

CONTACT _____

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- Tehran, Iran

EDUCATION-

2022

• Master of Science – Energy and Architecture

University Of Hakim Sabzevari, Sabzevar, Iran

Thesis title: "Choosing the Optimal Shading in the Life Cycle of an Educational Building Based on Three Factors of Energy Consumption, Greenhouse Gas Emissions and Cost, Case Study: Sabzevar"

Supervisor: Dr. Hassan Estaji

2018

• Bachelor of Science – Architecture

Semnan university, Semnan, Iran

Final project: "The Center of Children Familiarity with Nature" Supervisor: Hoda Alavi Tabari

SKILLS _____

Architectural Design

	100%
Graphical Design	85%
Sustainable Design	85%
Energy Efficiency	95%
Light and Energy Modeling	95%
Life Cycle Assessment (LCA)	90%
Circular Economy (CE)	60%
Energy Optimization	85%

Fahimeh Dokhanian

building environmental sustainability and LCA analyst

Interested and specialized in research work in the field of sustainability, life cycle assessment (LCA), life cycle cost (LCC), life cycle energy assessment (LCE), environmental performance, and energy efficiency with a focus on modeling various systems: building materials, building components, and passive strategies. Specialized in bioclimatic design and environmentally responsive actions, with a focus on simulation and optimization of building energy. Interested in collaborative work and cooperation with organizations in the field of energy optimization and the circular economy (CE) domain.

EXPERIENCE _____

2017 - 2019

Freelance Architect

- While continuing my graduation program at the university, I worked as a freelancer in some companies. My biggest contribution at that time was to a small company namely Azhand Co.
- After gaining experience as a freelancer, I tried my fortune to apply for a job in an architecture company as a junior architect. I gained many experiences there, particularly in the area of interior and exterior design and city planning.

2019

Residential design using passive systems and energy efficiency in Semnan

2020

Participation in Zero Energy California library design competition

2020

Participation in the creative school design competition in the context of sustainable culture and climate

2021

University project

 Redesign of neighborhood in Tabriz city, with the approach of improving energy efficiency and providing thermal comfort according to the climate.

2022

University project

• 3E evaluation(Energy, Environment and Economy) and optimization of external walls of secondary school in Sabzevar during life cycle.

2022

Department of Hakim Sabzevari University

 designing the shell of the administrative building of Hakim Sabzevari university Culture House with the approach of reducing energy consumption.

2023

Training course

• Teaching a comprehensive course on climate analysis in collaboration with UpGreengrade Group

2023

Iranian Construction Engineering Organization

 Iranian Construction Engineering Organization certification in two fields: architectural design and architectural supervision

COURSES

2022

Regenerative Architectural

2021

Optimizing energy and light in the building using Grasshopper pugins

2021

Assessing the life cycle and carbon emission of building using One-click LCA

2021

Assessing the life cycle and work with Open-LCA software-Amirkabir university

2021

Building energy simulation using Ladybug -tools plugin

2021

Python programming language in the Grasshopper

LANGUAGE —

Persian(Native)

100%

70%

English

2024

Life Cycle Assessment(LCA) Course

Collaboration with UpgreenGrade Team, specializing in the fields of energy analysis and building lighting.

In this course, comprehensive concepts and foundations of lifecycle assessment, frameworks, standards, and methodologies have been taught.

2023

Comprehensive Climate Analysis Course

Collaboration with UpgreenGrade Team

In this course, all topics related to climate, including climatic factors, climate data and files, climate change analysis, and optimization, are taught in an online platform.

2022

Comprehensive site Analysis Course

Collaboration with UpgreenGrade Team

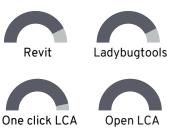
In this online course, topics such as accessibility, energy efficiency, solar energy, shading analysis, wind, topography, and optimization using tools like Depth map, Ladybug Tools, and online websites are taught.

PUBLICATIONS

- Shading design optimization in a semi-arid region: Considering energy consumption, greenhouse gas emissions, and cost., https://doi.org/10.1016/j.jclepro.2023.139293.
- · Comparative life cycle assessment of different external wall of rural houses in hot-arid climate (under review)
- Geospatial Distribution of Qanats in Middle Eastern Countries: Potential for Sustainable Groundwater System

https://doi.org/10.1016/j.jaridenv.2024.105170.

SOFTWARE SKILLS -











Design builder



Illustrator







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TEACHING EXPERIENCE —