PERSONAL INFORMATION

Fatima Yahya Belok

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LinkedIn profile :
https://www.linkedin.com/in/fatima-belok-5902b2178
Instagram Portfolio:
@f.y.belok-architect

Sex Female | Date of birth 5/1/1992 | Nationality Lebanese

Assistant Professor at Faculty of Architecture-Design and Built Environment, Beirut Arab University, Lebanon

WORK EXPERIENCE

Field: Architecture | Parametric Design | Digital Fabrication | Furniture Design

Junior Ambassador (MENA region) for the Jacques Rougerie Foundation (for 2026)

WORK EXPERIENCE

- 2020 till Now
Assistant Professor at Faculty of Architecture-Design and Built Environment, Beirut Arab University, Tripoli, Lebanon

- 2015 → 2019
-Teaching Assistant for Design, building construction, project programing courses, and research & programming courses at Faculty of Architecture-Design and Built Environment, Beirut Arab University, Tripoli, Lebanon.

-2016
- Assistant in Parametric and Kinetic workshop in ALGORITHM and SAPIENZA University of Rome.

-2014
- Training as model maker in local engineering office (JK Eng.and Contracting office) located in Tripoli, under the supervision of architect Engineer Joe Khabbaz.

-2014
- Training as designer (office works) in a local engineering office, located in Tripoli, under the supervision of Architect Engineer Tarek Soufi.

EDUCATION AND TRAINING

-2020

- Faculty of Architecture-Design and Built Environment, Beirut Arab University, Tripoli, Lebanon.

-Ph.D. Degree with Distinction

Topic: " Achieving visual comfort in university educational spaces: A design framework for responsive kinetic skin"

-2016

- Faculty of Architecture-Design and Built Environment, Beirut Arab University, Tripoli, Lebanon.
-Master of Architectural engineering Degree
-Ranking: First place (GPA:3.95)

-2010 → 2015

- Faculty of Architecture-Design and Built Environment, Beirut Arab University, Tripoli, Lebanon
- Bachelor of Architectural Engineering Degree
-Ranking: 2nd place

-1995 → 2010

- College National Orthodox (Tripoli, Lebanon)

- Lebanese Baccalaureate (General Sciences/ S.G.)

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PERSONAL SKILLS

Mother tongue(s): Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Enter level	Enter level	Enter level	Enter level	Enter level
	V.Good				
French	Enter level	Enter level	Enter level	Enter level	Enter level
	Good				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

COMMUNICATION SKILLS

▪ Very good communication and presentation skills, demonstrated through participating in and winning several international competitions, presenting research and design work publicly, and taking part in conferences, interviews, and television appearances.

Organisational / managerial skills

▪ Strong organizational and coordination skills developed through leading and managing national and international workshops in collaboration with universities and professional

institutions, including the Order of Engineers and Architects. Experienced in planning, structuring, and delivering academic and professional design workshops, supervising students' work, and coordinating multi-phase projects under strict deadlines.

Job-related skills

- Teamwork: I have worked in various types of teams from research teams to architectural office working design team

COMPUTER SKILLS

- **Digital Fabrication & Parametric Design tools and software:** Advanced experience in Rhino (Rhinoceros 3D) and Grasshopper for parametric and computational design workflows, with strong integration into digital fabrication processes and CNC-based furniture production.

N.B: (first learned through a workshop at La Sapienza University in Rome, where I also worked as an assistant, later developing advanced skills in parametric and computational design workflows.)

- **AI-based tools** for architectural visualization and style exploration.
- **Architectural Software & Design Tools:** Excellent proficiency in **AutoCAD , SketchUp, and Adobe Photoshop** for architectural drafting, modelling, and visualization.
- **Office & Documentation Tools**: Proficient in Microsoft Office Suite (Word, PowerPoint, Excel) for academic, professional, and presentation purposes

Other skills

- Artistic skills, such as sketching, playing guitar and photography

PUBLICATIONS & CONFERENCES

-2024

Publication in Conference paper: Energy Performance Improvement in Lebanese Family House
Belok, F., Sabsaby, Y. (2024). In: He, B., Jupesta, J., Cirella, G.T., Pignatta, G. (eds) Urban Climate Change Adaptation. CCES 2022–2023, Advances in Science, Technology & Innovation. Springer, Cham.
https://doi.org/10.1007/978-3-031-65088-8_15
Authors and Affiliations: Faculty of Architecture, Design and Built Environment, Beirut Arab University, Beirut, Lebanon.
Fatima Belok & Yathreb Sabsaby.
Corresponding author: Fatima Belok.
Indexed in Scopus & Springer.

-2023

Publication in Architecture and Planning Journal (APJ) & ASCAAD 2022 Conference / ISSN: 2789-8547 Volume 28 Issue 3 ASCAAD 2022 - Architecture in the Age of the Metaverse – Opportunities and Potentials I (Article 13)
Kinetic Facades for Achieving Visual Comfort: High Performance Computing.
Fatima Belok, Ibtehal El-Bastawissi. Mouhamad Assem Hanafi, Mustafa Rabea

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-2019
Publication in Environmental Science and Sustainable Development (ESSD)/ISSN (print:2357-0849, online:2357-0857)
Kinetic Facades for Achieving Visual Comfort: High Performance Computing.
Fatima Belok, Ibtehal El-Bastawissi. Mouhamad Assem Hanafi, Mustafa Rabea.

-2019
Publication in a journal: Architectural & Planning Journal (APJ), in Lebanon, Beirut
Acheiving Visual Comfort in Universities Educational Spaces : A Design Framework for Kinetic Façades
Fatima Belok, Ibtehal El-Bastawissi. Mouhamad Assem Hanafi, Mustafa Rabea.

-2018
Participation and paper publication in a conference called: Urban Health & Wellbeing Building Collaborative Intelligence for Better Lives in Cities (UHWB18), in Lebanon, Debbiyeh.
Recommendations for designing healthier Kids' gardens: Toward better mental and physical health: case study in Tripoli, Lebanon.
Fatima Belok, Nabil Mohareb, Mustafa Rabea.

-2014
Participating in editing scientific paper about daylight performance in different location and climate, under the supervision of Dr Hesham Eissa.

Honours and awards

-2024
Winning 2ND Place, internationally
INTERNATIONAL COMPETITION DESIGN OF INNOVATE FURNITURE 03 FOR NEGLECTED COMMUNITIES 2023
The concept of the competition was to design furniture, which is ergonomically sound, cost effective and environmentally friendly in neglected communities.
Thus, the main concept of the design was to mix simple boxes together having standards dimensions 90cm*90cm*45cm that could be assembled easily by the users.
These assembling is done based on the function needed
www.kethamsatelier.com
www.thinkinghandngo.com

-2018
Top 5/ Winning in an International competition in the second edition of MIT Enterprise Forum Pan Arab "Innovate for Refugees (IFR)"
This international completion was designed to attract the best tech-driven solutions addressing the challenges faced by refugees all over the world. Almost 1800 projects have participated, and just 5 projects have win. Our project was" Hope in Sand and Pipes", and was one of those Top 5 winner. The idea was to design a transitional and sustainable shelter (a prototype is already built/scale1/1).
For more information about the competition you could visit the website:
https://mitefarab.org/en/stories/story/IFRFinalEvent
JORDAN

Honours and awards

- 2016
"International LafrageHolcim Awards for Sustainable Construction"
- 2014
Third Place/ "Arabic Scout City" for Mashha Municipality
It is a competition for designing and Arabic Scout city in Mashha,Akkar. Lebanon (Undergrade)
- 2014
Shortlisted for : Design of Tripoli International Fair Vision Lebanon (undegrade)

Workshops

-2026
Organized a Winter Workshop (January) titled:
Digital Fabrication Meets Heritage: Mamluk Patterns in Contemporary Styles
حين يلتقي التصنيع الرقمي بالتراث: أنماط مملوكية بأسلوب معاصر
Conducted in collaboration with the OLD TRIPOLI Foundation within the DARB AL MAMALIK project (Cairo–Tripoli), hosted at BAU Tripoli Campus. Its event is under the patronage of Minister of Culture Ghassan Salamé.

-2023
Instructor
Parametric workshop using Rhino and Grasshopper 3D (9 workshops) (in coordination with universities and OEA Order Of Enginnering and Architects)
International online/hybrid workshops, based on giving tutorials concerning parametric architecture to design buildings, furniture and facades, using plugins such as lunchbox and weaverbird.

- 2022
Instructor
ASCAAD WORKSHOP : INTERACTIVE DIGITAL PARAMETRIC PATTERNS: Rhino and Grasshopper 3D
Beirut Arab University-Beirut/Online
This workshop focuses on Grasshopper is a visual programming language and environment that runs within the Rhinoceros 3D , Firefly as plug in to have input (sound), which will be converted to an output shown on the building facades.

Workshops

-2019
Participated in **MOST School** on: Youth civic engagement (YCE) and public policies for urban inclusive governance through cultural heritage", in Lebanon.
Engaging Youth in the Decision-Making Process.
Beirut Arab University-Beirut campus & OLA center –Saida-Lebanon
This workshop focuses mainly on the importance of engaging youth in the decision-making process.

- 2017
Participated
"PARAMETRIC WORKSHOP"- Summer Workshop
Beirut Arab University-Debbiyeh campus in Fabrication Lab- Lebanon
The main focus of this workshop was on using machines in the Fabrication Lab such as Robot Arm, CNC machine, Laser cut Machines and others, Also this workshop trains on building digital and physical parametric models.

- 2016
Participated
"KINETIC RESPONSIVE ARCHITECTURE"-Workshop
Beirut Arab University-Tripoli campus- Lebanon
This workshop focuses on using Rhino software, and on building digital and physical kinetic models.

- 2016
Assistant instructor
"Algorithm summer school, At La Sapienza University
Roma, Italy.

Funding Project

-2017 Till 2018
Part of this project
Elmina- Our city our way
Safadi Cultural Foundation
Beirut Arab University/ Municipality of El Mina
“Our City, Our Way” aims to empower 30 young people from the city of El Mina by enhancing their skills in urban design, cartography, model making, and proposal development. The initiative seeks to enable these trained youths to actively lead the design of a landscape project inspired by the principles of a child-friendly city. The project will be implemented within a selected neighborhood in El Mina, fostering community engagement, creativity, and sustainable urban improvement.

Professional Engagement

-2026
Junior Ambassador (MENA region) for the Jacques Rougerie Foundation. This foundation is dedicated to promoting innovative, sustainable, and bio-inspired architectural projects, particularly those focused on the sea and space, while encouraging youth engagement at an international level and supporting visionary ideas addressing the major challenges of our time.

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