

Mahmoud Attiya Muhammad Ali

Assistant Professor

EDUCATION

- Ph.D, in Architectural Engineering, Cairo University, Egypt, 2018
- M.Sc in Architectural Engineering, Cairo University, Egypt, 2014
- B.Sc., in Architectural Engineering, October Higher Institute of Engineering and Technology, Egypt, 2012

ACADEMIC EXPERIENCE (FULL-TIME)

- Lecturer in Architecture Dept., Faculty of Engineering, October Higher Institute of Engineering and Technology, Egypt, 2018 –present.
- Lecturer, Architectural Engineering Dept. of, the Nile Higher Institute for Engineering and Technology, Mansoura, Egypt, 2021 –present.

NON-ACADEMIC EXPERIENCE (FULL TIME)

- The architectural design of the research city buildings, Beni Suef University, and the work of the architectural perspective of the research city buildings and executive drawings. August- 2015 AD.
- Participation in the work of environmental studies of the Egyptian-Japanese University in Borg El Arab - June 2015
- The proposed and perspective architectural design for a Specialty Hospital - 6th of October City, September - 2015.
- Work as an engineer supervising the implementation of the 104-building project of the Nile Valley Company with an office
- Consultant Sheba Group - 2013.

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

None

PROFESSIONAL ORGANIZATIONS

None

HONORS AND AWARDS

Obtaining the first place in Dr. Sawsan Al-Toukhi's first prize for the best scientific research for the year 2014 AD.

Research Title: **The role of nanotechnology in improving the efficiency of energy use with a special reference to glass treated with nanotechnology in office buildings.**

SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)

None

SELECT PUBLICATIONS/PRESENTATIONS (PAST 5 YEARS)

- An international research entitled "The Impact of Climate Change and the Energy Crisis on Architecture in the Nile Basin Countries (Case Study Egypt)" Participated in the annual international conference on "Potential Effects of Climate Change on the African Continent" at the Institute of African Research and Studies - Cairo University - May 2014
- An international research entitled "The role of nanotechnology in improving the efficiency of energy use with a special reference to glass treated with nanotechnology in office buildings - " Ain Shams Engineering Journal - July 2017

- Research entitled "Thermal Insulation as a Tool to Rationalize Energy Consumption" A Study to Rationalize Energy Consumption in Residential Buildings for Hot, Dry Areas - Scientific Bulletin of Urban Research - Faculty of Regional and Urban Planning - Cairo University - February 2019
- A research entitled "The Effect of Orientation and Thermal Insulation on Improving Energy Efficiency and Reducing Carbon Dioxide Emissions in Hotel Rooms in Aswan City" in the Scientific Bulletin of Urban Research - Faculty of Regional and Urban Planning - Cairo University, November 2019
- A research entitled "Improving the Energy Performance of Hospital Patients' Rooms in the Hot Climate of Cairo" Journal of the Egyptian Society of Engineers - The Egyptian Society of Engineers - November 2019
- A research entitled "Reducing the rate of carbon dioxide emissions for social housing units in the new 6th of October City" Journal of Architecture, Arts and Human Sciences - Cairo - October 2020
- A research entitled "Reducing carbon dioxide emissions."
- Using Glass Treated with Nanotechnology in School Classroom Buildings in Qena Governorate" Journal of the Egyptian Society of Engineers - The Egyptian Society of Engineers - November 2020
- A research entitled "Activating the Environmental Role of the Outer Cover to Improve Energy Performance in Social Housing Units in Giza Governorate - Egypt" Journal of Architecture, Arts and Human Sciences - Cairo - February 2021
- An international research entitled "Evaluation of a Retrofitted Heritage Building in Downtown Cairo as a Best Practice Example" (BE21 Sustainable Built Heritage Conference) An international conference in Italy - February 2021.
- A research entitled "Using Glass Treated with Nanotechnology to Improve Energy Performance in School Classrooms in Qena Governorate, Egypt" - in the Scientific Bulletin of Urban Research - Faculty of Regional and Urban Planning - Cairo University - 2021
- A research entitled "The Role of Green Maintenance and Building Rehabilitation Approaches in Improving Energy Performance and Reducing the Carbon Emission Rate of Heritage Buildings" Journal of Architecture, Arts and Human Sciences - Cairo – 2022

PROFESSIONAL DEVELOPMENT

- Attending the COP 27 Climate Conference of the United Nations, in the explanations of Sheikh, from 7-18 November 2022.
- Attending the Saudi Green Initiative conference in Sharm El-Sheikh, November 11-12, 2022
- Attending the Engineering Excellence Conference of the Consulting Engineers Group Company 2019
- Attending the sustainable construction conference at the American University in the presence of the international architect Norman Foster 2019
- Attending the Mega Cities Conference at the American University in Cairo. February 2019
- Attending a conference announcing the green hospital evaluation system in Egypt - the National Center for Housing and Building Research, April 2018
- Attending the Eco Research Forum conference at the American University in Cairo, March 2015
- Attending and participating in the annual international conference on "The Potential Impacts of Climate Change on the African Continent" 20-22 May 2014 Institute of African Research and Studies - Cairo University
- Attending the Third Architectural Forum Conference - Saint-Gobain Glass Company, March 2014
- Attending a conference simulating the performance of buildings towards a green and sustainable built environment. June 2013
- Attending the conference "Hosting major international events from innovation to impact assessment" The National Center for Housing and Building Research 15-18 January 2013