

# Mustafa Mohammed Elwan



**Current** Associate professor, Department of Architecture, Tanta University

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## Background

Mustafa Mohammed Elwan is an Associate professor at the Department of Architecture Engineering, Tanta University, He has published many papers, His research interests include Environmental Engineering, and he works as a Director of the Environmental Metrics Laboratory at the faculty of engineering at Tanta University, also he is a director of DLMS distance learning management system at Tanta university.

## Education

### Cairo University

Master's Degree (MSc.), Planning & environmental design and energy

2000 – 2005

Using glass fibre reinforced concrete G.R.C technology to enhance environmental opening in contemporary buildings in Cairo



### Cairo University

Doctor of Philosophy (PhD), Planning & environmental design and energy

2006 – 2012

The lighting environment of residential buildings under the contemporary building regulations in Egypt



### Tanta University

Bachelor of Architecture (B.Arch.), Architecture

1992 – 1997



## Skills

- Research
- Environmental Design
- Design builder
- ANSYS Fluent
- RELUX lighting
- AutoCAD.Revit
- Microsoft Office
- Ecosystem Services

## Misc

- Military: Exempted
- engineers syndicate: no 13/04011
- liescène drive: private
- address: New Cairo Elrehab city phase 3.

1. Retrofitting campus outdoor space based on thermal performance: case study seberbay university campus, Tanta city

Published: 2021 in Civil Engineering and Architecture  
DOI: [10.13189/CEA.2021.090734](https://doi.org/10.13189/CEA.2021.090734)

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2. The role of traditional Lattice window "Mashrabiya" in delivering single-sided ventilation-A CFD study

Authors: Elwan, M.M.  
Published: 2020 in [SSRG International Journal of Engineering Trends and Technology](#)  
DOI: [10.14445/22315381/IJETT-V68I9P221](https://doi.org/10.14445/22315381/IJETT-V68I9P221)

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3. Lattice windows as a natural ventilation strategy in hot, humid regions

Authors: Elwan, M.M.; Dewair, H.A.  
Published: Dec 2019 in [IOP Conference Series: Earth and Environmental Science](#)  
DOI: [10.1088/1755-1315/397/1/012022](https://doi.org/10.1088/1755-1315/397/1/012022)

4. An Experimental Cross-Ventilation Performance inside a Single Small Rectangular Room in Hurghada, Egypt; As an Example of Windy Hot Regions

Published: 2018 in [IOSR Journal Of Environmental Science, Toxicology And Food Technology](#)

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5. A Review on Wind-Driven Cross - Ventilation Techniques Inside Single Rooms

Published: 2018 in [International Journal of Scientific Engineering and Research](#)

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6. Effect of Environmental Thinking through Architectural Design Studio Education

Authors: Assoc. Prof. Shahira Sharaf Eldin; Ass. Prof. Mustafa Mohammed Elwan  
Published: 2018 in [Journal of Engineering and Architecture](#)  
DOI: [10.15640/JEA.V5N2A8](https://doi.org/10.15640/JEA.V5N2A8)

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7. An Improved Cross Ventilation Model in Windy Regions

Published: Aug 2015 in 4th INTERNATIONAL SCIENTIFIC FORUM, ISF 2015

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8. Improving Single-Sided Room Ventilation by Using a Ceiling Fan

Published: 2013 in [International Journal of Engineering and Information Systems](#)