Baran Saghafi

Urban Planning and Management Researcher

Department of Urban Planning | College of Fine Arts |
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ABOUT

As a graduate in Urban Development Management from the University of Tehran, I am passionate about exploring the intersection of urban planning and environmental sustainability. In my role as a teaching assistant at Tehran University, I have leveraged my expertise in both quantitative and qualitative methodologies to support academic growth and enhance the learning experience. Proficient in essential software tools such as GIS Pro and R, I am committed to applying innovative solutions to urban challenges. My strong interest in environmental issues drives me to actively engage with pressing concerns and contribute to sustainable urban development initiatives.

EDUCATION

Master's   **Sep 2022 - Feb 2025**
University of Tehran, *Iran*
Urban Development Management
GPA: 18.85/20 (4 of 4) - Thesis grade: Very Good
Thesis: Exploring the decision-making process in Iran's urban management and its long-term consequences according to the principles of environmental justice. Case study: Miankale Petrochemical Project
Adviser: Neda Moayerian

Bachelor's   **Sep 2018 - Aug 2022**
Pars University of Architecture and Art, *Iran*
Urban planning
GPA: 18.60/20 (3.89 of 4), **Thesis grade: 20/20**
Thesis: Crisis management and resilience of the city during the epidemic, the studied disease: Covid-19
Adviser: Alireza Ghahari

WORK EXPERIENCE

Teaching Assistant– *University of Tehran*   **Sep 2024- Present**

- During the current academic year, I have served as a teaching assistant to Dr. Mosleh for both graduate and undergraduate urbanism students.
  - Coordinated and invigilated examinations, graded exams, and assessed final projects.
  - Evaluated assignments and provided feedback to enhance student learning.
  - Facilitated classroom discussions and promoted student engagement.
  - Developed supplementary materials to support diverse learning styles.
  - Offered one-on-one academic support to students.
  - Organized and supervised field trips to complement classroom learning.

Facilitator- *Consulting Engineers Co.Sabz andish payesh (SAP)*   **Mar 2024 – May 2024**

- Community-Led engagement initiatives for local development projects.
- Collaborated with government and organizations on development efforts.
- Analyzed zoning regulations and demographic data for planning.
  - Field reaserch about the changing in landuse and neighborhood needs
  - Update landuse and roads GIS data of the neighborhood

Teaching Assistant- *Pars University of Architecture and Art*   **Dec 2019 – Aug 2022**
- Managing agenda of undergraduate student (Urbanism students) research program in different subjects
  - Such as: all workshops, urban planning, urban designed, regional planning, Research Methodology and etc.
- Grading Class assignments
- Led 1 class in different courses (42 students)

SERVICE ACTIVITY

Member of students' scientific association of urban management – *University of Tehran*

Oct 2022 – Aug 2024

- Assist in the coordinatation of community outreach programs aimed at raising awareness of urban issues and the importance of sustainable future.
- Collaboration with faculty members about the recent problems of urbanism and urban management.
- Participating in organizing and promoting academic events and workshops.

PUBLICATIONS

1. "Review of Urban HSE and Crisis Management: Creating Resilient Green Cities in the Age of Pandemics", **B. Saghafi**, F. Abbasi, First national conference of urban environment, University of Tehran. Poster. https://civilica.com/doc/2129324/
2. "Analysis of permeable surfaces and impermeable surfaces(Case study: District 7 of Tehran)", F. Abbasi, **B. Saghafi,** Sh. Faryadi, First national conference of urban environment, University of Tehran., Oral. https://civilica.com/doc/2192147/
3. "Crisis management and resilience of the city during the epidemic, the studied disease: Covid-19," **B. Saghafi, (**in preparation)
4. "Exploring the decision-making process in Iran's urban management and its long-term consequences according to the principles of environmental justice. Case study: Miankale Petrochemical Project," **B. Saghafi**, N. Moayerian, **(**in preparation)
5. "Feasibility Study of Utilizing Solar Energy Production Systems in Urban Public Spaces to Generate Sustainable Revenue for Municipalities (Case Study: District 6 of Tehran) " **B. Saghafi**, P. Sahraee, **(**in preparation)
6. "Designing Agrivoltaic Solar Energy Networks in Synergy with Urban Infrastructure; Case Study: Underutilized Spaces in the South of Karaj" P. Sahraee, **B. Saghafi**, **(**in preparation)

COURES WORKS

- **Cartography-** *ESRI*   **May – June 2024**
- **R Programming in Urban Planning and Social Sciences-***University of Tehran*   **April 2024**
- **WebGIS-** *ESRI*   **April 2024**
- **Arc CityEngine-** *Shahid Beheshti University*   **June - Sep 2025**
- **Python programming in GIS-** *University of Tehran*   **Aug 2025**

TECHNICAL SKILLS

- ArcGIS/ArcGIS pro/ QGIS/ WebGIS
- R
- Python-vsCode (libraries such as Arcby,

Numpy, Geopandas)
- MaxQDA
- VOS viewer

- MGWR
- Microsoft Office
- Microsoft project
- Photoshop
- CityEngine
- Super Decision
- SPSS

- AutoCAD
- Revit
- Fragstats
- ENVI
- InVEST

PERSONAL SKILLs

- Fast- learner
- Organization and Time Management under pressure
- Communication and Interpersonal skills
- System Thinking
- Strong Team Working skills

- Commonly understood Writing skills
- Have experience in both <u>Quantitive</u> (AHP-ANP, Spatial Regression, Spatial analysis, R and Python) and <u>Qualitive</u> method (Content Analysis, Thematic Analysis, semi-structured Interview and Documentary Analysis)

ACTIVITIES AND HONOR

- Award at the elite student in B.Sc. degree at Pars University of Architecture and Art (**2018-2022**)
- Worked as a representative for undergraduate urbanism students, helping to organize events and activities (PU) (**2019-2022**)
- Ranked as The Top 5 student in B.Sc. degree at Pars University of Architecture and Art (**2022**)
- Worked as a member of scientific association of urban management at University of Tehran (UT) (**2022-2024**)
- Worked as TA for graduate and undergraduate students at University of Tehran (UT) (**2024**)

LANGUAGE

- **English** (Full Professional Proficiency, IELTS 6.5)

- **Persian** (Native Language)
- **Japanese** (Basic Level)

REFERENCE

⇒ *Dr. Neda Moayerian*
Assistant Professor of Urban Planning, University of Tehran
mail: nedamoayerian@ut.ac.ir

⇒ *Dr. Leila Mosleh*
Assistant Professor of Urban Planning, University of Tehran
mail: leilamosleh@gmail.com

⇒ *Dr. Mojgan Taheri Tafti*
Assistant Professor of Urban Planning, University of Tehran
mail: m.tafti@ut.ac.ir

⇒ *Dr. Farshad Nourian*
Associate Professor (Dean) of Urban Planning, University of Tehran
mail: fnoorian@ut.ac.ir

⇒ *Mahdi Suleimany*
Researcher and Mentor of Urban Planning, University of Tehran
mail: mi.suleimany@ut.ac.ir