Nader Biglarijoo: Curriculum Vitae

Faculty of Civil Eng., Semnan University, Iran +98 918 317 4613 nader.biglary@gmail.com

PERSONAL INFORMATION

Date of birth
June 18, 1987
Marital Status
Married (no children)
Birthplace
Hamedan - Iran

EDUCATIONAL BACKGROUND

2013-2018
Ph.D. in Civil and Environmental Engineering
Khaje Nasir Toosi University of Technology, Iran (18.88/20)
Supervisor: Prof. Seyed Ahmad Mirbagheri **Advisor:** Dr. Majid Ehteshami
Thesis: Optimization of Fenton process for leachate treatment using RSM, ANN and GA.

2011-2013
Master of Science in Civil and Environmental Engineering
Khajeh Nasir Toosi University of Technology, Iran (18.27/20)
Supervisor: Prof. Seyed Ahmad Mirbagheri
Thesis: Application of membrane and adsorption methods to remove heavy metals from wastewater.

2006 – 2010
Bachelor of Science in Civil Engineering
Bu-Ali Sina University, Iran (15.43/20)
Project: Using recycled aggregates in producing eco-friendly concrete.

2002- 2006
Diploma of Mathematics and Physics, Hamedan, Iran

HONORS & AWARDS

2016-2024: Reviewer of Journals
2016-2020: Workshop instructor in essay preparation: University College of Omran and Tosseh, Iran
2018-2020: Member of National Elite Foundation
2015: Conferred with Arrhenius Research Award in Environmental Science
2015: Television guest in Hamedan Channel as the expert in environmental issues
2013: Financial Support Candidate from Iran Nano-Technology Initiative Council for Master Thesis
2013: Ranked 2nd position in the national doctorate entrance exam
2013: Ranked as top three students (among 20 students) in Master Degree
2010: Ranked as top five students (among 71 students) in Bachelor Degree
2009: Ranked Sixth in Iranian Light Weight and High Strength Concrete Competition

PROFESSIONAL EXPERIENCES

2024-Now: Assistant Professor at Semnan University – Civil Engineering Faculty
2006-Now: Part-time professional English teacher (IELTS/ TOEFL/ PTE)
2015-2021: Part-time Lecturer at University College of Omran and Tosseh, Hamedan, Iran
2014-2016: Volunteer member of Yas Charity - Orphan Children - Organization (NGO)
2010: Co-op, Bu-Ali Sina University concrete laboratory

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PUBLICATION

Journal Papers

(1) Salehi, H., **Biglarijoo, N.**, Barkhordari, H. (2022). *Investigating the influence of parent concrete on mechanical properties of recycled concrete*, Sharif Journal: Civil Engineering 38(2), 47-57. {in Persian}
DOI: https://dx.doi.org/10.24200/j30.2021.57419.2909
(2) Salehi, H., **Biglarijoo, N.**, Barkhordari, H. (2021). *Response Surface Methodology Modelling to study the influence of recycled aggregates on some mechanical properties of recycled concrete*, AUT Journal of Civil Engineering.
DOI: http://dx.doi.org/10.22060/AJCE.2021.18634.5689
(3) Hosseinian, M., Hamidi, O., **Biglarijoo, N.**, Tavakoli, M. (2020). *Failures of the general conditions of the contract in the construction projects of universities, research institutes and science and technology parks affiliated to the Ministry of Science, Research and Technology.* Sharif Journal: Civil Engineering 36(2), 61-73. {in Persian}
(4) **Biglarijoo, N.**, Mirbagheri, S.A., Bagheri, M., Ehteshami, M. (2017). *Assessment of effective parameters in landfill leachate treatment and optimization of the process using neural network, genetic algorithm and response surface methodology*, Process safety and environmental protection, 106, 89-103.
DOI: http://dx.doi.org/10.1016/j.psep.2016.12.006
(5) **Biglarijoo, N.**, Nili, M., Hosseinian, M., Razmara, M., Ahmadi, S., Razmara, P. (2017). *Modeling and optimization of recycled concrete containing recycled concrete aggregate and waste glass.* Magazine of Concrete Research, 69(6), 306-316.
DOI: http://dx.doi.org/10.1680/jmacr.16.00279
(6) **Biglarijoo, N.**, Mirbagheri, S.A., Ehteshami, M., Moavenzadeh Ghaznavi, S. (2016). *Optimization of Fenton process using response surface methodology and analytic hierarchy process for landfill leachate treatment*. Process safety and environmental protection, 104, Part A, 150-160.
DOI: http://dx.doi.org/10.1016/j.psep.2016.08.019
(7) Mirbagheri, S.A., **Biglarijoo, N.**, Ahmadi, S., Razmara, P., Yazdandoost, A.R. (2016). *Removing Fe, Zn and Mn from steel making plant wastewater using RO and NF membranes.* Iranian Journal of Health Sciences, 4(4), 41-55.
(8) Mirbagheri, S.A., Ahmadi, S., **Biglarijoo**, **N.** (2016). *Denitrification of nitrate-contaminated groundwater in an anoxic rotating biological contactor: a case study*. Desalination and Water Treatment, 57(10), 1-7.
DOI: http://dx.doi.org/10.1080/19443994.2014.994106
(9) Ehteshami, M., **Biglarijoo, N.**, MohammadZadeh, M., Mirbagheri, S.A. (2015). *Hydrochemical analysis and evaluation of Damghan basin in Northeast Iran*. Journal of Energy and Environmental Sciences, 130, 585-595.
(10) Nili, M., **Biglarijoo, N.**, Razmara, M. (2015). *Effect of aggregates from recycled concrete, glass and waste plastics on concrete properties.* Sharif Journal: Civil Engineering 31(2), 111-119.
(11) Mirbagheri, S.A., **Biglarijoo, N.**, Keyhan Nejad, M. (2014). *Pilot plant studies for the removal of heavy metals from industrial wastewater using adsorbents.* Turkish Journal of Engineering and Environmental Sciences, 38, 159-166.
DOI:10.3906/muh-1404-18
(12) Ehteshami, M., **Biglarijoo, N.** (2014). *Determination of nitrate concentration in groundwater in agricultural area in Babol county, Iran*. Iranian Journal of Health Sciences, 2(4), 1-4.
(13) Ehteshami, M., **Biglarijoo, N.**, Salari, M. (2014). *Assessment and quality classification of water in Karun, Dez and Karkheh rivers*. Journal of River Engineering, 2(8).
(14) Nili, M., **Biglarijoo, N.**, Hosseinian, M., Ahmadi, S. (2014). *Disposing waste demolition in concrete as aggregate replacement*. International Journal of Materials, 1, 105-110.
(15) Mirbagheri, S.A., **Biglarijoo, N.**, Ahmadi, S. (2013). *Efficiency of two types of activated carbon column to treat industrial wastewater*. International Journal of Geology, 3(7), 88-93.
(16) Bodaghpour, S., **Biglarijoo, N**., Ahmadi, S. (2012). *A review on the existence of chrome in cement and environmental remedies to control its effects*. International Journal of Geology 2(6), 62-67.

Conference Papers

(1) Mohammadi, B., **Biglarijoo, N.** (2022). *Investigating the impact of substituting ceramic and recycled concrete with natural aggregates and comparing their effects in different percentages.* 2nd Conference on Civil Engineering, Urban Planning, Architecture and Environment, 1-10 {in Persian}.
(2) **Biglarijoo, N.**, Kaviani, K., Tofangsaz, S. (2020). *Studying and investigating hazardous materials.* 4th International Congress on Developing Agriculture, Natural Resources, Environment and Tourism of Iran, Tabriz, 90-105 {in Persian}.

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(3) **Biglarijoo, N.**, Kaviani, K., Tofangsaz, S. (2017). *A review on strategies to reduce the adverse effects of contamination in indoor environment*, 5th International Congress on Civil Engineering, Architecture and Urban Development, Shahid Beheshti University, Tehran.
(4) Nili, M., Hosseinian, M., **Biglarijoo, N.**, Ahmadi, S. (2012). *Mechanical properties of concrete containing high volumes of recycled concrete aggregate and waste glass*. 10th International Congress on Advances in Civil Engineering, Middle East Technical University, Ankara, Turkey, 1-7.
(5) Nili, M., **Biglarijoo, N**., Mirbagheri, S.A. (2012). *A review on the use of various kinds of debris and demolitions in concrete and mortar mixes*. 10th International Congress on Advances in Civil Engineering, Middle East Technical University, Ankara, Turkey, 1-10.
(6) Mirbagheri, SA, Ahmadi, S., **Biglarijoo, N.** (2012). *A review on the use of activated carbon, zeolite, and resins as adsorbents in water and wastewater treatment*. The 6th national conference & exhibition on environmental engineering, Tehran, Iran {in Persian}.
(7) Mirbagheri, SA, Ahmadi, S., **Biglarijoo, N.** (2012). *Usage of zeolite in cement mixture as pozzolanic material as well as its application in water and wastewater engineering as an adsorbent*. The 6th national conference & exhibition on environmental engineering, Tehran, Iran {in Persian}.
(8) **Biglarijoo, N.**, Razmara, M., Nili, M. (2011). *The impact of waste plastic as aggregates on mechanical and durability of concrete*. First Regional Congress of New Horizons in Civil Engineering, Hamedan, 82-91 {in Persian}.
(9) Nili, M., Hosseinian, M., **Biglarijoo, N.**, Ahmadi, S. (2011). *Assessing the influence of waste glass and recycled concrete aggregate on properties of concrete*. FIB Symposium in Prague, Czech Republic, 1-7.
(10) Hosseinian, M., Nili, M., **Biglarijoo, N.**, Ahmadi, S. (2009). *Semi-experimental formulas to predict the reactions between mechanical properties of recycled concrete.* 2nd International RILEM Conference on Progress of Recycling in Built Environment, Sao Paulo, Brazil, 141-153.

Books in Persian

(1) Razmara, P., **Biglarijoo, N.**, Razmara, M. (2017). *Principles of modeling in water systems, sewage and water resources.* Islamic Azad University Publication. Iran, p. 488.
(2) **Biglarijoo, N.**, Razmara, M. (2016). *From proposals to papers*. Roozandish Publication. Iran, p. 170.
(3) **Biglarijoo, N.**, Shabani, O. (2015). *Comprehensive course book of EPT exam*. Mazdak Press. Iran, p. 548.
(4) **Biglarijoo, N.**, Shabani, O. (2015). *Comprehensive course book of MSRT exam*. Mazdak Press. Iran, p. 507.
(5) **Biglarijoo, N.** (2013) "*Water/ wastewater treatment and solid waste management*", Modaresan Sharif Press. Iran, PhD Entrance Exam book. Iran, p. 769.

PROFESSIONAL MEMBERSHIP

- Iranian Civil Engineers Association
- Iranian Concrete Institute (ICI)
- Iranian Engineering Society of Hamedan

PROFESSIONAL INTEREST

- Sustainable development
- Modeling in civil & environmental engineering
- Solid waste management
- Advanced Oxidation process
- Membrane Filtration: RO/NF
- Physical/ chemical/ biological treatment of wastewater
- Concrete mixes/asphalt mixes/green approaches
- Recycled materials

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HIGHLIGHTS

- Strong communication skills
- Strong leadership skills
- Strong interpersonal and communication skills
- Strong motivation toward research activities

LANGUAGE SKILLS

- Persian (*Native*)
- English (*Professional Proficiency*)
- French (*Pre-Intermediate*)
- German (*Elementary*)

TEACHING EXPERIENCES

University Courses

- Principles of Environmental Engineering
- Principles of Water & Wastewater Treatment
- Water & Wastewater Engineering
- Principles of Industrial Wastewater Treatment
- Air Pollution and Ways to Control It

English Courses

- IELTS Courses, TOEFL Courses, PTE courses, Advanced Vocabulary, Grammar & Structure

HOBBIES & INTERESTS

- Literature (classic & modern)
- Sport (volleyball – mountain climbing - Cycling)
- Outdoors activities (camping – travel)
- Music (classic – rock – new age – country)
- Movies (romance – action – science fiction)
- Languages (English – French)