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## Scientific References

**h. Index:** 13 (<http://www.scopus.com/authid/detail.url?authorId=36101998900>)  
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## Educational Qualification

2007-2010 PhD, Environmental Health, [University of Mysore](#), Mysore, India  
2004-2006 M.Sc. Environmental Health Engineering, [University of Mysore](#), Mysore, India  
1999-2001 B.E. Environmental Health Engineering, [Urmia University of Medical Sciences](#),  
West Azarbaijan, Urmia, Iran  
1995-1997 Associate Degree, Environmental Health, [Kurdistan University of Medical  
Sciences](#), Sanandaj, Iran  
1991-1995 High school, Experimental Science, Shaheed Qasri High school, Sanandaj, Iran  
1996 Diploma in Computer, Professional –Technical Training Center, Sanandaj-Iran  
2005 Certificate course in IT Awareness, CIST, Mysore, India  
2007 Certificate course in ArcGIS, CIST, Mysore, India

## Workshops Attended

1. Workshop on Research Methodology, Baneh Health Center, Kurdistan, Iran-2001
2. National Conference on Environmental Pollution and Management, JSS College, Mysore, India-2005

3. Workshop on Recent Applications of Remote Sensing and GIS, University of Mysore, Mysore, India-2006
4. Workshop on Entrepreneurship, Kurdistan University, Sanandaj, Iran-2006
5. Workshop on Education Skills, Kurdistan University of Medical Sciences. Sanandaj, 2011
6. Workshop on HealthCare Waste Management, Tehran University, Tehran, 2011
7. Workshop on How to Write for and Get Published in Scientific Journals, Tehran University, 2011
8. AMA Workshop, University of Sulaimani, Sulaimani, Kurdistan Region, Iraq, 2012

### Workshops Conducted

1. HealthCare Waste Management, Kurdistan University of Medical Science, Sanadaj, 2011
2. How to Write for and Get Published in Scientific Journals, Kurdistan University of Medical Sciences, Sanandaj, 2011.

### Published Papers (لطفاً به نحوه فرمت و ترتیب آرایه مقالات چاپ شده توجه فرمایید)

1. Shahmoradi, B. & Qavami, A. (2008). [Specification of the sanitary boundaries of A well.](#) *JERAD*, 2(4), 523-529. IF = 0.156.
2. MoosaviRad, S.M., Shankara, M. MoosaviRad, S.H., & Shahmoradi, B. (2009). [The Influence of time in absorbing rare earth elements by ion exchange method.](#) *J. Ultra Chem.*, 5(2), 7-12.
3. Shahmoradi, B., Bahrami, A. & Shahmoradi, B. (2015). Risk management in agricultural farms. *Indian J. Finance Economics*. 4(1), 51-59. (Scopus)
4. MoosaviRad, S.M., Shankara, M., MoosaviRad, S.H. & Shahmoradi, B. (2009). [Selecting suitable resin for parting yttrium from leaching solution of Saghand uranium mine in Yazd of Iran.](#) *J. Nat. Environ. Pollut. Technol.*, 8(2), 313-316 (*ISI Journal*). IF = 1.621
5. Shahmoradi, B. & Mousavirad, S.M. (2009). [Investigation on People's Knowledge, Attitude and Operation of Municipal Solid Waste Management \(MSWM\) in Sanandaj City, Iran.](#) *J. Nat. Environ. Pollut. Technol.*, 8(3), 539-544 (*ISI Journal*). IF=1.621
6. Sajan, C.P., Shahmoradi, B., Shivaraju, H.P., Rai, K.M.L., Ananda, S., Shayan, M.B., Thonthai, T., Rao, G.V.N. & Byrappa, K. (2010). [Photocatalytic degradation of textile effluent using hydrothermal synthesized titania supported molybdenum oxide photocatalyst.](#) *J. Mater. Res. Innov.* 14(1), 84-96. (*ISI Journal*). IF = 0.409

7. Shahmoradi, B., Ibrahim, I.A., Namratha, K., Sakamoto, N., Ananda, S., Somoshekar, R., & Byrappa, K. (2010). [Surface modification of indium doped ZnO hybrid nanoparticles with n-butylamine](#). *Int. J. Chem. Eng. Res.*, 2(2), 107-118. (Index Copernicus)
8. Shahmoradi, B., Ibrahim, I.A., Sakamoto, N., Ananda, S., Somoshekar, R., Row, T.N.G. and Byrappa, K. (2010). [Photocatalytic treatment of municipal wastewater using modified neodymium doped TiO<sub>2</sub> hybrid nanoparticles](#). *Env. Sci. & Health-A.*, 45(10), 1248-1255. (*ISI Journal*). IF = 1.107
9. Shahmoradi, B., Soga, K., Ananda, S., Somoshekar, R. & Byrappa, K. (2010). [Modification of neodymium doped ZnO hybrid nanoparticles under mild hydrothermal conditions](#). *Nanoscale*, 2(7), 1160-1164. (*ISI Journal*). IF = 5.914
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11. Shahmoradi, B., Maleki, A. & Byrappa, K. (2011). [Photocatalytic degradation of amaranth and brilliant blue FCF dyes using in Situ modified tungsten doped TiO<sub>2</sub> hybrid nanoparticles](#). *Catal. Sci. Technol.*, 1(7), 1216-1223. (*ISI Journal*). IF= 3.756
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21. Ebrahimi, R., Maleki, A., Shahmoradi, B., Daraei, H., Mahvi, A.H., Barati, A.H. & Eslami, A. (2013). [Elimination of arsenic contamination from water using chemically modified wheat straw](#). *Desal. Water Treat.*, 52(12-13), 2400-2411 (*ISI Journal*). IF= 1.173
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53. Salehi, K., Shahmoradi, B., Bahmani, A., Pirsaeheb, M., & Shivaraju, H.P. (2016). [Optimization of Reactive Black 5 Degradation using hydrothermally synthesized NiO/TiO<sub>2</sub> Nanocomposites under natural sunlight irradiation](#). *Desal. Water Treat.*, 57(62), 25256-25266, doi: 10.1080/19443994.2016.1149890 ISI (IF = 1.612).
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63. Shahmoradi B., Pirsahab M., Pordel M.A., Khosravi T., Pawar R.R. & Lee S-M. (2017). [Photocatalytic performance of chromium-doped TiO<sub>2</sub> nanoparticles for degradation of Reactive Black 5 under natural sunlight illumination](#). *Desal. Water Treat.*, 67, 324-331. doi: 10.5004/dwt.2017.20373. ISI (IF = 1.612).

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84. Kohzadi S., Amini A., Shahmoradi B., Mohammadi S. & Shivaraju H.P. (2018). [Estimating the health effects of PM<sub>10</sub> on the population of Sanandaj City during 2010–2014 using AirQ model](#). *J. Adv. Environ. Health Res.*, 6(2), 62-67. DOI: [0.22102/jaehr.2018.72074.1002](#).
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#### **Published (translated from English to Persian) Books**

1. [Urban Traffic Pollution](#), Uremia University of Medical Science Publisher, Iran, 2004
2. [Water and Wastewater Technology](#), Kahniran Publications, Tehran, Iran, 2011
3. *Bilingual Dictionary of Air Pollution*, Sepehr Danesh Publications, Hamedan, Iran, 2011
4. [Water Quality Monitoring](#), Shasoosa, Kashan, Iran, 2011
5. [Air Pollution](#), Sepehr Danesh, Hamadan, Iran, 2011
6. [Bilingual Dictionary of Solid Waste](#), Sepehr Danesh Publications, Hamedan, Iran, 2011
7. [Bilingual Dictionary of Air Pollution](#), Sepehr Danesh Publications, Hamedan, Iran, 2011
8. [Cities and Design](#), Qom Municipality, 2016

#### **Published Books in English**

1. Shahmoradi, B. (2011) [Surface Modification of Nanomaterials for Environmental Applications- Synthesis, Characterization, and Application](#). Lambert Academic Publisher. Germany. ISSN: 978-3-8473-2937-4.
2. Modoodi, M.N., & Shahmoradi, B. (2012) [Pesticides Impacts on Soil and Water Systems: A Case Study of Mysore District \(India\)](#). Lambert Academic Publisher. Germany. ISSN: 978-3-8484-0320-2.
3. Shahmoradi, B., Byrappa K., & Maleki, A. (2012). [Hydrothermally Modification of Metal Oxide-Doped TiO<sub>2</sub> Nanomaterials: In Handbook of Functional Nanomaterials](#), Volume 2, Chapter 5, Nova Publisher, U.S.A.
4. Shahmoradi, B., & Byrappa, K. (2016). [Fabrication, characterization, and environmental application of metal oxide doped ZnO hybrid nanomaterials](#): In *Nanoscience in Food and Agriculture 3*, Chapter 1, Springer, Switzerland. DOI: 10.1007/978-3-319-48009-1\_1. ISBN 978-3-319-48009-1 (eBook).

#### **Memberships**

Iranian Scientific Association of Environmental Health since 2001

International Association of Nanotechnology since 2007

European Federation of Biotechnology since 2005

Member and National Representative of International Organization for Biotechnology and Bioengineering since 2007

American Nano Society since 2011

American Chemical Society since 2011

### **Editorial Team**

Associate Editor: Journal of Advances in Environmental Health Research

Editorial Team, Open Access Journal of Chemical Engineering and Material Science

Editorial Team, Open Access International Journal of Water Resources and Environmental Engineering

Editorial Team, International Journal of Biomedical and Healthcare Science

Editorial Team, International Journal of Environmental Engineering and Management

Associate Editor: Journal of Health and Environment [In Persian]

Director, Journal of Environment and Water Engineering ([www.jewe.ir](http://www.jewe.ir)) [In Persian]

### **Conferences Membership**

1. Scientific Committee Member, The 7<sup>th</sup> International Iranian Students Scientific Conference, Mysore, India, 2007
2. Scientific Committee Member, The 8<sup>th</sup> International Iranian Students Scientific Conference, Mysore, India, 2007
3. Organizing Committee Member, 38<sup>th</sup> National Seminar on Crystallography, Mysore, India, 2009
4. Scientific Committee Member, 1<sup>st</sup> International Conference on Current Trends in Researches, Mysore, India, 2010
5. Scientific Committee Member, 3<sup>rd</sup> National Conference on Environmental Health, Sanandaj, Iran, 2012

6. Scientific Committee Member, 1<sup>st</sup> National Conference on Modern Technologies for Crisis Management, Sanandaj, Iran, 2012
7. Organizing Committee Member, Science One 1<sup>st</sup> International Conference on Environmental Sciences, Toronto, Canada, 2012.
8. Scientific Committee Member, 1<sup>st</sup> International & 4<sup>th</sup> National Conference on Urban Development based on New Technologies, Sanandaj, Iran, March, 2014.
9. Organizer, Mini-Symposium on Environmental Nanotechnology, ANBRE13, COEX, Seoul, Korea, August 2013.
10. Organizer, Mini-Symposium on Environmental Nanotechnology, ANBRE13, COEX, Seoul, Korea, August 2015
11. Organizer, 8<sup>th</sup> World Medical Nanotechnology Congress and Expo, Texas, USA, June, 2016
12. Organizer, 15<sup>th</sup> World Medical Nanotechnology Congress, Osaka, Japan, October, 2017

Master Dissertation/Ph.D. Thesis Supervisor/Advisor: **43**

### **Teaching experience**

Engineering Principle of designing water and wastewater treatment plants (B.E. in Civil engineering)

Environmental Engineering (B.E. in Civil engineering)

Ecology and Environmental Design principles (B.E. and M. Tech. in Urban Planning)

Advanced English ((B.E. in Civil engineering and B.E. in Environmental Health)

Disinfectants (B.E. in Environmental Health)

Water and wastewater piping (practical course for B.E. in Environmental Health Engineering)

Well design (B.E. in Environmental Health Engineering)

Health emergency planning in emergencies, (B.E. in Environmental Health Engineering)

Solid Waste Management (B.E. and M. Tech in Environmental Health Engineering)

Designing Wastewater Collection Systems (B.E. in Environmental Health)

Ecology (B.E. in Urban Planning)

Industrial wastewater Management (M. Tech in Environmental Health Engineering)

Water and Wastewater Treatment Plants Operation & Maintenance (B.E. in Environmental Health Engineering)

Water and Wastewater Treatment Principles (M.Tech. in Chemistry Engineering)

Educational workshops (Ph.D. in Environmental Health)

Reporting and Documentation (Ph.D. in Environmental Health)

Project Management (Ph.D. in Environmental Health)