

**Name and surname:** Dr. MOHAMAD REZA MASSOUDI NEJAD

**Latest Academic Degree:** Doctorate Degree in Environmental at Sciences.

**Date of birth:** 1961

**Academic rank:** Associate professor

**Educational group:** Environmental Health

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**Articles published in local journals:**

- 1- Massoudi Nejad M. , Masoudnia M., to study accumulation of mercury inside body of Dulphines in the Pacific and Atlantic Oceans, water and environment 1999, Edition 38, pages 33-36.
- 2- Massoudi Nejad Mohammad Reza, Imandel, Keramatollah, to study Tanen concentration in fruit of different oak varieties in Iran, academic journal of Environment Technology and Sciences, 2000, edition 5,6- pages: 89-105.
- 3- Massoudi Nejad,Mohammadreza, Talebi, Akram , Plating Industry, difficulties and environment solutions in them, Academic journal of Health faculty, 2001, edition: 14, pages: 27-39.
- 4- Massoudi Nejad M, the importance of preserving oak trees for applying Tanon in refinery of Industrial wastes, Academic journal of Health Faculty, 2002, edition; 15, the 10<sup>th</sup> year, pages : 23-36
- 5- Massoudi Nejad M, Sahari Moghaddam-N, Refinery of home wastes by Aplachin plant, Academic journal of Health faculty, 2002, edition 16, the 10<sup>th</sup> year,pages 27-34.
- 6- Massoudi Nejad, M. Rezazadeh Azari-M, to compare four different methods for extraction of Tanon from fruit of different oak varieties in Iran, Hakim Academic Journal, period: 6, edition 1, spring 2003, period 6, edition 1, pages: 81-88.
- 7- Massoudi Nejad M, Rezazadeh Azari-M, feasibility study for application of oak essence in removing heavy metals from plating industries wastes, academic journal of paramedical Sc, Shahid Beheshti Faculty of Paramedical Sc., summer 2003, the first year, second edition, pages 103 to 111.
- 8- Massoudi Nejad , M.R , Yazdanbakhsh , A.R ., Removal of chrome and nickel from sewage- polluted water sources by using oak fruit , Koomesh , Journal of semnan university of Medical sciences , Autumn 2004 , vol . 6 , no . 1 , pp .7 , 14.

- 9- Massoudi Nejad, M.R, Yazdanbakhsh, A.R, Mehraby, y. , comparing removal efficiency of chrome, nickel and cadmium from industrial sewages with PH controllers, Hakim. National Resserch center of Medical sciences, vol.7, No.3 Atumn 2004, 52-59.
- 10- Massoudi Nejad , M.R , Khatiby, M. , To study the possible contamination of Tehran undergrand water with MTBE in 2003, pejouhandeh , Bimonthly Research Journal, April /May 2005; 10:No 43 , 392-397.
- 11- Massoudi Nejad, M.R., Khatibi ,M., Batch and sanitrary production of edible mushrooms by full electroneque packages , J. of landscape , ISDLE , summer 2006 , third year , No.18 , pages: 20-23.
- 12- Azimi,A., Valizadeh, B., Massoudinejad, M., Safarzadeh,E., Study for application of oak essence in removing heavy metals from tannary industries wastes, J. of Environmental, Faculty of Environmental, Tehran University, spring 2007, No.41, pp. 5-10.
- 13- Massoudi Nejad, M.R., Manshouri,M., Yazdanbakhsh, A.R., Study on the reuse of Zamyad factory wastewater treatment plant effluent in irrigation, Iran, J. Environ. Health, Sci. Eng., 2006, Vol.3, No.4, Autumn, PP.285-288.
- 14- Massoudi Nejad, M.R., Rezazadeh Azary, M., Khatiby, M., Treatment of wastewater in plating industry by chelate extraction method, Iran, J. Environ. Health, Sci. Eng., 2007, Vol.4, No.1, Winter, pp.13-21.
- 15- Azari, M., Falaki, F., Massoudinejad, M.R., Assessment of Dioxin-like compounds released From Iranian industries and municipalities, J. Res. Dis. Tho. Sur.Int and Tub., TANAFOS, 2007, vol.6, No.3, pp. 56-64
- 16- Massoudi Nejad, M.R., Man shouri, M., Khatibi, M., Adibzadeh, A., Amini, H., Hydrogen sulfide Removal by thiobacillus thioparus Bacteria on sea shell Bed Biofilters, Pakistan Journal of Biological sciences, 2008, Vol.11,No.6,pp.920-924.
- 17- Azari, M.R., Massoudi Nejad, M.R., Motesadi, S., A new Sampler and Analysis method for BTEX in ambient air, J. Res.Dis.Tho.sur.Int and Tub.TANAFOS, 2008,Vol.7,No.3,pp.47-52.
- 18- Azari,M.R., Ghadjari, A., Massoudi Nejad, M.R., Faghiih Nasiree,N., Air borne Microbial contamination of Dental units,J.Res.Dis.Tho.sur.Int and Tub.TANAFOS, 2008,Vol.7,No.2,pp.54-57.

- 19- Massoudi Nejad , M.R., Leili , M., Adib Zadeh, A., khatibi, M., Evaluation of Different Packing Media capacities used in the Biofilters for Hydrogen sulfide (H<sub>2</sub>S) Removing from polluted Air, Bimonthly Research Journal, Pejouhandeh, vol. 13, No. 5(65) , Dec 2008, pp. 405-415.

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**Presenting following articles at congresses held in Iran:**

- 1- Massoudi Nejad M, the relation of petrol stations in Tehran with accumulation of lead in surrounding atmosphere, plant and soil. Air pollution Seminar held at Tehran University of Medical Sc., 1990.
- 2- Massoudi Nejad M, to study Lead effects on blood of workers working at petrol pump stations in Tehran, the second research congress of petrochemical gas and oil held in Tehran, 1990.
- 3- Massoudi Nejad-M, Diffusion of the Lead in surrounding air, soil and plants of petrol pumps station in Tehran, 1991.
- 4- Massoudi Nejad M, The role of simultaneous effects of mixture of active sludge and active carbon powder in refinery of urban wastes, Municipality and city seminar, Health and safety in Shiraz, 1992.
- 5- Masoud Nejad M, Shojaie H, to study pollution of salt extracted from Maharloo sea and its effects on baking bread and water refinery in Shiraz, General Seminar of environment health held at Tehran University of Medical Sc., 1995.
- 6- Massoudi Nejad, Immandel K, to study concentration of Tanon in fruits of oak varieties in Iran. The first meeting of Manpower training at Specialized Doctorate Degree courses, Tehran, Aug. 21 to Aug. 22, 2000.
- 7- Massoudi Nejad M, Imandel, K, Yasa N, to compare different methods for extract of Tanon from fruit of oak different varieties in Iran, the first International meeting of Traditional Medicine and Medical substances, Tehran, Nov. 7 to Nov. 10, 2000
- 8- Massoudi Nejad, Mohammad Reza, Rezazadeh Azari, Mansour; feasible study of applying oak essence in removing heavy metals from plating industries wastes, the 4<sup>th</sup> General Conference of Environment , Yazd, Nov.6, to Nov.8, 2001.
- 9- Massoudi Nejad M, Yazdanbakhsh A, to compare removal efficiency of Chrome, Nickel and Cadmium from industrial wastes by PH controllers, the 5<sup>th</sup> General

Conference on Environment, Iran University of Medical Sciences, 26<sup>th</sup> to 28<sup>th</sup> Oct. 2002.

- 10- Massoudi Nejad M, Yazdanbakhsh A, Removal of Chrome and Nickel from underground water resources contaminated to wastes by using oak fruit essence, the first congress on preventive noncontagious diseases, Research Center of Metabolism and Endocrine , 29<sup>th</sup> – 1<sup>th</sup> Nov. 2002.
- 11- Massoudi Nejad, M.R. , Khatiby, M. , To study the possible contamination of Tehran under grand water with MTBE in 2002, 8<sup>th</sup> National congress on Environmental Health, tehran university of medical sciences, 8-10 Nov.2005
- 12- Massoudi Nejad M, Yazdanbakhsh A, effective petrolum without lead as human and Environmental , occupation , and concer in Iran, Tehran , May 27 to May 29,2006.
- 13- Massoudi Nejad, M.R. , Khatiby, M. , Adibzadeh , A., Amini, H., Elimination of Hydrogen sulfide by compost Biofilters a lab scale, the 1<sup>th</sup> National confarence on world Environmental day, Tehran university, Tehran, June 11,2007.
- 14- Massoudi Nejad, M.R. , Yazdanbakhsh,A., Khatiby, M. , Removing dye in the sewage produced by wearing ployacrylic Industry through oxidation by chloring, the 1<sup>th</sup> National confarence on world Environmental day, Tehran university, Tehran, June 11,2007.
- 15- Massoudi Nejad, M.R., Khatiby, M., sick building syndrome (SBS), the 1<sup>th</sup> congress of Hospital Infection control, code No. 11027242, Shaheed Beheshty University of Med. Sci., Tehran, Iran, 7 – 9 November 2007.
- 16- Massoudinejad, M.R., Khatiby, M., Adibzadeh, A., Amini, H., Hydrogen sulfide removal by thiobacillus thioparus Bacteria on sea shells media Bio-filters, the 10<sup>th</sup> General conference of Environment, hamedan,oct., 30, to nov., 1, 2007.
- 17- Massoudinejad, M.R., Khatiby, M., Air Pollution Control by Biofilteres in the Calfculture and Aviculture, the first conference on Environment empact assessment , Qoum University of medical sciences, 26 to 27 February, 2008.
- 18- Massoudi Nejad, M.R., Production of edible agaricus bispourus in the deprive country of Iran, 1<sup>st</sup> National Congress of Plant Biology, Payam Noor university of Talesh, August 13 to August 15, 2008.

19- Massoudi Nejad,M.,Rezazadeh Azari,M., Decrease of Textile wastewater Indicators for Biological Treatment , The first conference of microbiology in the Industrial, Islamic Azad University,north unit, 12 November,2008.

20- Massoudi Nejad ,M., Removed of Gaseous contaminates from mines by Activated carbon filters, The 8<sup>th</sup> congress on safety, Health & Environment in Mines and Related Industries, Tehran- IRIB Int'l confrence center, 25-27 Novamber,2008.

21- Massoudi Nejad, M., Quality hygienic increase and alimentary mushroom manufacture in full electronic package, 2<sup>th</sup> congress on Food process of costruction, Tarbiat Modares university, Tehran, Int'l confrence center kanoon,1-2 December, 2008

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### **Compilations:**

1- Massoudi Nejad M, Khani M, Manshoori M, Surveying, first Edition, Diba Garan Ketab publications, Tehran, 1998.

2- Massoudi Nejad M, Amal saleh, E., sajjadi , S., Rafaatbakhsh,M., English language for students of Environment Hygiene, 2 nd Edition, SAMT publications, Tehran, 2002.

3- Massoudi Nejad , M. , Khani , M., Manshoori, M., surveying, 8nd, Tehran Dibagaran Ketab, January 2004.

4- Ministry of health and Medical Education , Textbook of public Health, second edition, Arjomand publications, Tehran, 2006.

5- Ministry of healf Shaheed Beheshty University of Med. Sci., Basic Concepts of Nosocomial Infection Control, pediatric infectious research center, November 2007.

6- Ministry of Health shaheed Beheshty university of Med.Sci., Training manual of road traffic injury prevention, first Edition, SAAS NAJA publications, Tehran,2008.

7- Massoudi Nejad , M. , Fallahzadeh, R.A., Fundamentals of water resources treatment and operation (using animation), hafiz publications, tehran, 2009.

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## **Research projects:**

- 1- Project's co-partner: Massoudi Nejad, Mohammad Reza, Project's executor: Ghiasoldin M, to study lead in Tehran atmosphere, Financier: Research Institute of Health Sc. Of Tehran Medical Sc. University. Location: Tehran, starting date: 1988 finishing date: 1989.
- 2- Project's executor: Massoudi Nejad, Mohammad Reza. Project's co-partner: Shojaie H, to study pollution ( contamination) of salt extracted from Maharloo sea as the result of releasing wastes of the city of Shiraz. Financier: Shiraz University of Medical Sc., location: Shiraz, Starting date: 1992 finishing date: 1994
- 3- Project's executor: Massoudi Nejad, Mohammad Reza. Project's co-partners: Rezazadeh, Azari, Mansour and Imandel, Keramatollah. Title: Feasible study of application of oak essence in removal of heavy metals from wastes of plating industries. Financier: Research Deputy of Shahid Beheshti University of Medical Sc., Date of project's ratification: Aug. 4, 1999 Finishing date: Aug. 4, 2001.
- 4- Project's co-partner: Massoudi Nejad, Mohammad Reza. Project's executor: Yazdanbakhsh. Ahmad Reza, to study UASB reactor efficiency in active sludge with growth media for the purpose of removal of Phenol from Wastes. Financier: Research Deputy of Shahid Beheshti University of Medical Sc. Date of project's ratification: Feb. 24, 2002 Finishing date: Feb. 24, 2004
- 5- Project's executor: Massoudi Nejad, Mohammad Reza, To study probability of contamination of underground water resources of Tehran ( contaminated to: Methyl, ether butile , acerbity) ( MTBE) in 2003. Financier: Iranian National Medical Sciences Research Center. Date of project's ratification: March 16, 2003 finishing date: March 16, 2004.
- 6- Project's executor: Mashoudi Nejad, Mohammad Reza, designing Water distribution and supply system of Aloak Water Supply Complex in Varamin region in 2002. Financier: Rural Water and Sewage Company. Date of project's ratification: March 2003. Finishing date: March 2004.
- 7- Project's executor: Massoudi Nejad, Mohammad Reza. Design of Water distribution and Supply System of Shemshak Water Supply Complex in Shemiranat, in 2003. Financier: Rural Water and Sewage Company, Date of project's ratification: June 2003 finishing date: June 2004.

- 8- Project's executor: Massoudi Nejad, Mohammad Reza: Design of Refinery house of Taftris paint and Weaving industries located at Takestan in 2004. Financier: Taftris Dyeing and Weaving industry, date of project's ratification: Jan. 15, 2004 finishing date: Jan. 14, 2005
- 9- Project's executor: Massoudi Nejad, Mohammad Reza: To study probability of contamination of underground water resources of deep well in Tehran zone of savojblagh , in 2004. Financier: Rural water and sewage company, Date of projects ratification: July 2004 finishing date: July 2005.
- 10- Project's executor: Massoudi Nejad, M., Hydrogen sulfide removal by thiobacillus thioparus Bacteria on Compost media and Activated Carbon media Bio-filters, financier : Research Deputy of shahid Beheshti university of Medical Sc., Date of project 's ratification : Oct 2006, finishing date : March 2007.
- 11- Project's executor: Massoudi Nejad, M., To study, Design and production electronic hook order to mouses controlling , financier : Research Deputy of shahid Beheshti university of Medical Sc., Date of project 's ratification : March. 2007, finishing date : March 2008.
- 12- Project's executor: Massoudi Nejad, M.R., Design pressure water supply for garden in the Zamyad factory with human wastewater treatment, financier: Zamyad factory, Data of project 's ratification: May 2007, finishing date: August 2007.
- 13- Project's executor: Massoudinejad, M.R., Design and production pressure swing adsorbtion (PSA) for oxygen media, financier: Research Deputy of sci. and tech. unver. of Med.sci. in Tehran, Date of project's ratification: March 2007, finishing date: March 2008.
- 14- Project's executor: Massoudinejad, M.R., Disinfection water by electrolize without use of chemical disinfection, financier: Research Deputy of shaheed beheshty university of medical sci., Date of project's ratification: December 2007, finishing date: May 2009.
- 15- Project's co-partner: Massoudi Nejad, Mohammad Reza, Project's executor: soori, Hamid, Study and situational anahysis of epidemiologic & administration of road traffic injuries in I.R. of Iran, Research Deputy of shahid beheshti uni. Of Med. Sci. Date of Project's ratification: oct.14, 2007, finishing date: Dec. 12, 2008.

16- Project's executor: Massoudinejad, M.R, Project's co-partner: kia kojory, R., water treatment by zeolite for softner, in 2009, financier: Rural water and sewage compeny and Research Deputy of shaheed beheshty university of medical sci., Date of project's ratification: December 2009, finishing date: December 2010.

17- Project's executor: Massoudinejad, M.R., Amoniac Removal by Nithrozomonas Europa Bacteria on Biofilters, financier: National Research institute of tuberculosis and disease, Date of project's ratification: April 2009, finishing date: April 2010.

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### **Guidance professor**

Azimi A., **Advisor:** Massoudi Nejad M., Removal of Chrome from wastes of Tannery industries by oak essence (tanic acid), to receive Master's Degree in the field of Environment Engineering, faculty of Environment, Tehran University, 2002.

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### **Registered Invention and innovations:**

- 1- Design and making of Light table used for drawing
- 2- Design and making of light board fixed on the wall
- 3- Invention registration: Extraction of Tonic acid and Galic acid from fruit of oak tree as a substance used in refinery of industrial wastes, Registration No.: 19433 date of registration: March 10, 2004, Department for Registration of Companies and Industrial Ownership
- 4- Invention registration: Design and making Batch design system for elecric hook in the mouse trap, Registration No: 34250, date of registration: March 5, 2005, Department for Registration of Companies and Industrial ownership.
- 5- Invention registration: Design and making electronic system Batch Production mushroom order to Health Production optimization Increase Production in unit area and decrease worker, , Registration No: 34251, date of registration: March 5, 2005, Department for Registration of Companies and Industrial ownership.
- 6- Invention registration: Design and making biofilter for Hydrogen Sulfide removal by Thiobacillus Thioparuse Bacteria, registration No.38203 date of registration: Dec 30, 2006, Department for Registration of Companies and Industrial ownership.

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**Selective plans of Festivals and domestic and international awards:**

Research project of Lead concentration in surrounding air , soil and plants of petrol stations in Tehran, Selective of Kharazmi Festival, No. 11430 dated Jan. 12, 1992.

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**Miscellaneous :**

- 1- Membership at Iran Hydraulic Society
- 2- Membership at Iran Water and Sewage Society
- 3- Membership at Environment specialists
- 4- Educational Deputy of Health Faculty
- 5- Membership at Incubator of Shahid Beheshty university in Iran.
- 6- Membership at Iran society for development of landscape & Environment conservation.
- 7- Membership at Iranian Inventors Association

**Academic records:**

- 1- High school diploma- Experimental Sc.- Kharazmi High school- Graduated in 1978
  - 2- Bachelor's Degree- Environmental Hygiene- Tehran University- Graduated in 1985
  - 3- Master's Degree- Engineering of Environmental hygiene- Tehran University- Graduated in 1989
  - 4- Doctorate Degree- Environment – Research and Science Unit of Azad University- Graduated in 2001.
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## **Work Record:**

- 1- Researcher- Health Sciences Research Institute- 1985 to 1987
- 2- Researcher- Industrial and Academic Research Center of Oil Company- 1987 to 1989
- 3- Faculty member- Shiraz University of Medical Sc.- 1989 to 1995
- 4- Faculty member- Shahid Beheshti University of Medical Sc.- 1995 to now.

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## **Records of Executive tasls”**

- 1- Design of Water Supply Network and Chamazkari village in Mazandaran province- 1986
- 2- Design of Water supply Network and sanitation of Spring of Alasht village in Mazandaran province- 1987
- 3- Sanitation of Spring and Water Storage Tanks of Mazandaran Province villages- 1988
- 4- Head of 2<sup>nd</sup> Army Health Engineering Unit- Ahwaz- 1986
- 5- Head of Salman Headquarter ( Ahawaz 2<sup>nd</sup> Army Drawing Unit)- 1987
- 6- Sanitation of flood plain of Shiraz in order to control pollution releasing to Maharloo Sea ( Fars Governor’s Office Plan) , 1992.
- 7- To evaluate pollution of salt produced from Maharloo sea as the result of release of Shiraz City sewage, Research Deputy Office of Shiaraz University of Medical Sc., 1994.
- 8- Design of Sewage refinery of Zeynabieh Hospital, Research Deputy Office of Medical Sc.- 1995
- 9- Design of sewage refinery of Galvanization ( plating) industries by using modern method of applying of oak essence, Research Deputy of Shahid Beheshti University of Medical Sci., 1999.
- 10- Assessment of Rubbish collection project of Dist. 6 Tehran Municipality with respect of green space ( Rubbish Separation Project), Research Deputy of Green Space, Recycling Unit of Dist. 6 in 2002.
- 11- Managing Director of Payab Engineering Services Company from 1996 to 1998.
- 12- Design and Manufacture of Drawing saloon, Bandar Abbas University of Medical Sc., 1997.

- 13- Design and Manufacture of workshop saloon for installment of pumps and educational pumps of Islamic Azad University, Tehran Medical Sc. Branch in 1998.
- 14- Design and Manufacture of Star and Triangle Electricity board for training in drilling of deep wells.
- 15- Manegment project (No. p/25/10/3/3760) Research Deputy of Shahid Beheshti University of Medical Sci. 8 Jul., 2007.