

**CURRICULUM VITAE**  
**For an Environmental & Urban Planning Engineer**

**Personal Data:**

- **Name:** Hala Mohamed Raslan      **Date Of Birth :** Dec.21<sup>st</sup> 1976
- **Address 1:** Cairo- 17 Dr. Mohieldein Abdelhameid St. from Abbas El-Akkad St. - Nasr City.    **Address 2:** Tanta- Stadium Area – Dr. Raslan St. from Koleyat Al-Zeraa St. dr. Raslan Building – **Mobile:** 01228856831 - **E-mail:** hala\_raslan@yahoo.com



**Scientific Degrees Obtained:**

- Ongoing accomplishment of the PhD thesis: (**Applying Off-grid Utilities for Sustainable Architecture in Egypt**), under supervision of Prof. Mohamed Esmat El-Attar in the British University in Cairo and Dr. Hany Saad in Al-Azhar University. Expected for jurisdiction in March, 2016.
- **Masters 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, score 64.25%. June, 1999.

**International Exams Attended :**

- **Fe Exam** (Fundamentals of Engineering, Environmental Afternoon) at The American University in Cairo AUC, score 65.7%, April 2013.
- **GRE Exam** (Graduate Record Examination ) at Amideast, score 148 in Quantitative Reasoning, 143 in Verbal Reasoning and 2.5 in Analytical Writing, November, 2011
- **Toefl Exam** (IBT) with score 104/120, December , 2011
- **LEEDs Green Associate (GA) Exam,** scheduled for accomplishment in March, 2016.

**Professions Practiced :**

- **Urban Planning Engineer** in main Gharbeya Governorate Bureau, since July 31<sup>st</sup> 2013 and still.
- **Assistant Lecturer** in Architecture and Environmental Engineering in Beheira High Institute for Engineering and Technology (BHI) 2012- 2013.
- **Construction and Maintenance Engineer** in Raslan Company in Tanta (family owned business) since June, 1999 and still.

**Published Research Papers and Oral Presentations:**

- "Developing an Off-Grid Model for Power Supply and Wastewater Treatment in the 1.5 Million Feddan Project in Egypt" The International Conference on Renewable Energy (INCORE2016) held in Zewail City for Science and Technology. February 2016.
- "The Suitability of Onsite Utilities for Application in New Egyptian Cities (Northern Expansion in 6<sup>th</sup> October City as an Example)" The First Arabic Ministerial Conference for Housing and Urban Development, Cairo December 2015.
- "Evaluating Central Electricity Grid System in Comparison with Decentralized Solar Panels for Residential Power Supply in Egypt" Al-Azhar Engineering Journal, December 2014.
- "Impact of Central Sanitation Grid on Land Use and Urban Planning in Rural Egypt" Menoufeya Engineering Journal, January 2015.
- "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.

**Workshops Attended:**

- **LEED Green Associate Training Course,** Instructed by Dr. Shady Attia, October 2014.

**PhD Subject Summary:** The thesis discusses on-site renewable and sustainable off-grid utilities (water supply, wastewater treatment, power generation and cooking gas supply) and their suitability for application in different Egyptian regions according to many parameters like: soil properties, sun exposure, temperature and humidity, sky clearance, culture, water table and urban pattern. Conventional grid utilities in Egypt are evaluated using parameters of economy, efficiency, availability, sustainability, land use and impact on urban planning. Then the most common off-grid utilities are examined using the same parameters as well as their suitability for application in Egypt. Then, four application models are proposed for 4 different Egyptian societies: (rural, urban, slums & new settlements) to see how proposed technologies can help them solve their dominant utilities' problems. Finally, suggested modified plans and elevations for houses are introduced for architects and urban planners to help them apply new proposed technologies in their future work.

**Academic References:**

- **Prof. Dr. Ahmed Yehia Rashed,** Professor of Environmental Engineering in the British University in Cairo (BUE), [ahmedvrashed@yahoo.com](mailto:ahmedvrashed@yahoo.com)
- **Prof. Dr. Mohamed Esmat El-Attar,** Professor of Architectural Engineering in the British University in Cairo (BUE), [dr.mealattar@gmail.com](mailto:dr.mealattar@gmail.com)
- **Prof. Dr. Shereif Sheta,** Professor of Architecture in Architecture Department, Faculty of Engineering, Mansoura University. [Shetash11@yahoo.com](mailto:Shetash11@yahoo.com)