

Asmaa Barakat

Assistant Professor of Architecture and Environmental Design

Alexandria, Egypt | +201282949361 | archasmaa53@gmail.com

Personal Information

Name: Asmaa Mohammed Moustafa Barakat.

Address: 6th of October City, El-Agamy, Alexandria, Egypt.

Mobile: +201282949361 / +201063408998.

Date of birth: February 15, 1991.

Marital status: Married.

E-mails: archasmaa53@gmail.com \ asmaa.barakat@alexu.edu.eg

Academic Profiles

Google Scholar: <https://scholar.google.com/citations?user=Ozjvo8QAAAAJ&hl=en&oi=ao>

Research Gate: <https://www.researchgate.net/profile/Asmaa-Barakat-7>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57225338743>

ORCID: <https://orcid.org/0000-0001-8935-6721>

Education

PH.D. (Doctor of Philosophy in Architectural Engineering)

2023

Faculty of Engineering, Alexandria University/Egypt.

Topic: "An Integrated Approach to User-Centered Design"

CGPA of preparatory courses: 3.66

Supervisory committee: Prof. Hany Ayad (Alexandria University).

Prof. Zeyad El-Sayad (Alexandria University).

M.SC. (Master of Science in Architectural Engineering)

2017

Faculty of Engineering / Alexandria University /Egypt.

Topic: "Bioclimatic Approach to Urban Design Using Advanced Simulation Methods in Hot Arid Climate".

CGPA of preparatory courses: 3.5

Supervisory committee: Prof. Hany Ayad (Alexandria University).

Prof. Zeyad El-Sayad (Alexandria University).

B.SC. (Bachelor of Architectural Engineering)

2013

Faculty of Engineering / Alexandria University /Egypt.

Minor: Housing section.

Cumulative Grade: Very Good (77.95%).

Rank: 6TH/ 54 (sixth on students of the housing section).

Graduation project: Tourist village to treat psoriasis patients.

Grade Graduation project: Excellent.

High School Degree (General Certificate of Secondary School)

2008.

Grade: 96.8 % (1st on students at the school).

Publications

Urban design in favor of human thermal comfort for hot arid climate using advanced simulation methods. Alexandria Engineering Journal, 56(4). Available at: <https://doi.org/10.1016/j.aej.2017.04.008> (Article \ Q1 journal\ Cited by 64).

An integrated approach to user-centered design: mobile brain/heart imaging in virtual reality. WIT Transactions on The Built Environment, Volume 210, Pages 201 – 214, 20 September 2022, 9th International Conference on Harmonisation between Architecture and Nature. Available at: <https://www.witpress.com/elibrary/wit-transactions-on-the-built-environment/210/38336> (Conference Paper).

Academic Experience

King Marriott Academy, Ministry of Higher Education and Scientific Research | Assistant Professor, Architecture Department

2023 - Now

Working as Assistant Professor in the following subjects:

- Executive Design (2)
- Building Technology (3)
- Architectural Design (2)
- Architectural Design (3)
- Architectural Design (4)
- Graduation Project (1)
- Graduation Project (2)
- Environmental Design
- Computer Application (2)

Behira Higher Institute of Engineering and Technology, Ministry of Higher Education and Scientific Research | Assistant Lecturer, Architecture Department.

2018 - 2023

Working as Assistant Lecturer in the following subjects:

- Architectural Design (1)
- Architectural Design (2)
- Architectural Design (3)
- Architectural Design (4)
- Architectural Design (5)

- Interior Design
- Building Technology (1)
- Building Technology (2)
- Building Technology (3)
- Executive Design (1)
- Executive Design (2)
- Executive Design (3)
- Computer Aided Drafting
- Electrical Installations in Buildings
- Environmental & Sanitary Engineering
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Arab Academy for Science Technology & Maritime Transport | Assistant Lecturer, Civil Department **2017 – 2018**

Working as an Assistant Lecturer in the subject of Computer application– Revit.

Workshops & Course

- **Sustainability on BIM using Autodesk Revit and Insigh 360**, online workshop on Udemy **2021**
- **Advanced Revit Architecture 2020**, online 20-hours course on Udemy **2020**
- **Training of Trainers (TOT)**, 35 training hours, at Arab Union for Leadership Development (AULD), Cairo **2017**
- **IELTS Preparation course**, 18 hours at British Council, Kufr Abdo, Alexandria **2016**
- **TOFEL Preparation course**, 24 hours at Faculty of Arts, Alexandria University **2015**
- **Lumion**, 24 hours at Leaders Center, Alexandria **2013**
- **Revit Architecture 2011**, 36 hours at Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria **2011**
- **3Ds Max 2010**, 64 hours at Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria **2010**
- **Adobe Photoshop**, 24 hours at Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria **2010**
- **International Computer Driving License (ICDL)**, 36 hours at Community Service Center, Alexandria University **2009**

Personal Skills

- Training Proficiency: **Training of Trainers (TOT)** on 20/9/2019
- Language Proficiencies:
 - Arabic: Mother tongue (fluently written and spoken)
 - English: Very good written and spoken
 - TOEFL** local on 21/2/2015
 - IELTS** on 14/1/2017 with band: 6.5