

ACADEMIC CURRICULUM VITAE

1. Name - Surname: FARHAD BOLOURI

2. Title: Faculty Member Training Program (ÖYP) – Research Assistant

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Civil Engineering	Azarbaijan Shahid Madani University	2018
Master's	Civil and Environmental Engineering	University of Tabriz	2020
PhD	Civil Engineering	Near East University	Continues

4. Master's / PhD Thesis

4.1. Master's Thesis Title and Thesis Advisor(s):

Sustainable Development Strategies of University of Tabriz with System Dynamics Approach and Prioritizing Sustainable Development Strategies Using Group Multi-Criteria Decision Making Tool (Supervisor: Prof.Dr. Mahdi Zarghami)

4.2. PhD Thesis /Medical Specialty Thesis Title and Advisor(s):

Predicting climate change using artificial intelligence and preventing it by implementing possible policies with a systems dynamics approach in Cyprus (Supervisors: Prof. Dr. Hüseyin Gökçekuş and Prof. Dr. Vahid Nourani)

5. Academic Titles:

Date of Research Assistant : 2021

6. Publications

6.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

1. Tokdemir, Ö., Alas, M., & **Bolouri, F.** "Investigation of Asphalt Raveling: A System Dynamic Approach", In: Yang, M., Samui, P., Lanzinha, J., Hu, J. (eds) Hydraulic and Civil Engineering Technology VIII, Advances in Transdisciplinary Engineering series, 2023.
<https://doi.org/10.3233/ATDE230837>

2. Gökçekuş, H., & **Bolouri, F.** "Transboundary Waters and Their Status in Today's Water-Scarce World", *Sustainability*, 15(5), 4234, 2023. <https://doi.org/10.3390/su15054234>
3. Nourani, V., Gökçekuş, H., **Bolouri, F.**, Sheikhabaei, A. "A Climate Action with Developing Five Minutes Walking Inside and Near Public Centers Software", In: Gökçekuş, H., Kassem, Y. (eds) *Climate Change, Natural Resources and Sustainable Environmental Management. NRSEM 2021. Environmental Earth Sciences*. Springer, Cham, 2022. https://doi.org/10.1007/978-3-031-04375-8_9

7.2. Papers Presented at International Scientific Conferences and Published in Conference Proceedings

4. Nourani, V., Gökçekuş, H. & **Bolouri, F.** "Adaptation to Climate Change by Implementing Possible Policies in the Field of Energy in North Cyprus with a System Dynamics Approach", 11th Annual International Conference on Sustainable Development, New York, USA, September 18-20, 2023 (Hybrid).
5. Promduangsri, P., Promduangsri, P., Alvarez de la Campa, S., **Bolouri, F.**, and Gökçekuş, H.: Variety and diversity in climate and ocean literacy activities, EGU General Assembly 2023, Vienna, Austria, 24–28 April, 2023, EGU23-215, <https://doi.org/10.5194/egusphere-egu23-215>
6. Promduangsri, P., Promduangsri, P., Alvarez de la Campa, S., **Bolouri, F.**, and Gökçekuş, H.: Climate and ocean literacy: Cultural dimensions, EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-217, <https://doi.org/10.5194/egusphere-egu23-217>
7. **Bolouri, F.**, Gökçekuş, H. & Nourani, V. "Management Of Emerging Pollutants with a Circular Economy Approach; Lessons from Developed Countries in This Field, Suggestions for Northern Cyprus", UNESCO-IWRA Online Conference "Emerging Pollutants: Protecting Water Quality for the Health of People and the Environment", 17-19 January, 2023 (Online).
8. Rozencwajg, Y., Yangbo, D., Gökçekuş, H. & **Bolouri, F.** "Investigating The State Of Operation Of Bio-Refinery in Today's Energy-Intensive World", 3rd International Conference on "Cyprus Issues: Environmental Challenges and Energy Security ECES-2022", 21-23 December, 2022 (Online).
9. Kalayci, D., Korutürk, K., Gökçekuş, H. & **Bolouri, F.** "Investigating The Status Of Energy Education In Line With Sustainability Education In Higher Education Institutions In The Eastern Mediterranean Region", 3rd International Conference on "Cyprus Issues: Environmental Challenges and Energy Security ECES-2022", 21-23 December, 2022 (Online).
10. Nourani, V., Gökçekuş, H. & **Bolouri, F.** "Investigating The Impact of Water Related Policies on Adaptation to Climate Change in Cyprus; A System Dynamics Approach", 3rd International Conference on "Cyprus Issues: Environmental Challenges and Energy Security ECES-2022", 21-23 December, 2022 (Online).
11. Nourani, V., Gökçekuş, H. & **Bolouri, F.** "Adaptation To Climate Change by Implementing Possible Policies in the Field of Energy in Cyprus with System Dynamics Approach", 3rd International Conference on "Cyprus Issues: Environmental Challenges and Energy Security ECES-2022", 21-23 December, 2022 (Online).
12. Gökçekuş, H., Kassem, Y. & **Bolouri, F.** "The Impact of The Smart City on Energy Consumption and Providing Solutions Based on Sustainable Development For The TRNC", 3rd International Conference on "Cyprus Issues: Environmental Challenges and Energy Security ECES-2022", 21-23 December, 2022 (Online).
13. Nourani, V., Gökçekuş, H., **Bolouri, F.** "Examining Climate Change Adaptation in North Cyprus and Defining Policies to Improve It with a System Dynamics Approach", 3rd IAHR Young Professionals Congress, Online, 29 November - 1 December 2022 (Online).

14. Gökçekuş, H. & **Bolouri, F.** "Root Cause Analysis of the Lack of Development and Attention to Water-related Fields in Middle East Higher Education Institutions", 3rd IAHR Young Professionals Congress, Online, 29 November - 1 December 2022 (Online).
15. Gökçekuş, H. & **Bolouri, F.** "A Comparison of climate change education in the USA, Germany, Turkey and Northern Cyprus' higher education institutions", International Eurasia Climate Change Congress, Van Yüzüncü Yıl University, Van, Turkey, 29 September - 01 October 2022.
16. Gökçekuş, H. & **Bolouri, F.** "Investigating the status of water management education in line with sustainability education in higher education institutions in Northern Cyprus", 2nd National Civil Engineering Symposium, Northern Cyprus, 14-15 September 2022.
17. Gökçekuş, H. & **Bolouri, F.** "Investigating environmental education focusing on climate change in the top 5 universities in Northern Cyprus and their climate action", International Conference on Environment and Human Health, Hong Kong Baptist University, 18-19 August 2022 (Online).
18. Gökçekuş, H. & **Bolouri, F.** "Assessing the Globalization and Sustainable Development of Higher Education Institutions in Northern Cyprus", 10th Annual International Conference on Sustainable Development, New York, USA, September 19-20, 2022 (Online).
19. Gökçekuş, H. & **Bolouri, F.** "The experts' experimental opinions on the development of the TRNC higher education sector and suggestions for achieving sustainable development", International Conference on Sustainable Development: Opportunities and Challenges, 12-13 January, 2022 (Online).
20. **Bolouri, F.**, "SDG 13 – Climate Action, In: AlphaZULU Advocates, Moses-Mullard, E., Tilbury, D., & Singhal, D. (eds) SDG NUGGET HOUR: A Compendium of Bitesize Views from Global Advocates and Practitioners of the Sustainable Development Goals. 2022. ISBN-13: 979-8807796448. <https://www.amazon.com/SDG-NUGGET-HOUR-Practitioners-Sustainable/dp/B09Y4LN584>
21. **Bolouri, F.** & Zarghami, M. (2021). "Investigating the sustainable development of University of Tabriz based on green management parameters and preferences of university managers", Journal of Sustainability Perspectives, 1 (2), 108-116.
22. **Bolouri, F.** "Sustainable Development Strategies of University with System Dynamics Approach", 23th UK System Dynamics Chapter Annual Conference, UK, 26 May, 2021 (Online).
23. **Bolouri, F.** & Beyrami, N. "Green measures of University of Tabriz in order to reduce and correct water consumption", 9th Annual International Conference on Sustainable Development, New York, USA, September 21-22, 2021 (Online).
24. Daryabari, M. & **Bolouri, F.** "Root cause analysis to achieve sustainable development and renewable energy management in Tehran city", 9th Annual International Conference on Sustainable Development, New York, USA, September 21-22, 2021 (Online).
25. Promduangsri, P., Promduangsri, P., **Bolouri, F.**, Caballero Leiva, I. M., Khodja, L., Knecht, E., Matsuoka, F., Parigi, R., and Sharma, L.: A smörgåsbord of climate literacy methods: Outlines & experiences, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-3041. <https://doi.org/10.5194/egusphere-egu21-3041>
26. Moravej, A., **Bolouri, F.**, Asghari Vbyaneh, A. & Naderi, S. "Prominent air pollution measurements and prevention policies with a closer look to the matter in the Tehran Megacity", Online Panel discussion on Roots of and Solution to Enforcing the Clean Air Act, TERRE Policy Centre, India. December 14, 2020 (Online).
27. **Bolouri, F.** "Using Youth Power to achieve to Sustainable Development Goals", International Online Conference of Young Scientists "Science for Peace and Development" (IOCYS 2020), Iran, November 10, 2020 (Online).
28. **Bolouri, F.** & Zarghami, M. "Assessing the Sustainability of a Campus by Simulating Green Strategies based on SDGs", 8th Annual International Conference on Sustainable Development, New York, USA, September 21-22, 2020 (Online).
29. **Bolouri, F.**, Daryabari, M. & Beyrami, N. "Predicting climate change according to the conditions and practices of Iran and proposing policies to improve the situation", 8th Annual International Conference on Sustainable Development, New York, USA, September 21-22, 2020 (Online).

30. **Bolouri, F.** & Dadkhaipour, S. "Electrical and Electronic Waste and Entrepreneurship by Managing and Recycling Them in Tabriz City", 7th International conference on Civil, Architecture and Environmental Sciences, Berlin, Germany, February 2020.
31. **Bolouri, F.** & Sheikhabaei, A. "Present strategies to Reduce Air Pollution in Universities along Green Management (Case Study: University of Tabriz)", The 5th International Conference on Civil Engineering, Architecture & Urban Planning with Sustainable development approach, Shiraz, Iran, September 2019.
32. **Bolouri, F.** & Zarghami, M. "Green Activities of University of Tabriz and Its Results", 2nd International Conference on Green University, Isfahan, Iran, May 2019.
33. **Bolouri, F.** "Examination air pollution in Tabriz city and presenting its reduction strategies with systems dynamics approach", The second National Conference of the Iranian System Dynamics Society, Tehran, Iran, April 2019.
34. **Bolouri, F.** & Dadkhaipour, S. "The Effect of Air Pollution on the Ecosystems of the Southern Regions of Iran and Providing Solutions", First National Conference on Persian Gulf Sustainable Development (Sensitive Ecosystems), Boushehr, Iran, September 2018.
35. **Bolouri, F.** & Asadi, E. "Examining the advantages and disadvantages of Tabriz's BRT and proposing alternative design", Civil engineering, Architecture and Urban Planning of the Islamic Countries, Tabriz, Iran, May 2018.

7. Projects

Local Pathways Fellowship project by UN Sustainable Development Solutions Network Youth Initiative (SDSN Youth) (2022) – 10-month program

8. Certified Courses

- Common Earth INSIGHTS: Developing a Systemic Understanding of Climate Change (Common Earth Academy, USA, May 2023)
- Youth and Climate Academy Engaging in climate action for a just transition (Full scholarship, International Training Centre of the International Labour Organization, June 2022)
- Climate Reality Leadership Corps (The Climate Reality Project, October 2021)
- System Dynamics Summer School online course "Introduction to System Dynamics" (Full scholarship, System Dynamics Society, August 2021)
- The Mediterranean and climate change: Impacts, people, action (Full scholarship, International Oceans-Climate School, Ocean Open University, France, Winter School, 2020)
- Using the UN Biodiversity Lab to Support National Conservation and Sustainable Development Goals (Full scholarship, Issuing authority: NASA - National Aeronautics and Space Administration; Apr 2020)
- Virtual Conference on The Right to Clean Air (Full scholarship, TERRE Policy Centre, Apr 2021)
- The Right to Breathe Clean Air (Full scholarship, TERRE Policy Centre, Apr 2020)
- Clean Air and the Evolution of International Law (Full scholarship, TERRE Policy Centre; Aug 2020)
- Introduction to System Thinking (Full scholarship, Waters Center for Systems Thinking; Jul 2020)
- Climate Interactive En-ROADs Ambassador course (Issuing authority: Climate Interactive, May 2020)
- Advanced PV Stand Alone & Grid Connected design by PVSyst (Audiso Italia - Credential ID: 003-10134; Dec 2018)

- Sustainable Development in the 21st Century with Ban Ki-moon (Credential ID: HXA8Z96U4RL9; Apr 2020)
- The Sustainable Development Goals – A global, transdisciplinary vision for the future (Credential ID: QYLCL5C2QGQC; Mar 2020)
- Social Norms, Social Change I (Credential ID: PDRQV6G8WER8; Feb 2020)
- Studying at Japanese Universities (Credential ID: X8Q96K2EURYP; Apr 2020)
- The Paris Agreement on Climate Change as a Development Agenda (UNSSC-UNFCCC) [United Nations System Staff College (UNSSC); Jul 2020]
- Unleashing the Power of the Private Sector for the 2030 Agenda [United Nations System Staff College (UNSSC); Oct 2020]
- Anti-Corruption in the Context of the 2030 Agenda [United Nations System Staff College (UNSSC); Jan 2020]
- Policy Coherence for Sustainable Development [United Nations System Staff College (UNSSC); Apr 2021]

9. Conferences and Holding Workshops

- Hybrid workshop series on Sustainable Development Goals (SDGs) with emphasis on three pillars (III); practice on smart city (Convener/Moderator and one of the four Presenters: Farhad Bolouri – 29 December 2023) (<https://www.youtube.com/live/S5MhAmJzDtk?si=D0XowghImLGB78Bj>)
- “Smart Cities and Sustainable Development Goals: Challenges and Opportunities” webinar – Guest speaker (E-Study Box Digital Education Platform – 25 December 2023) (<https://www.youtube.com/live/yTzZppeP1no?si=Lzcp9dlQWl0mbCOx>)
- Organizing and Advisory Board, Technical Committee and Moderator of the paper presentation session; 3rd International Conference of Water Problems on Mediterranean Countries (WPMC-2023) and 6th International Conference on Natural Resources and Sustainable Environmental Management (NRSEM-2023) (14-17 December 2023 – Near East University / Hybrid)
- “Smart City and Sustainable Water Resources Management Strategies” webinar – Guest speaker (E-Study Box Digital Education Platform – 10 November 2023) (<https://youtu.be/lagvUUeT9qI?si=oqfCX6-QpXsfBacH>)
- Hybrid Workshop Series on Climate Change and Simulation of its Scenarios Using En-ROADS Tools (III); Practice on Smart City (Convener/Moderator and one of the two Presenters: Farhad Bolouri – 03 November 2023) (<https://www.youtube.com/watch?v=7UilUxQdTfs>)
- Speech at SDG NUGGET HOUR / 8th anniversary of the United Nations Sustainable Development Goals celebration - AlphaZULU Advocates - about SDG 14 (25 September 2023) (https://fb.watch/nhJ3t_zOZh/)
- Panelist at the "International Panel from YOUNGO's Working Group on Climate, Peace and Security" panel, (The Local Youth Conference on Climate Change "LCOY Cyprus 2023", Cyprus, 26-27 August, 2023)
- Speech at SDG NUGGET HOUR - AlphaZULU Advocates - about SDG 12 (25 August 2023) (https://fb.watch/nfXboXiNe_/)
- Speech at SDG NUGGET HOUR - AlphaZULU Advocates - about SDG 11 (25 June 2023) (<https://fb.watch/nfXoikMowyl/>)
- Hybrid workshop series on Sustainable Development Goals (SDGs) with emphasis on three Pillars (II); Practice on the university campus (Convener/Moderator and one of the four Presenters: Farhad Bolouri - 24 May 2023) (<https://youtu.be/kiqxxPudHAc>)

- Hybrid workshop series on climate change and simulation of its scenarios using En-ROADS tools (II); From theory to practice (Convener/Moderator and one of the two Presenters: Farhad Bolouri - 10 May 2023) (<https://youtu.be/GLgScoOC2Xc>)
- Speech at SDG NUGGET HOUR - AlphaZULU Advocates - about SDG 14 (25 April 2023) (<https://fb.watch/nfX32bSUAe/>)
- Speech at the UN 2023 Water Conference, in the virtual side event, W46 "Global Women and the Facets of Water" - Representatives of AlphaZULU Advocates (March 23, 2023) (https://www.canva.com/design/DAFeC_TseP4/1YiFO94aiU-5Pq8P_JF8jA/watch)
- Organizing and Advisory Board, Technical Committee and Moderator of the paper presentation session; Third International Conference On "Cyprus Issue: Environmental Challenges And Energy Security" - ECES 2022 (21-23 December 2022 – Near East University / Online)
- Hybrid workshop on Sustainable Development Goals (SDGs) with emphasis on three Pillars (Convener/Moderator and one of the four Presenters: Farhad Bolouri - 06 December 2022) (<https://youtu.be/eZ2svnPFdnc>)
- Hybrid workshop on climate change and simulation of its scenarios using En-ROADS tools (Convener/Moderator and one of the two Presenters: Farhad Bolouri - 22 November 2022) (<https://youtu.be/jHUbG5DKQrU>)
- Invitation to "the 17th United Nations climate change Conference of Youth 17 (COY 17) - Under the presidency of the Conference of Parties (COP27)" as a Delegate of Turkey (2-4 November 2022 - Sharm Elsheikh, Egypt)
- Speech at SDG NUGGET HOUR - AlphaZULU Advocates - about SDG 17 (25 October 22) (<https://fb.watch/gnHsenPX4n/>)
- Invitation and participation in the Stockholm+ 50 High Level Conference - Representatives of AlphaZULU Advocates (2-3 June 2022; Stockholm – Sweden)
- As a member of Technical Committee in 5th International Conference on Natural Resources and Sustainable Environmental Management 2021 (held by: Faculty of Civil and Environmental Engineering; NEU, November 2021)
- Speech at SDG NUGGET HOUR - AlphaZULU Advocates - about SDG 14 (25 October 2021) (<https://fb.watch/nfWuBSjI6x/>)
- Online course "Application of Vensim Software in a System Dynamics for Water Resources Management" (for "Regional Water Company of East Azarbaijan" for 30 hours, July 2021)
- Speech at SDG NUGGET HOUR - AlphaZULU Advocates - about SDG 13 (25 July 2021) (<https://fb.watch/nfWkIXDgFx/>)
- Online workshop on climate change and simulation of its scenarios using En-ROADS tools (Presenter: Farhad Bolouri; Head of the Education Committee of the Environmental Society – University of Tabriz; April 2020)
- UN75 Global Peace Inter-Generation Dialogue in Iran (Convener/Moderator: Farhad Bolouri; October 2020)
- Panel discussion on "Applying the Precautionary Principle and Principle of Information to Achieve the Right to Clean Air – October 2020" (held by: TERRE Policy Centre)
- Panel discussion on "An Overview of the Clean Air Act in Action – November 2020" (held by: TERRE Policy Centre)
- Presentation in Panel discussion on "Roots of and Solution to Enforcing the Clean Air Act – December 2020" (held by: TERRE Policy Centre)
- As a member of Technical Committee in Challenges and Engineering and Management Solutions of Urmia Lake Seminar (held by: Azarbaijan Shahid Madani University; May 2017)

10. Fellowships and Awards

- Selected as one of 22 Fellows among 4955 candidates in Anant Fellowship for Climate Action in Anant National University (2022)
- Selected as Faculty Member Training Program (Öğretim Üyesi Yetiştirme Programı (ÖYP)) and Full Funded student in Near East University (2022)
- Selected as one of the 100 young innovators of all over the world for Local Pathways Fellow by UN Sustainable Development Solutions Network Youth Initiative (SDSN Youth) (2022)
- Awarded a PhD Scholarship in Near East University (2021)
- 1st place in "Ideation event Implementation of innovative projects on national responsibility to tackle climate change with the approach of solutions based on indigenous nature and knowledge" hold by Iran Environmental Protection Organization and UNEP (2021)
- Top Student (1st Ranked) between the students entered in the same year in the M.Sc. Environmental Engineering program and being a member of Talented Students support group at the University of Tabriz (2020)
- Accepted from the M.Sc. program through the Talented Students' Quota of the University of Tabriz (Because of Bachelor ranking and resume) (2018)
- 3rd Ranked between the students entered in the same year in the B.Sc. Civil Engineering program at the Azarbaijan Shahid Madani University (2018)

11. Experiences

- **Country Director and Chief Sustainability Advocate for Türkiye:** AlphaZULU Advocates (October 2023 – Present)
- **Fellow and Teaching Assistant:** Anant National University (Dec 2022 – Dec 2023)
- **International Journal of Water Resources Engineering:** Bronze member
- **Local Pathways Fellow:** UN Sustainable Development Solutions Network Youth (UN-SDSN) (Jan – Dec 2022)
- **Researcher:** Youth for Climate Refugees (Nov 2022 – Present)
- **Committee Volunteer:** Women in Cleantech and Sustainability (Mar 2022 – Present)
- **Member of the Youth Action Coalition (YAK):** Forced To Flee; Climate Change Pillar (Dec 2021 - Present)
- **Doctoral Research Assistant and Teaching Assistant:** Teaching and Advisership (for more than 50 international students of undergraduate of Civil Engineering); Near East University (Oct 2021 – Present)
- **Ambassador – Volunteer:** IOCS, International Ocean-Climate School (Mar 2021 - Present)
- **Ambassador:** Climate Interactive En-ROADs (May 2020- Present)
- **Volunteer:** Canadian Institute for International Law Expertise (April 2021 - Present)
- **Researcher:** Institute of the Environment University of Tabriz (Oct 2018 - Present)
- **Head of the Education Committee** of the Environmental Society – University of Tabriz (Dec2018 – Dec2020)

12. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course
2021-2022	Fall	-
	Spring	TCE 372: Hydromechanics (in Turkish)
		ENV 374: Air pollution Control (in English)
	Summer	CIV 374: Hydrology in Engineering (in English)

2022-2023	Fall	ENV 431: Waste Water Treatment Plant Design (in English)
	Spring	ENV 374: Air pollution Control (in English)
	Summer	ENV 481: Environmental Modelling Principles (in English)