

Hala M. Raslan

PhD, Environmental PE, WELL AP, LEED AP,

Licensed PE of Environmental Engineering, NCEES, USA

Assistant Professor of Architecture and Environmental Science in MC Academy, Mansoura, Egypt

Personal Data:

- **Name:** Hala Mohamed Raslan **Date Of Birth :** Dec.21st 1976
- **Address:** Cairo- 17 Dr. Mohieldin Abdelhameid St. from Abbas El-Akkad St. - Nasr City.
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Scientific Degrees Obtained:

- **PhD in Architectural Engineering** (Applying Off-grid Utilities for Sustainable Architecture in Egypt), Al-Azhar University, April, 2017.
- **Master in Architectural Engineering:** (Enhancing the Islamic Method of Sustainability in the Architecture of the Future), Mansura University, May 2011.
- **2 years Diploma in Architectural Engineering**, Mansura University, faculty of Engineering, with score 80.75% August, 2005.
- **BSc. In Architectural Engineering**, Tanta University, Engineering Faculty, June, 1999.

International Certifications Obtained:

1. **Professional Engineering (PE) Exam**, Environmental discipline, **Pass**, National Council of Engineering and Surveying, NCEES. Held at American University in Sharjah, AUS. September 2022.
2. **Fundamental of Engineering (FE) Exam**, Environmental discipline, **Pass**, National Council of Engineering and Surveying, NCEES. Held at American University in Cairo, AUC.
3. **WELL AP** Accredited Professional exam, International Wellness Building Institute (**IWBI**), **pass**, score 182/200, July, 2018.
4. **LEED AP** Accredited Professional Exam, United States Green Building Council (**USGBC**), **pass**, score 181/200, April, 2018.
5. **LEED GA** Accredited Green Associate (GA) Exam, United States Green Building Council (**USGBC**), **pass**, score 188/200, July, 2017.
6. **GRE Exam** (Graduate Record Examination), score 148 in Quantitative Reasoning, 143 in Verbal Reasoning and 2.5 in Analytical Writing, organized by the American Educational Testing Service (**ETS**), held at Amideast Cairo, November, 2011
7. **International Toefl Exam** (IBT), organized by the American Educational Testing Service (**ETS**), **pass**, with score 104/120, December , 2011
8. **NCEES ABET Credential Compatibility**, **NCEES, ID: 14-122-61.**

Professions Practiced:

1. **Assistant Professor** of Architecture and Environmental Science in Mansoura College Academy for Engineering and Technology (MC) 2016 and still.
2. **Lecturer** in Architecture and Environmental Engineering in Beheira High Institute for Engineering and Technology (BHI) 2012 – 2013.
3. **Urban Planning Engineer** in Urban Planning Administration in Gharbeya Governorate Main Bureau, 2013-2016.
4. **Construction and Maintenance of Hospital Buildings Engineer** in Raslan Company for Medical Services, 1999-2021.

Papers, Competitions, and Conferences:

- "Reviving dead Land In Islam and how to use it in solving the problem of land expensiveness in Egypt" Mansoura Engineering Journal (MEJ), September 2010.
- "Modifying the Street Lighting Design of New Cities to Enhance the Health and Wellness of Inhabitants" a Paper published and presented orally in the "4th International conference of Chemical, Energy and Environmental Engineering, Japan University of Science and Technology, Alexandria, Egypt (ICEEE) July 2023.

- **“The Application of Well Rating System for Moisture Management to Control Covid19 Virus Inside Office Spaces”** a Paper presented orally in the “Third International Conference on Engineering, Science, and Technology (ICEST2021) February 2021.
- **" Emergency Architecture as an Active Approach for Homeless in COVID-19 Epidemic"** a Paper published in the MSA University Journal, Volume 1, Issue 2, June 2022.
- **"An Approach to Re-evaluating the Desert Urban Site of Matmata, Using WELL Rating System"** a Paper presented and published in the International Conference “The Path to City Resilience” organized by MSA university, Cairo, October 2021.
- **"Developing an Off-Grid Model for Power Supply and Wastewater Treatment in the 1.5 Million Feddan Project in Egypt"** a Paper presented orally in the International Conference on Renewable Energy (INCORE2016) organized by Zewail City for Science and Technology. February 2016.
- **"Developing an Off-Grid Model for Water and Wastewater Utilities in the 1.5 Million Feddan Project in Egypt"** a Paper accepted for an Oral Presentation in the Fifth International Conference on Water, Energy and Environment (ICWEE/5) to be held in the American University in Sharjah, February 28–March 2, 2017.
- **"Developing an Off-Grid Model for Utilities' Provision in the 1.5 Million Feddan Project in Egypt "** presented orally in the Second International Conference on Solar Energy Solutions for Electricity and Water Supply in Rural Areas held at the American University in Cairo, October, 2016.
- **"Applying Decentralized Utilities for Sustainable Urbanization in the Egyptian Desert"** a paper presented orally in the International Conference organized by the British University in Cairo BUE: "Sustainable Mega Projects", May, 2016.
- **"The Suitability of Onsite Utilities for Application in New Egyptian Cities (Northern Expansion in 6th October City as an Example)"** a paper published in the "First Arabic Ministerial Conference for Housing and Urban Development", Cairo December 2015.
- **"Sustainable Infrastructure for Isolated Houses in Sinai Peninsula"** a prize-winner project in the "Hope and Work" Competition held by the main Engineering Syndicate in Cairo, with participation of the British University in Cairo, August, 2015.
- **"Evaluating Central Electricity Grid System in Comparison with Decentralized Solar Panels for Residential Power Supply in Egypt"** a Paper published and presented orally in "Al-Azhar University's 13th Engineering Conference", December 2014.
- **"Impact of Central Sanitation Grid on Land Use and Urban Planning in Rural Egypt"** a paper published in al "Menoufeya Engineering Journal", January 2015.

Research and Teaching Field :

- Theories of Islamic Architecture
- History of Islamic Architecture
- Sustainable Architecture and Environmental Design
- Architecture Design (1,2,3,4,5)
- Hospitals Design and Health-Related Projects.
- Light and Acoustics Principles and Design.
- Graduation Project 1
- Graduation Project 2
- WELL Rating System.
- LEED Rating System.
- Environmental Foot print of Buildings on the Surrounding Environment.

Academic References:

- **Prof. Dr. EMAD El-Beltagy, PE**, , Professor of Civil Engineering in Mansoura University, Vice Dean of Mansoura Higher Institute of Engineering and Technology,, email: eelbelta@mans.edu.eg , mobile: 01004850586.
- **Prof. Dr. Mohamed Esmat El-Attar**, Professor of Architectural Engineering in the British University in Cairo (BUE), dr.mealattar@gmail.com, cell: 01001718660.
- **Prof. Dr. Mohamed Serag**, Professor of Architectural Engineering in Al-Azhar University, Cairo, cell: 01221061896.
- **Prof. Dr. Shafaq El-Wakil**, Professor of Architectural Engineering, Ain Shams University, Cairo, 01227472836.