, Vol.7, No.2, 2004.
- Azizi, K., **Mesdaghinia, AR.**, Vaezi, F., Nasseri, S., “*Bromide Removing from Water Resources Using GAC Coium and Resin*”, Journal of School of Public Health and Institute of Public Health Research, Vol. 1, No. 1, 2003.
- Pirsahab, M., **Mesdaghinia, AR.**, Nasseri, S., Nadafi, K., “*Biological Removal of Phthalic Acid Using SBR System*”, Journal of Shahid Sadoghi University of Medical Sciences and Health Services, yazd, Vol. 11, No. 1, 2003.
- Rabbani, D., **Mesdaghinia, AR.**, Nasseri, S., Naddafi, K., “*Effect of electrochemical process on phosphorous removal from activated sludge effluent*”, Feyz Scientific journal of Kashan University of Medical sciences, No. 27, 2003.
- Dindarloo, K., Naddafi, k., **Mesdaghinia, AR.**, “*Oxygen Consumption Rates in the Sanitary Sewerage Pipelines*”, Quarterly Journal of Hormozgan University of Medical Sciences, Vol. 6, No. 3, 2002.

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- Omrani, Gh., **Mesdaghinia, AR.**, Shariat, M., Salimi, S., “*Study of Collection and Removal of the Industrial Solid Wastes in Tehran*”, Hakim Journal, Vol. 4, No. 3, 2001.
- Rahmani, A., Mahvi, A., **Mesdaghinia, AR.**, Nasseri, S., Shariat, M., “*Application of Clinoptilolite Zeolite from Semnan Area for the removal of Ammonium Nitrogen from polluted water*”, Journal of Hamadan University of Medical Sciences, No. 3, 2001.
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- Miranzadeh, M., Mahvi, AH., **Mesdaghinia, AR.**, Nasseri, S., Vaezi, F., “*Efficiency Study for Integrated Stabilization Pond (LSP) in Municipal wastewater Treatment*”, Feyz Scientific journal of Kashan University of Medical sciences, No. 13, 2000.
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