

HEBA HASSAN, ISMAIL

Assistant Professor in Architecture

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DOB: 29-08-1977



SUMMARY

As an Assistant Professor of Architecture with a Doctor of Engineering, I have a proven track record of excellence in teaching and research. My expertise lies in Green Architecture, focusing on indoor air quality (IAQ). I have dedicated my career to educating students at esteemed universities, where I have imparted knowledge of architectural principles and methodologies. My research endeavors are centered on developing practical guidelines for the implementation of earth-sheltered buildings in Egypt. By integrating psychological and thermal considerations, I aim to contribute to the creation of sustainable and comfortable living spaces.

EXPERIENCE

Assistant Professor in Architecture

Beni Suef University

03/2018 - Present Egypt

Faculty of Engineering

- Teaching academic courses for undergraduates covering subjects like Environmental control and sustainability, Architectural and Urban design, Working drawings and construction, Academic and technical writing, History of architecture and heritage.
- Involved in several administrative, academic, and cultural activities such as field visits for undergraduate students and university training for staff members on quality and accreditation.

Lecturer

Al-Nahda University

09/2018 - 01/2019 Egypt

Faculty of Engineering

Teaching Assistant

Beni Suef University

06/2009 - 03/2018 Egypt

Faculty of Industrial Education

Demonstrator

Beni Suef University

01/2003 - 05/2009 Egypt

Faculty of Industrial Education

Demonstrator

Minya University

09/2000 - 01/2003 Egypt

Faculty of Engineering

PUBLICATIONS

An Analytical Study to Assess the Effectiveness of the Selection of Industrial Sites in Egypt through Egypt's Vision 2030 " Case Study of Beni Suef Governorate.

[International Journal of Innovative Research in Science, Engineering and Technology \(IJIRSET\)](#)

Yassin, Shaima Mohammed, and Heba Hassan Ahmed

10/2022

STRENGTHS

Leadership Skills

Time Management, Presentation & Communication, Group work leader and/or member, Deadlines punctuality.



Computer Skills

Rhinoceros & Grasshopper, DesignBuilder, Microsoft Office (Word, Power-point, Excel), Mendeley.

LANGUAGES

Arabic
Native



English
Proficient



Japanese
Intermediate



SKILLS

DesignBuilder	Grasshopper	EXCEL
Microsoft Office	Mendeley	
Microsoft SQL Server	Oracle	
ASP.NET	Technical Writing	

TRAINING / COURSES

[International TOEFL IBT \(79\)](#)

[DuoLingo \(105\)](#)

[Rhinoceros & Grasshopper](#)

[Mendeley](#)

[Training of Trainers TOT](#)

[Oracle Certified Professional OCP](#)

[Microsoft SQL Server](#)

[ASP.net](#)

EDUCATION

Internship (Non degree training)

[Pennsylvania State University](#)

01/2023 - 01/2023 Pennsylvania, USA

PUBLICATIONS

Effects of Environmental Factors on the Spread of Covid-19 in Indoor and Outdoor Spaces.

[AMPS Proceedings Series 24.2. Cities in a Changing World., edited by J. Montgomery.](#)

•Ayyad, Karim M., and Heba Hassan

📅 08/2021

A Discussion of The Application's Possibility of The Earth-Sheltered Building Type in Egypt: Implementation Guidelines.

[International Journal on The Academic Research Community Publication, IEREK Press.](#)

•Hassan, Heba; and El-Kotory, Ahmed

📅 12/2017

Evaluation of Basement's Thermal Performance against Thermal Comfort Model at Hot-arid Climates, Case Study (Egypt).

[International Journal of Environmental Science and Sustainable Development, IEREK Press.](#)

Hassan, Heba; and Sumiyoshi, Daisuke

📅 09/2017

Earth-Sheltered Buildings in Hot-arid Climates: Design Guidelines.

[Beni-Suef University Journal of Basic & Applied Sciences, ELSEVIER.](#)

Hassan, Heba; and Sumiyoshi, Daisuke

📅 05/2017

Measuring people's perception towards Earth-sheltered buildings using photo-questionnaire survey.

[Sustainable Cities and Society, ELSEVIER.](#)

Hassan, Heba; Sumiyoshi, Daisuke; El-Kotory, Ahmed; Arima, Takafumi; and Ahmed, Aly

📅 05/2016

Testing the Basements Thermal Performance as an Approach to the Earth-Sheltered Buildings Application at Hot Climates, Case Study (Egypt).

[IBPSA-Asia Conference, Nagoya, Japan.](#)

Hassan, Heba; Arima, Takafumi; Ahmed, Aly; Sumiyoshi, Daisuke; and Akashi, Yasunori.

📅 02/2014

The Possibility of Applying the Earth-Sheltered Building Type for Housing Projects between Humid and Dry Climates- Case Study Egypt and Japan.

[International Society of Habitat Engineering and Design Conference, Shanghai, China.](#)

Hassan, Heba; Akashi, Yasunori; Ahmed, Aly; Arima, Takafumi; and Sumiyoshi, Daisuke.

📅 12/2012

EDUCATION

Doctor of Engineering (Dr. Eng.)

[Kyushu University](#)

📅 01/2012 - 01/2018 📍 Fukuoka, Japan

Ph.D Courses (Course work)

[Cairo University](#)

📅 01/2010 - 01/2011 📍 Cairo, Egypt

Master of Science (MSc.)

[Minya University](#)

📅 01/2000 - 01/2009 📍 Al Minya, Egypt

Bachelor of Science (BSc.)

[Minya University](#)

📅 01/1994 - 01/1999 📍 Al Minya, Egypt

High School, Science Major

[High School for girls](#)

📅 01/1991 - 01/1994 📍 Minya, Egypt

VOLUNTEERING

Organizational membership

[IBPSA-Egypt](#)

📅 01/2013 - Present

(International Building Performance Simulation Association) Egypt chapter.

IBPSA

[IBPSA-USA](#)

📅 03/2020 - Present

(International Building Performance Simulation Association) USA. chapter.

JSPS

[JSPS-AAE](#)

📅 03/2018 - Present

(Japan Society for the Promotion of Science Alumni Association in Egypt).

PASSION



Multi-Cultural working Environment:

*Experience working with individuals from various cultural backgrounds, demonstrating adaptability and respect for different perspectives.