

Elnaz Ghasemi (Qasemi)

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Education

- 2017-19 **Master of Art in Architecture**, *Tarbiat Modares University, Tehran, Iran* (GPA 17.0).
2012-16 **Bachelor in Architecture**, *University of Kurdistan, Sanandaj, Iran*, (GPA 17.0).

Research experience

- 2017-19 **(MA Thesis)**, *Hybrid Bio-Envelope of Integrated Building for Water Transportation; Case: Design of Filband Eco-House.*
Under Prof. M. Mahdavinejad
 - Study on Structural Behaviors and Facade Systems inspired by Bio-Envelopes
 - Experiment on 3D printed bio-envelopes to study water transportation system in plants
 - Design efficient bio-inspired facade systems for structures

2018 **(MA)**, *Study on behaviour of structure in outer shell for tall buildings.*
Under Prof. A. Zarkesh
2015-16 **(BA Thesis)**, *Design site-compatible urban community center.*
Under Prof. A. Farsi
 - Design with focus on densely populated urban neighbourhoods
 - Consistent with Kevin Lynch's Theory on edge properties for architecture design

Publications

- 2020 ○ Qasemi, E., Mahdavinejad, M., Aliabadi, M. and Zarkesh, A., 2020. Leaf Venation Patterns as a Model for **Bioinspired fog harvesting**. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, p.125170.
- 2019- ○ Qasemi, E., 2019, Chapter:"Institute of Plant Protection", *Contemporary buildings in Iran Designed by German Architects* (in progress)
- 2018 ○ Ghasemi(Qasemi) and E., Zarkesh, A., 2018. A case study on structural **behavior of structures in outer shell** of tall buildings, *International conference on civil engineering , architecture & urban management*

Honors and Achievements

- 2019 Recipient of German Government's **DAAD** Study Trip scholarship on the Topic of: Integrated Approaches to Modern Industrial Heritage Buildings
- 2012 Ranked among top 1% students in National Universities Entrance Exam, Iran
- 2017 Ranked among top 0.1% students in National Architecture Graduate School Entrance Exam, Iran
- 2016 Best research at the research week at Art and Architecture department, University of Kurdistan
- 2017 Certification For Online Autodesk BPAC Course

Freelance Projects

- 2017-20 Facade and Interior Design of Urban Residential in 5 floors, Qorveh, Kordestan, Iran

Technical Skills

- P. Lang Python

Arch. Autocad(2D and 3D), Autodesk 3Dmax, SketchUp, V-ray, Rhino, Grasshopper, Revit, Ecotect CAD

Graphics Adobe Photoshop, Adobe InDesign, Adobe Lightroom

Volunteer and Community

2017 Student organizing committee member of the International Conference of Urban Slums; Toward Upgrading and Sustainable Urban Regeneration, University of Kurdistan, Sanandaj, Iran

2017 Member of the TMU Architecture Association

Languages

English Fluent

Persian Mother Tongue

Kurdish Mother Tongue

Turkish Mother Tongue