


Contact Information:			
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Email: halbaz@horus.edu.eg hbaz@mc.edu.eg bazhuda336@gmail.com			
University Qualifications			
Fully qualified	Specialization	Recipient	Year
PhD in Engineering	Architecture (Environmental Architecture)	Faculty of Graduate Studies for Environmental Research - Department of Engineering - Ain Shams University	2018
<i>Obtaining a certificate of equivalence (the equivalence of the environmental architecture specialization for the architecture specialization in all engineering colleges) 2018</i>			
Master of Engineering	Architecture (Environmental Architecture)	Faculty of Graduate Studies for Environmental Research - Department of Engineering - Ain Shams University	2009
Environmental Engineering Diploma	Architecture (Environmental Architecture)	Faculty of Graduate Studies for Environmental Research - Department of Engineering - Ain Shams University	2004
Bachelor of Engineering	Architecture (Architectural Design)	Faculty of Engineering - Ain Shams University	2000
Academic Career Experience and Degrees			
Grade:	Entity:	From	To:
Lecturer - Appointed	Horus University, Egypt	2019	الآن
Lecturer - Seconded - Full Assignment	Higher Institute of Engineering and Technology in Mansoura	2020/2	الآن

Lecturer - Partial Seconded	At the Higher Institute of Engineering and Technology in Manzala	2023/9	now
Lecturer - Partial Seconded	Egypt Higher Institute for Engineering and Technology in Mansoura	2023/2	2023/7
Lecturer - Partial Seconded	Delta Higher Institute for Engineering and Technology in Mansoura	2020/10	2021/2
Lecturer - Seconded	Modern Academy in Maadi in Cairo	2018/8	2019/9

Managerial positions held

Post:	Entity :	From	To:
Senior researcher and trainer of engineering programs at the level of general manager	General Authority for Educational Buildings in Cairo	2015	2018
Head of Architectural Design Department	General Authority for Educational Buildings in Cairo	2005	2014
Architect in multiple departments	General Authority for Educational Buildings in Cairo	2001	2005

Teaching Experience (Courses, Language)

Horus University in Egypt (9/2019 – now) – Appointment:

To teach subjects: Architectural Construction (1 and 2) - Architectural Drawing - Engineering Drawing and Projection (AutoCAD) - Architectural Design 1 - Arts and Architecture - Computer Applications in Architecture (Excel and Revit) - Analysis and Research Skills - History of Engineering and Technology - Building Economics - Environmental Control - Introduction to the history of civilizations, and prepare its own quality files.

- Internal arbitration of graduation projects in the Department of Architecture - 2023, entitled:

(Actions taken towards sustainable development goals between the past, present and future) in Damietta and Mansoura governorates. Making a description of the laboratories of environmental courses.

- Entering the Summer Training Committee 2023 to raise the university building under construction and draw it on the Revit program and take it out with a group of students.

Languages: Arabic – English.

At the Higher Institute of Engineering and Technology in Mansoura (2020 - now) - partial secondment - secondment:

To teach subjects: implementation documents - environmental control - building economics - executive drawings 1 - modern artistic trends - arts and architecture. And prepare its own quality files.

- External arbitration of graduation projects in the *Department of Architecture - in 2020,*

entitled: Challenges of urban development in Egypt, And the year 2022 entitled: Transformation towards smart cities in Upper Egypt , - And the year 2023 entitled: Sunken Cities and Climate Challenges in Egypt.

Languages: Arabic – English.

At the Higher Institute of Engineering and Technology in Manzala (2023):

To teach subjects: construction of buildings 1,2,4 - Executive drawings 1. And prepare its own quality files.

Egypt Higher Institute for Engineering and Technology in Mansoura (2023) Partial secondment :

To teach subjects: construction of buildings (1 and 2). And prepare its own quality files.

Languages: Arabic – English

At Delta Higher Institute for Engineering and Technology in Mansoura (2021) - Partial secondment:

To teach subjects: Building Construction 1 - Computer Applications in Architecture (MAX) - Visual Training - Building Economics - Environmental Control.

Languages: Arabic – English

At the Modern Academy in Maadi (9/2018 – 8/2019):

- **To teach subjects: Architectural Design 5 and 6 - Building Economics .**
- **Follow-up and internal arbitration of various graduation projects (remodeling projects: tourism, sports, cultural and others).**

Languages: Arabic – English

In the General Authority for Educational Buildings in Cairo:

- **Training engineers to learn engineering programs such as Photoshop, three-dimensional AutoCAD, SketchUp, Revit, GIS Arc, Design Builder, Dialux and Relux.**

Languages: Arabic – English.

Scientific Production:

- **Presentation of a working paper entitled: *Development and development of Zeinhom area from an environmental architectural perspective*, which was published in the scientific journal of the Faculty of Graduate Studies for Environmental Sciences - Department of Engineering (Architecture) of Ain Shams University - Cairo - and presented at the *World Conference on Environmental Management* at Sheraton Hotel - Giza. *Arbitrator*).**
- **Presenting a working paper entitled: *A proposal to develop Al-Ahram School in Giza to comply with the requirements of sustainable development*, and it was published in the Journal of Environmental Sciences at the Faculty of Graduate Studies for**

Environmental Sciences - Department of Engineering (Architecture) - Department of Architecture at Ain Shams University (2017) (*arbitrator*).

- Presentation of a working paper entitled: ***A case study at Abdel Halim Mamoun School in Qalyubia*** - published by the Egyptian Society of Engineers in Cairo (2019) (*arbitrator*).
- Presenting a working paper entitled: **Green ceilings as one of the architectural solutions to improve the performance of existing schools in the Greater Cairo region** - and published by the Egyptian Society of Engineers in Cairo (2020) (arbitrated).
- Presenting a working paper entitled: ***Sustainability in Government Educational Spaces from a Lighting Perspective (A Case Study: A Public School in Cairo)*** - Published in the Journal of Architecture, Arts and Humanities (2022) (refereed).
- Presenting a working paper entitled: **An environmental architectural study to re-employ an archaeological building to become an educational building - from the perspective of local and international standards (Study case: Al-Dobara Palace in Cairo)**, and it was published in Fayoum Engineering Journal - Faculty of Engineering - Department of Architecture (2023) (arbitrated).
- Presentation of a working paper entitled: **Evaluation of lighting design for an economic housing project using the WELL classification system (Study Case: Housing and Development Bank Building in New Damietta)**, and it was published in the International Journal of Architectural Engineering and Urban Research - Higher Institute of Engineering and Technology in Minya - Department of Architecture (2023) (arbitrated).
- Presentation of a working paper entitled: **Evaluation of the health performance of social housing projects in Egypt - lighting design for the Dar Misr project in New Damietta**, which is being published in the magazine - (2023) (unrefereed).
- Presentation of a working paper entitled: **Zero Energy Building Strategy in New Cities Using Revit Program Powered by Artificial Intelligence (Case Study: Coastal Villa in New Damietta)**, Journal of Engineering Research (ERJ), Tanta University, Faculty of Engineering - (2023) (Arbitrated).

The researcher's profile, as follows:

- <https://scholar.google.com/citations>
- <https://www.researchgate.net/profile/Huda-M-Albaz>
- <https://independent.academia.edu/HodaMohamed2>
- <https://www.mendeley.com/reference-manager/library/my-publications/>
- <https://alecso-science-gate.org/Science-Gate/profile.php>
- <https://www.academia.edu/>
- <https://digitalcommons.aaru.edu.jo/erjeng/vol7/iss5/25/>

Other relevant job experience:

- Participation in the accreditation of the quality of architecture programs at the Modern Academy in Maadi 2019, and at Horus University 2024.
- Obtaining the International Research Publishing Course at the Modern Academy in Maadi 2019.
- Obtaining the program quality accreditation course for the Quality Assurance and Accreditation Authority at the Modern Academy in Maadi 2019.
- Obtaining the membership of the Arab Engineers and the membership of the Egyptian Syndicate of Engineers 2001 - 2024.
- Attending the workshop of the Middle East Green Building Conference – Sofitel El Gezira Hotel – Egypt:
LEED V4 for the design and construction of green buildings – classification system (BD+C). in 4/2016
- Obtain a Mini MBA and a Mini Master in Human Development (NLP),
- And obtaining diplomas (NLP and preparation of trainers TOT, mental health, family counseling and human development) in 2016 - the British Foundation accredited by Ain Shams University - Cairo - Egypt.
- Obtaining a professional international teacher preparation scholarship that includes the following (professional diploma specialized in: behavior modification - modern teaching methods - human and material resources management - personal planning

- computer leadership ICDL - preparation of the educational director - English language - preparation of leaders) and a master's degree in mini educational guidance in 2018 - the British institution with the accreditation of the Egyptian government (Council of Ministers) and the American University EU-USA - Cairo - Egypt.

- Participation in the preparation of standards and quality files in the subjects that I participate in teaching and others at the University of Horus (2019-2024).
- Participation in the work of the control, the follow-up committee of faculty members, and the schedules committee at Horus University (2019-2024)
- Participation in the international grant project (2020).
- Attending workshops on various topics to develop the capabilities of faculty members at Horus University (2019-2024).
- Attendees: Huawei ICT Academy Ambassador Program Launch Ceremony 2022 at Four Seasons Garden City Hotel on May 31 to receive a shield honoring Horus University.
- Obtaining a certificate of appreciation from the Higher Institute of Engineering and Technology in Mansoura for my participation in the arbitration of graduation projects .
- Attending a course: Critical Thinking Skills - Training and Development Center - at Ain Shams University - 26/7/2022.
- Attending a course: Fundamentals of Blended Learning - Faculty and Leadership Development Center - Cairo University - 4/8/2022.
- Attending a course: Examination Systems and Student Evaluation - Faculty and Leadership Development Center - Cairo University - 2/2023.
- Attending a course: Ethics of Scientific Research - Faculty and Leadership Development Center - in
 - Port Said University - 9-10/5/2023.

- **Attending a course: The use of technology in teaching - Faculty and Leadership Development Center - at Port Said University - 23-24/7/2023.**
- **Participation in: The eleventh annual international conference of Ain Shams University entitled (Knowledge Economy for a Better Life) - led by the Minister of Higher Education and Scientific Research, the most important of which were: sustainable development sessions, which included research on sustainability and its relationship to architecture, and remote sensing sessions, which included research for remote sensing and its relationship to architecture, which included a presentation of global research with case studies in Egypt and the Arab and Western world, and participation in the celebration of the fortieth anniversary of the establishment of the Faculty of Studies Supreme School for Environmental Sciences - at Triumph Luxury Hotel in the Fifth Settlement in Cairo. (10-11/5/2023).**
- **Participation in the celebration of World Environment Day 2023 under the title (Defeating Plastic Pollution) by giving a lecture as a member and coordinator of the Environment Eye Association and a member of the advisory board of the Egypt Dream Foundation in Damietta Governorate, in cooperation with the Environmental Affairs Agency, the National Council for Women, and many government partners and civil society organizations in Damietta Governorate,**
- **The events were registered at the United Nations for the agenda of the International Day, which was held in Ezbet Al-Burj, Damietta Governorate, (5/6/2023).**
- **Attendance: Remarque training course entitled "Optimal use of the Remarque electronic correction system for paper tests in Egyptian universities", which was held on the following days: 20-22-24 May -2023.**
- **Attending a seminar at the Higher Institute of Engineering and Technology in Mansoura entitled (Artificial Intelligence and its Applications in Architecture) - on 8/5/2023.**
- **Attending the eleventh international conference, entitled (Creativity, Innovation, Technology and Modern Research in Architecture and Arts) (ICCITRAA), the conference website on the following link:**
 - **<https://iccitraa.conferences.ekb.eg>– There were workshops and other distinguished research in all fields - attached link Publishing the event in an electronic newspaper:**

Which was held at the Italian Consulate in Alexandria, on 25-72/7/2023 - from 9 to 4 pm. Organized by Egypt Future Foundation, in partnership with the Italian Cultural Institute and members of the Scientific and Organization Committee of the Union of Fine Arts of Arab Universities and Academies in Romania, Sapienza

University in Rome, University of Catania, Italy.

- **Attending a scientific activity through the IEEE-HUE branch - entitled: "The importance of energy engineering and new and renewable energy in shaping the future of our world, and promoting the use of renewable energy sources such as solar, wind, hydro and geothermal energy" IEEE Power Energy Society Day Egypt - Delta Stop) - at the Faculty of Engineering at Horus University on 9/5/2023.**
- **Attending the International Conference on Artificial Intelligence and Climate Change Mitigation under the slogan (A Better Future for Humanity), which was organized by Al-Azhar University in Cairo, and the first day was at the Electronic War House and the second day at the Saleh Kamel Center Hall at Al-Azhar University, from 27 to 28 August 2023. From 9 am to 5 pm.**
 - **She participated in the conference with a presentation and video on the description of the invention in lighting using artificial intelligence to improve the energy and resource efficiency of buildings and cities.**
 - **The registration was carried out at the Egyptian Patent Office.**
- **Participation in the workshop of the project (Green Cities Action Plan in Cairo Governorate), which was held by the Ministry of International Cooperation, Cairo Governorate and the European Bank for Reconstruction and Development, at the Sofitel El Gezira Nile Hotel in Cairo, Le Grand Hall 1 - from 10 am to 2 pm - on Monday, September 25, 2023.**
- **Attend fourteen specialized training programs (online) provided by the National Initiative for Smart Green Projects in cooperation with a number of partners, to help prepare and manage projects and how to market them.**
- **Participation in the *Smart Green Initiative competition for smart green projects* - for the category of non-profit projects in the project (Lighting with clean energy for residential areas) and the fourth place has been obtained.**
- **The Eye of the Environment (Ein Elbea) Association - for which I am the coordinator in Damietta Governorate - also achieved the first places in the Smart Green Initiative in the project (Environmental Complex for Sustainable Development Applications) of the Environment Eye Association, among the three major winning projects within the presidential initiative for smart green projects in the governorates of Cairo, Giza, Qena and Luxor.**
- **Participation in the *Damietta Pioneers Competition under the auspices of the International Labor Organization and Methanex Company* - and my qualification in the service field, the path of entrepreneurial ideas - a project named NOUR - then I attended the training course entitled: (Start and improve your project) which includes an entrepreneur training workshop (SYB) - Damietta - as a requirement to complete the competition, from Saturday 28/10/2023 - to Wednesday 1/11/2023 - at the Civic**

Education Center in New Damietta - from 9 am to 4 pm, Then I was presented to the two required tasks, namely: a video that includes an explanation of the idea of the project and the capital required to implement the idea - on 6/11/2023, then

I qualified for the semi-finals and set an appointment to discuss the idea on 14/11/2023 - at the Lamar Hotel in New Damietta, and the discussion took place in the hotel hall in front of the jury consisting of 9 people in various disciplines. Then I received a certificate of passing the training course entitled: Business Model Innovation - on 16/11/2023, as a requirement for completing the competition.

- **Attending the first annual conference of the Faculty of Engineering at Horus University entitled:**

Applied Innovative Research for Engineering Grand Challenges '23- and participate in the presentation of a research (strategy for building zero energy in new cities using the Revit program supported by the feature of artificial intelligence (a case study: coastal villa in New Damietta),

- **attend workshops in the Department of Architecture entitled: Technology integration in architecture.**
 - ❖ **Join the GREEN Group of Green Team Ambassadors – Be Positive and Present (on line) Architecture Lecture Series.**
 - ❖ **Participation in the camp lectures and the first virtual Arab training forum in the field of sustainability and renewable energy.**
 - ❖ **Join and participate in the Engineers Initiative for Sustainability Egypt (on line) in Moodle COP28 simulation.**
 - ❖ **Attend the Knowledge Summit 2023 of the Mohammed Rashid Al Maktoum Foundation in the UAE (on line) at the Dubai World Trade Center on 20-21 November 2023 and obtain a certificate.**
 - ❖ **Participating in the trip of the Administrative Capital with a group of students of a batch to graduate for the current year to visit the General Authority for Urban Planning.**
 - ❖ **Participation in the Manzala Lake trip with a group of students of the current year's graduation batch The first workshop was held on Thursday, November 30, to explore the first sites of the graduation project "Lake Manzala" within the framework of the project for this year 2023-2024 "**
- **Participate as a virtual observer on the COP28 Climate Change Conference website, taking the letter of approval to participate and visa in the State of Dubai - UAE - on 30/11 – 12/12/2023, organized by UNFCCC United Nations – and the registration was done in the Green Zone 5 December, the Innovation Zone and the Knowledge Summit.**

- **Participation in the Geniuses Forum - in my capacity as a professor of executive designs 1 for the third level in the Department of Architecture, on Tuesday, December 19 - at the Higher Institute of Engineering and Technology in Mansoura from 12:30 am to 2 pm, and machines were presented for some projects showing construction systems in implemented international buildings.**
- ❖ **Attending a training course in the Women Driving Program in the Egyptian governorates - Damietta Governorate (second batch) at the Women's School for Leadership Qualification - affiliated to the National Training Academy (NTA) in partnership with the Ministry of Planning and Economic Development.**
- ❖ **Attending workshops (on line) and obtaining certificates (2021-2023), in the following:**
 - **BIM Arabia:**
 - *Introduction to Computational Environmental Design*
 - *Smart Cities - Fit Infrastructure Design 2016*
 - *Innovative methodologies to preserve the authenticity of wood in the world of heritage*
 - *Post-occupancy performance for green buildings*
 - *Building Performance Analysis (Revit Insight)*
 - *Smart and sustainable cities.*
 - *Artificial Intelligence and BIM*
 - *Innovative and effective solutions to reduce construction costs in the real estate market.*
 - *The importance of electromechanics for civil and architectural engineers in major projects .*
 - *Building maintenance . how to treat cracks,*
 - **Egyptian Knowledge Bank EKB:**
 - *Advanced search on Scopus*
 - *Choosing a magazine for publication*
 - *Introduction to Science Direct*
 - *Prepress publishing: Make a difference in your research vision.*
 - Discover Iknito products (system of recommendations, Egyptian magazines and Egyptian conferences.
 - "Scopus-indexed journals: Which journal suits my paper ?
 - "Advanced Search Techniques for IEEE Xplore (for final year students & faculty members)"-
 - Publisher at IOP Publishing -
 - "Maintaining your Scopus Author Profile" .

- Trust Company for e-marketing: How to profit from creating content on social networking sites.

- SCHOBOT : participated in the scientific webinar *entitled:*

The Uses of Artificial Intelligence Tools to Develop Scientific Research and Generate Research Ideas , on: Jan 19th, 2024.

❖ *Mentor platform* : *artificial intelligence course7/2023.*

❖ *Environment Eye Association* : *In the Carbon Certification Initiative, whose lectures lasted 3 times a week for two hours from 7/2023 to 9/2023.*

❖ *Arab Architecture Public School*: *which continued its lectures daily for 3 hours from 8/2023 to 9/2023*