



Jiroft University of Medical Sciences



Curriculum Vitae

NAME: **Gholam Ali Haghghat**

Degree

Personal Information

Name: Gholam Ali Haghghat

Address: Jiroft University of Medical Sciences, Health Faculty, Environmental Health Eng. Department, shahid Solimani square, Jiroft City, Kerman Province, Iran.

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Educational Degree

PhD Candidate in Environmental Eng- Water & wastewater Eng, Shahid Beheshti University, Tehran, Iran. Since 2017.

The title of the doctoral thesis:

"Investigation of catalytic removal of **metronidazole** and **crystal violet** dye from aqueous medium by composites synthesized using **graphene oxide**, **bismuth oxide iodide** and **metal organic framework**; Process modeling and optimization"



Jiroft University of Medical Sciences

MPH Degree in Health In Disaster Management, School of public Health, Tehran University of medical sciences, 2017

Thesis title:

"Comparison of Knowledge, Attitude of Relief Personal, About Response Health Action in Emergency Situations Larestan"

MSc in Environmental Health Engineering, Health Faculty, Tehran University of Medical sciences, Tehran, Iran., Date.2011

Thesis title: Comparison of carbon nanotubes(Single & Multi Wall) and activated alumina efficiencies in fluoride removal from drinking water

BSc in Environmental Health Engineering, Health Faculty, Tehran University of Medical sciences, Tehran, Iran, 2006.

Administrational Experiences

1. **From 2016 (Feb) – Since: Instructor of Environmental Health Engineering, Department of Environmental Health, School of Health, Jiroft University of Medical Sciences, Jiroft, Iran.**

2.

Teaching Experiences

1. Course, Learners, University.

2.

Reviewer of the following Journals

1. **J Jiroft Univ Med Sci**

2. **J fasa Univ Med Sci**

3. **Journal of Health Research in Community**

4. **The Journal of Toloo-e-behdasht Yazd**



Jiroft University of Medical Sciences

Research Interest Keywords

1. [Environmental Health](#)
2. [Water Treatment](#)
3. [Wastewater Treatment](#)
4. [Disaster Managment](#)

Publication

Full Paper Published in Peer-reviewed Journals In English (from the most recent)

1. **Comparison of carbon nonotubes and activated alumina efficiencies in fluoride removal from drinking water.** **Gholam Ali Haghghat**, Mohammad Hadi Dehghani*, Simin Nasseri, Amir Hossein Mahvi and Nooshin Rastkari. **Indian journal of science and technology**, mar 2012,vol5
<http://www.indjst.org/March%2012-%20web/37%20paper-5.pdf>
2. **Exposure Assessment of Extremely low frequency Electric Fields in Tehran(IRAN), 2010**
Parvin Nassiri, Mohammad Reza Monazzam, Ehsan Gharachahi, **Gholam Ali Haghghat**, Masoud Yunesian, Narges Zaredar. **Health Physics Journal**. 2013 jan ;104(1)87-94.
3. **Adsorptive removal of fluoride from aqueous solution using single-and multi-walled carbon nanotubes.** MH Dehghani, **GA Haghghat**, K Yetilmezsoy, G McKay, B Heibati, I Tyagi, ...
Journal of Molecular Liquids 216, 401-410



Jiroft University of Medical Sciences

4. **Spatial and temporal variability of fluoride concentrations in groundwater resources of Larestan and Gerash regions in Iran from 2003 to 2010.** H Amini, **GA Haghghat**, M Yunesian, R Nabizadeh, AH Mahvi, ... *Environmental geochemistry and health* 38 (1), 25-37
5. **Data on fluoride concentration in drinking water resources in Iran: a case study of Fars province; Larestan region.** MH Dehghani, **GA Haghghat**, M Yousefi. *Data in brief* 19, 842
6. **Optimization of coagulation-flocculation process for turbidity removal using response surface methodology: a study in Ilam water treatment plant, Iran.** S Mazloomi, A Zarei, H Nourmoradi, S Ghodsei, P Amraei, **GA Haghghat**. *Desalination and Water Treatment* 147, 234-242
7. **Fluoride contamination in groundwater resources in the southern Iran and its related human health risks.** MH Dehghani, A Zarei, M Yousefi, FB Asghari, **GA Haghghat** *Desalination And Water Treatment* 153, 95-104, 2019
8. **The Effect of Partnership Care Model on Anxiety of Adolescent with β -Thalassemia** MR Foroutani, MP Nasab, A Dehghani, M Shamsizadeh, AMP Nasab, ..., **G A Haghghat** *Jundishapur Journal of Chronic Disease Care* 3 (4),2014
9. **Zeolitic imidazolate frameworks (ZIFs) of various morphologies against eriochrome black-T (EBT): Optimizing the key physicochemical features by process modeling** **Haghghat, G.A.**, Sadeghi, S., Saghi, M.H., (...), Colmenares, J.C., Shams, M. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 606,125391,2020
10. **Effective adsorptive removal of reactive dyes by magnetic chitosan nanoparticles: Kinetic, isothermal studies and response surface methodology.** Jaafari, J., Barzanouni, H., Mazloomi, S., (...), Soleimani, P., **Haghghat, G.A.** *International Journal of Biological Macromolecules* 164, pp. 344-355, 2020



Jiroft University of Medical Sciences

11. **Aminated graphitic carbon derived from corn stover biomass as adsorbent against antibiotic tetracycline: Optimizing the physicochemical parameters.** Haghghat, G.A., Saghi, M.H., Anastopoulos, I., (...), Giannakoudakis, D.A., Shams, M. **Journal of Molecular Liquids** 313,113523, 2020
12. **Removal of methylene blue by saccharomyces cerevisiae: Process modelling and optimization** Mazloomi, S., Bonyadi, Z., Haghghat, G.A., (...), Soori, M.M., Eslami, F. **Desalination and Water Treatment** 236, pp. 318-325, 2021
13. **Nickel and iron-based metal-organic frameworks for removal of organic and inorganic model contaminants.** Mohammadi, A.A., Niazi, Z., Heidari, K., Haghghat, G.A*., (...), Rezania, S., Barghi, A. **Environmental Research** 212,113164, 2022
14. **Removal of recalcitrant metronidazole from aqueous solution onto ZIF-8 & copper doped ZIF-8, process modelling and optimization.** Gholam Ali Haghghat, Gagik Badalians Gholikandi & Maryam Mirabi. **International Journal of Environmental Analytical Chemistry** 2023, <https://doi.org/10.1080/03067319.2023.2185777>

In Persian (from the most recent)

1. **Characterization of Carpet Cleaning Wastewater in Tehran, Iran.** F Changani, A Asadi, GA Haghghat, AH Mahvi. **Iranian Journal of Health & Environment** 5 (2), 2011
2. **Effects of Micro-Plastics in the Environment and Aqueous,** A Rashidi Mehrabadi, MJ Kazemi, GA Haghghat*, H Shakeri. **J Jiroft Univ Med Sci** 5 (2), 1-14, 2019



Jiroft University of Medical Sciences

3. **A Survey of the Environmental Health Status of Confectionery Workshops in Ilam (2016-2017)**
H Nourmoradi, A Amarloei, **G A Haghghat**, M Beigi, Z Bagrezaei, **J Jiroft Univ Med Sci** 3 (4), 315-324, 2018
4. Investigation of the environmental health status of hospitals of Medical University of Ilam in 2016
H Nourmoradi, **G A Haghghat**, M Doustei, Z Tirjou, S Mazloomi. **J Jiroft Univ Med Sci** 3 (4), 274-285, 2018
5. Investigation of the Economic, Health, Psychological and Social Costs Imposed on Family and Society due to Mother's Death: A Review Paper. Nasrin Sarafraz , Eghbal Sekhavati , **Gholam Ali Haghghat**. **J Jiroft Univ Med Sci** 3 (3), 2017
6. **The Study of Environmental Health Status of Male Student Dormitories of Ilam University of Medical Sciences in 2017.** MS Nourmoradi H, **Haghghat G A**, Karimi A. **J Jiroft Univ Med Sci** 3 (2), 164-172, 2017
7. **Investigation on the Environmental Health Status of Primary and Middle Schools of Abdanan City (Ilam) in 2016.** Mazloomi S, **Haghghat G A**, Koulivand Z, Rahmani S. **J Jiroft Univ Med Sci** 3 (2), 153-163, 2017
8. **Determining the research priorities of Jiroft University of Medical Sciences in 2017 based on the COHRED model.** Faryabi R, Barzin Z, Dadbakhsh M, Pilevarzadeh M, **Haghghat Gh A**
Journal of Jiroft University of Medical Sciences 3 (2), 144-152, 2017
9. **Investigating the Environmental Health Status of Schools in Jiroft City according to Iran's National Unifying Plan in 2019.** **Gholam Ali Haghghat**, Hamideh Kamali, Fatemeh Eslami, Akbar Esfandyari, Sajad Mazloomi , Jalil Jahfari, Sobhan Maleky. *Tolooebehdasht Journal* . 2022 ;21 (5) :34-48.[Persian]



Jiroft University of Medical Sciences

10. Investigation of the Epidemiological Trend of Cutaneous Leishmaniosis in Patients Referring to the Division of Health Center of Gerash (South of Fars Province) during 2007-2020. J Health Res

Commun. H Haghshenas, H Akbari, M Nowrouzi, A Mehralizade, **Gh A Haghghat**. 2022; 7 (4) :39-47

URL: <http://jhc.mazums.ac.ir/article-1-616-en.html>

Books

1. Industrial Wastewater (Foundation of Treatment Reuse & Analysis), By; **Gholam Ali Haghghat**, Maryam Gholami, Mohammad Taghi Ghaneian, Tahereh Jasemizad. ISBN: 978-600-7988-17-6. Khaniran Pub 2016.

2. Fatty Liver Disease and Physical Activity. ISBN: 9786007988107. By: M Davoody, **Gh A Haghghat**, A Raoufi. Khaniran Pub 2015.

Papers Presented in the National & International Congresses (Oral/Poster)

1. **Comparison of Knowledge, Attitude of Relief Personal, About Response Health Action in Emergency Situations Larestan.** A Ardalan, **GA Haghghat**, A Rahimiforoushani. **2nd International and 20th National Conference on Environmental Health and Sustainable**, 2017. Yazd, Iran.

2. **Investigating the Economic and Environmental Impacts of Iranian Department of Hospital's Dialysis Wastewater Recovery Management.** **Gholam Ali Haghghat**, Zahra Shamsizadeh, Mostafa Tizghadam. **3rd International and 21st National Conference on Environmental Health** February 26-28, 2019, Zanjan, Iran

3. **Trend Monitoring of Fluoride in Groundwater Resources of Iran from 2003 to 2010 Using Mann-Kendall Trend Test and GIS**



Jiroft University of Medical Sciences

Hassan Amini, **Gholam Ali Haghghat**, Masud Yunesian, Ramin Nabizadeh, Amir H. Mahvi,
Mohammad Hadi Dehghani, Afshin Maleki, Reza Rezaee, Rahim Davani

<http://science24.com/paper/28177>

Presentation: Oral at XXXth Conference of the International Society for Fluoride Research, by Hassan Amini. See On-line Journal of XXXth Conference of the International Society for Fluoride Research

4. Hypertension and Drinking Water Fluoride? Is There a Relationship? **Gholam Ali Haghghat¹, Masud Yunesian², Hassan Amini³**

<http://science24.com/paper/28311>

Presentation: Poster at XXXth Conference of the International Society for Fluoride Research, by **Gholam Ali Haghghat**

See On-line Journal of XXXth Conference of the International Society for Fluoride Research

National and International Congresses Attended

1. **2nd International and 20th National Conference on Environmental Health and Sustainable**, 2017. Yazd, Iran
2. **3rd International and 21st National Conference on Environmental Health**
February 26-28, 2019, Zanjan, Iran
3. **First National Conference on Agriculture and Health**2021, Jiroft, Iran.
4. **2nd Conference on Agriculture and Health**, 2023, Jiroft, Iran.
- 5.

Workshop Participated

1. **Disaster Management in Health**



Jiroft University of Medical Sciences

2. Health & Safety
3. Health System Research (HSR)
4. Environmental health management in emergency situations
5. Biological defense workshop
6. Nutrition management in emergency situations
7. Workshop on water transfer and its challenges

Workshop Executed

1. Introduction to Photocatalysts: Structure, Properties & Applications,
2. Standard precautions: Environmental cleaning & disinfection, World Health Organization, Health Emergencies Programme
3. Standard precautions: Hand hygiene, World Health Organization, Health Emergencies Programme
4. HSE-MS, 19,20 Feb 2020(40 Hours), Registration Number: QAL-246496-20-1436572
5. HSE Officer, 30th July 2020 (16 Hours), Registration Number: TUV-258-200905-222

Research Projects

Executive

1. Survey The Optimization Of Conventional Coagulants Dosage For Removal Of Turbidity From Water Using Design Expert Software
2. Survey the hospital waste management status of Jiroft City and providing suitable waste management patterns
3. Investigating the Environmental Health among Schools in jiroft District (2017-2018)
4. Metal organic frameworks synthesis and modeling their efficiency for erio chrom black t removal from aqueous environments
5. Synthesis of Zeolitic imidazolate framework-67 and evaluation of its efficiency in removal of fluoride from aqueous solutions
6. The assessment of malnutrition status and associated factors in children under 5- years of Anbarabad city, 2019



Jiroft University of Medical Sciences

7. Efficiency evaluation of magnetic chitosan/Fe₃O₄ composite: nanoparticles to remove Azo Reactive yellow14 and Azo Reactive Red 141 from aqueous solutions
8. Synthesis Of Iron And Nickel-Metal Organic Frameworks And Preliminary Study Of Their Efficacy In Removal Of Model Contaminants Organic & non Organic
- 9.

Teammate and Co-worker

1. Risk assessment of pesticides in agriculture farms Jiroft city and effect of drinking water resources using geographical zoning Arc-GIS software
2. Evaluation of the microbial and chemical quality of traditional juices in Jiroft's juicer shops in 2018
3. Analytical Study on the Prevalence of Fluorosis and DMFT in Sixth Grade Students of Qaleh Ganj and their Relationship with Fluoride Levels in Drinking Water Resources in 2018
4. Survey of Leishmaniosis Prevalence and relative risk factor in jiroft city from 2014 to 2018
5. Survey of Saccharomyces cerevisiae yeast efficiency in treatment of colored wastewaters (case study: reactive red 141 (RR 141), methylene blue, and methyl red dyes)
6. Evaluation of noise pollution in teaching hospitals in Jiroft And identifying the related factors
7. Investigating and comparing the effect of disinfecting properties of plant extracts and juice Calotropis procera, Ferula assa-foetida, Foeniculum vulgare, Glycyrrhiza glabra, Dracocephalum polychaetum and Verbascum
8. Investigating the fungal bioaerosols concentrations in the air of dormitories bathrooms and toilets of Jiroft university of medical sciences during 2021
9. Survey the concentration of heavy metals (Pb, Cd, Ni) in blood of Waterpipe smokers using biomarkers
10. Investigating the status of disaster risk management in hospitals affiliated by Jiroft University of Medical Sciences in 2023

Awards and Honors

1. 4th Iranian Environmental Science Festival. Third place in Inventions and Inventions (Iranian Environmental Health Science Association)



Jiroft University of Medical Sciences

2. The 14th festival to celebrate the country's top researchers and technologists. Top Researcher of Fars University of Applied Sciences in Fars, 2013& 2014.