

AMAL SHAMSELDIN

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<https://scholar.google.com/citations?user=aigLQq8AAAAJ&hl=ar>

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Building no. 7027, AbuBakr street, Taif, KSA

CURRENT POSITION

- **Associate professor** at the Architectural Department, Faculty of Engineering, Ain Shams University, Cairo, Egypt (2019).
- **Academic Coordinator** of the Architectural Program at Taif University – Faculty of Engineering - Female Campus, Saudi Arabia (2019).
- **Assistant Professor** at Civil Engineering Department, College of Engineering, Taif University, Female Campus, Saudi Arabia (2019).
- **Academic Advisor** at the Architectural Department, Faculty of Engineering, Taif University – Faculty of Engineering - Female Campus, Saudi Arabia (2019).

PREVIOUS POSITION

- **Academic Coordinator** of the Landscape Architecture Program (LAAR Program), Faculty of Engineering, Architectural Department, Ain Shams University, Cairo, Egypt (2017 to 2018).
- **Academic Advisor** in the Landscape Architecture Program (LAAR Program), Faculty of Engineering, Architectural Department, Ain Shams University, Cairo, Egypt (2015 to 2018).

EDUCATION

Doctor of Philosophy (Ph.D.) degree in Architecture and Building Sciences, Cairo University, Cairo, August 2014.

Ph.D. Title: Development of versatile environmental buildings rating system “in terms of adaptability with variables”

(تطوير أسلوب مرن للتقييم البيئي للمباني "من حيث القدرة على التكيف مع المتغيرات")

Master's degree in architecture, Ain Shams University in Cairo, September 2003.

Master Title: Energy conservation in the building construction phase.

(ترشيد استهلاك الطاقة في مرحلة تشييد المبنى)

Bachelor of Architectural Engineering, Ain Shams University in Cairo, June 2000.

Grade: Very good with an honors degree, excellent in the Graduation Project.

Graduation Project: The development of the Egyptian people: Designing a Cultural and Recreational Center in Ismailia. (مركز ثقافي ترفيهي بالإسماعيلية)

Secondary school certificate (Thanawiya Amma) - Science, Aisha Umm El Momenein School, Abu Dhabi, UAE, June 1995.

Grade: 96.4%

ACADEMIC CAREER

Overall, 24 years of experience in teaching architectural design and working drawings covering different academic years, as well as supervising graduation projects at Ain Shams University, among the top architecture schools in Egypt:

28/10/2019 - Associate professor, *Architectural Department- Faculty of Engineering, Ain Shams University.*

11/02/2019 - Assistant professor, *Civil Engineering Department, College of Engineering, Taif University.*

23/10/2014 - Assistant Professor, *Architectural Department- Faculty of Engineering, Ain Shams University.*

03/01/2004 - Teacher Assistant, *Architectural Department- Faculty of Engineering, Ain Shams University.*

17/01/2002 - Demonstrator, *Architectural Department- Faculty of Engineering, Ain Shams University.*

PRACTICAL EXPERIENCE

1 year – Project: preparation of the general strategic plan for a group of villages, ***Abou El Khair Consulting Group - Nabil Consulting Office***, 2008

1 year – Project: The general and detailed strategic plan of some cities, Urban development studies for the areas located on the Cairo-Assiut western axis, ***Map for Urban Studies and Development***, 2007

1 year – Project: Architectural Design and Working Drawing of several projects, ***Beeah Planners, Architects and Engineers***, 2006

TEACHING ACTIVITIES

Current Teaching responsibilities:

Lecturer at Taif University – Faculty of Engineering - Female Campus.

Previous teaching responsibilities

Lecturer at Ain Shams University, Department of Architecture.

Part-time Lecturer at the Architectural Department - Misr International University.

Part-time Lecturer at the Architectural Department, High Valley Engineering Technology Institute.

Teaching Courses of the following Subjects:

-Postgraduate:

Energy conservation – Sustainable buildings.

Resource Efficient Buildings

Building Rating Systems

-Undergraduate:

Architectural Design (all years) - Environmental Architectural Design.

Graduation project

Working Drawings

Building Construction

Building Engineering Drawing

Architectural Graphics

Green Architecture and Sustainable Design
Green and Smart Cities
Building Envelope Design
Resource Efficient Buildings
Energy Conservation
Urbanism and Climate.
Control of Thermal Environment in Buildings.
Smart/ Intelligent Architecture
Construction Management
Building Economy

EDUCATIONAL ACTIVITY AND COMMUNITY SERVICE

- Participation in writing the academic **reviewing report** of the bachelor's in architecture engineering at Jeddah International College, as a member of the House of Expertise: United Experts for Training and Consulting, 04/01/2024.
- Head of the **Academic Programs Committee (APC)**, Architectural Engineering Program, Taif University, KSA, 2023-present.
- Head of the **Students Activities, Training and Graduates Committee (SATGC)**, Architectural Engineering Program, Taif University, KSA, 2023-present.
- Head of the **Academic Affairs and Graduation Projects Committee (AAGPC)**, Taif University, KSA, 2023-present.
- Main Member of the **External Advisory Board (EAB)**, Taif University, KSA, 2023-present.
- Head of the **National Center for Academic Accreditation and Evaluation (NCAAA) Architectural Committee**, Taif University, KSA, 2023-present
- Main Member of the **ABET committee** at **College of Engineering**, Taif University, KSA, 2019-present.
- Main Member of the **Students Advisory Board (SAB)**, Architectural Engineering Program, Taif University – Faculty of Engineering - Female Campus, 2019 - present.
- Member of the Architectural **Faculty and Scientific Research Committee (FSRC)**, Taif University, KSA, 2023-present.

- Organizing the **graduation ceremony** for female students from Taif University for the academic year 22-23, from 16/7/2023 to 20/7/2023.
- Participation in the **Exit Exam** Preparation for the Graduating batch 2023.
- Participation in the **Framework Agreement for Comprehensive Programmatic Transformation** for the architecture program at Taif University 2023 - present.
- Participation in the **correspondence system** for the architecture program at Taif University 2022.
- Main Member of the three-year plan development committee of the **Architectural program** at the **College of Engineering, Taif University**, 2021.
- Participation in the **graduation project evaluation** for female architectural students at Al-Asala University in Hail - KSA in May 2021.
- Member of the Operational plan team and the Engineering Measurement and Testing Unit at the **College of Engineering, Taif University**, 2021-present
- Member of operating Plan Follow-up Committee at **College of Engineering, Taif University**, 2020.
- Main Member of the faculty Catalog preparation team at the **College of Engineering, Taif University**, 2019-present.
- Member of the International Cooperation Committee at the **College of Engineering, Taif University**, 2019-present.
- Preparation of the **Architectural program schedules** for the College of Engineering – Taif University, 2019-present.
- Member of the Annual Report Committee at the **College of Engineering, Taif University**, 2019-2021.
- Follow up on the implementation plan of the **Architectural Program College of Engineering, Taif University**, 2018-present.
- Member of Strategic Plan Committee at **College of Engineering, Taif University**, 2019-present.
- Member of the College website Review Committee at the **College of Engineering, Taif University**, 2019-2021.
- Member of the Taif University initiative to cooperate with the **Tourism Authority** in Taif to develop Taif's main archaeological palaces, KSA, 2019.
- Member of the **Quality and Assurance Unit**, College of Engineering, Taif University, KSA, 2019.

- Member of the Quality Assurance Unit (QUA) for the Landscape Architecture Program (LAAR) - **Faculty of Engineering**, Ain Shams University, 2018.
- Member of the **FUSION sustainable partnership** (a partnership between engineering education, scientific research, and industry) team - Faculty of Engineering, Ain Shams University, 2018.
- Member of the **International Relation Office (IRO)** - Ain Shams University, 2018.
- Landscape Architecture (LAAR) **Program Coordinator** - Faculty of Engineering, Ain Shams University, 2017 – 2018.
- **Coordinator with the Internal and External reviewers** for the Landscape Architecture (LAAR) Program, Faculty of Engineering, Ain Shams University, 2017 – 2018.
- **Academic advisor** in the Credit Hours Engineering Program (CHEP) - Faculty of Engineering, Ain Shams University, 2015 - 2018.
- Member in the **Quality Assurance Unit (QUA)** - Faculty of Engineering, Ain Shams University, 2008-2010, 2015.
- Participated in organizing the second International Conference of Architecture and Urban Planning Departments, **Architecture...Urbanism and Time**, Ain Shams University, at the JW Marriot, Cairo, October 2008.
- Worked within the management quality team to provide the **Continuous Improvement and Qualifying for Accreditation Project (CIQAP)**, 2008.
- Coordinated between the Department of Architecture in the *Faculty of Engineering – Ain Shams University* and the quality management to submit a draft of the **Quality Assurance and Accreditation Project (QAAP)**, 2007.
- Participated in the presentation of documents on the **Quality Assurance and Accreditation Project (QAAP) draft**, 2007.
- Participated in organizing the first International Conference of Architecture and Urban Planning Departments, **Architecture...Urbanism and Culture**, Ain Shams University, at the JW Marriot, Cairo, October 2006.
- Contributed and supervised the activities of the **annual “Renaissance Week”** since its inception in 2005.
- Provided research papers at **scientific conferences** of the *Architectural Department at Ain Shams University and Cairo University*.

OFFERED TRAINING COURSES AND WORKSHOPS

- **Workshop: Environmental sustainability in cities (Taif City Model) in the correct manner** تحقيق الاستدامة البيئية في المدن (نموذج مدينة الطائف) بالشكل الصحيح, online via Maharat platform, 19 October 2023.
- **Workshop: Achieving Sustainability in Taif ... Requirements and Capabilities** تحقيق الاستدامة البيئية في الطائف...المتطلبات والامكانيات, at Taif University – Faculty of Engineering - Female Campus, 3 January 2023.
- **Workshop: Achieving Sustainability in Taif ... Requirements and Capabilities** تحقيق الاستدامة البيئية في الطائف...المتطلبات والامكانيات, at Taif University – Faculty of Engineering - Female Campus, 8 December 2020.
- **Workshop: Renewable Energy in Buildings** الطاقة المتجددة في المباني, at Taif University – Faculty of Engineering - Female Campus, 26 November 2019.
- **Workshop: Green Smart Cities** المدن الخضراء الذكية, at Taif University – Faculty of Engineering - Female Campus, 5 November 2019.
- **Workshop: Introduction for scientific research** تقديم البحث العلمي, at Taif University – Faculty of Engineering - Female Campus, 30 March 2019.
- **Workshop: Why to be an Architect**, at Taif University – Faculty of Engineering - Female Campus, 27 March 2019.
- **Training Course: Engineering design with AutoCAD**, at Taif University – Faculty of Engineering - Female Campus, six hours weekly from 11 March 2019 to 25 March 2019.
- **Training Course: Worked as a pioneering assistant in preparing a university staff member** course in the faculty of Women, *Ain Shams University*, September 2006.

OBTAINED TRAINING COURSES

- **The program's operational plan and its completion report** الخطة التشغيلية للبرنامج وتقرير إنجازها, Online, Taif University, 15 May 2024.
- **How to meet the fourth standard (faculty) of the academic program accreditation standards 2022** كيفية استيفاء المعيار الرابع (هيئة التدريس) من معايير الاعتماد الأكاديمي البرامجي 2022, Online, Taif University, 27 September 2023.
- **How to fulfill the third criterion (students) of the 2022 academic program accreditation standards** كيفية استيفاء المعيار الثالث (الطلاب) من معايير الاعتماد الأكاديمي البرامجي 2022, Online, Taif University, 4 September 2023.

- **Course Report 2020 Edition (in Arabic)** (باللغة العربية) إصدار 2020, Online, Taif University, 29 August 2023.
- **How to meet the second criterion (teaching and learning) of the academic program accreditation standards 2022** (كيفية استيفاء المعيار الثاني (التعليم والتعلم) من معايير الاعتماد الأكاديمي البرامجي 2022), Online, Taif University, 24 May 2023.
- **How to meet the first criterion (program management and quality assurance) of the academic program accreditation standards**, (كيفية استيفاء المعيار الأول (إدارة البرنامج وضمان جودته) من معايير الاعتماد الأكاديمي البرامجي 2022), Online, Taif University, 2 April 2023.
- **E-Learning using ASU2Learn (Advanced level)**, Training and development center - Ain Shams University, 29 – 30 March 2023.
- **Managing A Research Team**, Training, and development center - Ain Shams University, 22 - 23 March 2023.
- **Financial aspects of university business** (الجوانب المالية في الأعمال الجامعية), Training and development center - Ain Shams University, 20 – 21 March 2023.
- **Electronic archiving of program accreditation**, Taif University, online, 21 March 2023.
- **Governance and its Role in Performance Improvement**, Training and Development Center - Ain Shams University, 15 – 16 March 2023.
- **Legal aspects in university work for faculty members** (الجوانب القانونية في الأعمال الجامعية لأعضاء هيئة التدريس), Training and development center - Ain Shams University, 13 – 14 March 2023.
- **Organizing International Conferences**, Training and Development Center - Ain Shams University, 6 – 7 March 2023.
- **Career Counseling Skills for Students**, at Taif University – Faculty of Engineering - Female Campus, 27 December 2022.
- **Thinking outside the box**, at Taif University – Faculty of Engineering - Female Campus, 16 November 2021.
- **Principles of Drawing**, at Taif University – Faculty of Engineering - Female Campus, 4 March 2021.
- **Preparing the course files under the Corona pandemic**, at Taif University – Faculty of Engineering - Female Campus, 7 December 2020.
- **SWOT Analysis for Strategic Plan of Engineering Collage**, at Taif University – Faculty of Engineering - Female Campus, 12 November 2019.

- **Egyptian Knowledge Bank** (بنك المعرفة المصري), Training and Development Center - Ain Shams University, 7 – 8 July 2019.
- **Strategic planning** (التخطيط الاستراتيجي), at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, 7 – 8 July 2019.
- **Course Report Preparation**, at Taif University, University Development Deanship in Taif University, April 2019.
- **Types and Criteria of Evaluation and Analysis of Results** (أنواع التقييم ومعايير تحليل النتائج), at Taif University, University Development Deanship in Taif University, April 2019.
- **Course Description and Field Experience** (توصيف المقرر والخبرة الميدانية), at Taif University, University Development Deanship in Taif University, March 2019.
- **Learning styles and modern teaching strategies** (أنماط التعلم والاستراتيجيات الحديثة في التدريس), at Taif University, University Development Deanship in Taif University, March 2019.
- **Introducing the Deanship of Scientific Research Updates** (التعريف بمستجدات عمادة البحث العلمي), at Taif University, University Development Deanship in Taif University, March 2019.
- **Organizing scientific conferences** (تنظيم المؤتمرات العلمية), at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, September 2015.
- **Time management and meetings** (إدارة الوقت والاجتماعات), at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, August 2015.
- **University administration** (الإدارة الجامعية), at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, August 2015.
- **Ethics of Scientific Research** (أخلاقيات البحث العلمي), at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, August 2015.
- **Effective teaching Course** (مهارات التدريس الفعال), at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, August 2013.
- **Energy Efficiency in Buildings Course**, at Housing and Building National Research Center, May 2007.

- **Effective presentation skills Course**(مهارات العرض الفعال) , at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, July 2006.
- **Effective communication skills Course**(مهارات الاتصال الفعال) , at Ain Shams University, related to The Project of developing the skills of the teaching staff and leaders in Ain Shams University, July 2006.
- **Methods of scientific research Course**(أساليب البحث العلمي) , at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, June 2006.
- **Effective teaching Course**(التدريس الفعال) , at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, May 2006.
- **The Credit-hours system Course**(نظام الساعات المعتمدة) , at Ain Shams University, related to The Project of developing the skills of the teaching staff and stakeholders in Ain Shams University, May 2006.
- **Preparing A University staff member Course**(الدورة التدريبية) , in the Faculty of Languages- *Ain Shams University*, August- September 2005.
- **Qualifying Course for postgraduate students**, at The Faculty of Engineering- *Ain Shams University*, 25 July to 2 August 2004.
- **Qualifying Course for postgraduate students**, at The Faculty of Engineering- *Ain Shams University*, July - August 2001.

RESEARCH ACTIVITIES

Contributed to the evaluation of some scientific research:

Submitted: A Comparative Study of School Design Criteria in Egypt, Saudi Arabia, and USA Collaborative for High-Performance Schools (CHPS), Journal of Umm Al-Qura University for Engineering and Architecture,

Accepted: • Adil A. M. Omaraa,b,1, Abuelnuor A. A. Abuelnuorb,c,2 and Osman H. A. Fadul, **Low-exergy building using renewable energy for indoor thermal comfort: Experimental study and thermodynamic analysis**, International Conference on Computer, Control, Electrical, and Electronics Engineering 2020 (ICCEEE20) UMST University – Khartoum – Sudan (<https://ieeexplore.ieee.org/document/9429671>)

Accepted: • Abuelnuor A. A. Abuelnuor, Abubaker A. M. Mohammedali, Adil A. M. Omara, Sara A. M. Wedaa, Mohammed Omer Abdalwahab Mohammed, Al-Hassan Fadi Alatti Al-Hassan Ahmed, El-Moez Elgenaid Elamin Mohamed, **Thermal comfort in academic buildings at Khartoum locality: A case study**, International Conference on Computer, Control, Electrical, and Electronics Engineering 2020 (ICCCEEE20) UMST University – Khartoum – Sudan (<https://ieeexplore.ieee.org/document/9429574>)

Accepted: • Nicholas Addai Boamah, **Households Characteristics and The State of Housing in The Offinso South Municipality (Osm), Ghana**, Environment, Development and Sustainability (Environ Dev Sustain) - Publisher: Springer Verlag, 17(6):1-16, December 2014. (https://www.researchgate.net/publication/271133097_The_impact_of_households_characteristics_on_the_state_of_housing_in_the_Offinso_South_Municipality_OSM_Ghana)

Withdrawn: • Olympic Urbanization and social and Environmental Degradation in Rio de Janeiro Metropolitan area, Brazil, Environment, Development and Sustainability (Environ Dev Sustain) - Publisher: Springer Verlag, 2015.

Accepted: • Yasmine Sabry Hegzia, Noura Anwar Abdel-Fatah, **Quantifying Students' Perception of Deconstruction Architecture**, Ain Shams Engineering Journal, Volume 9, Issue 4, December 2018, Pages 2745-2754. (<https://www.sciencedirect.com/science/article/pii/S209044791730120X>)

Supervision of Completed Scientific Thesis

• Sabrin Eid Khalaf Mohammed, **Achieving Thermal Comfort through Biomimicry Principles Using Digital Architecture (Case Study: Desert Environment)** (تطبيقات العمارة الرقمية في محاكاة البيئة) (حالة دراسية: البيئة الصحراوية) الطبيعية لتحقيق الراحة الحرارية (البيئة الصحراوية), Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2020.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

• Radwa Mohammed Nabil Ramadan, **Raising the Efficiency of Medical Building through the Application of the Principles of Bio-Architecture** (رفع كفاءة المباني العلاجية من خلال تطبيق مبادئ العمارة الحيوية), Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2020.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

• Mahmoud Ahmed Abdel Salam, **Developing Smarter Homes for Elderly and Disabled People**, Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2019.

Supervision: Ahmed Atef Faggal – Amal Kamal Shamseldin

- Fadia Abdel-Raoof, **Impact of Man-Made Forest on Sustainable Urban Communities** (أثر تصميم الغابات الصناعية التي تروى بمياه الصرف الصحي المعالج على تكوين مجتمعات عمرانية مستدامة) Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2019.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

- Mohammed Salah Abdulrahman AL Hadithi, **Green Retrofitting for Buildings of Modern Movement in Baghdad** (إعادة التأهيل البيئي لمباني عمارة الحداثة في بغداد "بتضمين مفاهيم العمارة الخضراء"), Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2019.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

- Rana Nageeb Elsayed Ali, **The Impact of Using Semi-Transparent Photovoltaic in Office Buildings Facades on Improving Indoor Thermal Performance in Egypt**, Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2019.

Supervision: Ahmed Atef Faggal – Amal Kamal Shamseldin

- Aya Ramadan Lotfy Ramadan, **Applying Performative Materials in Architectural Envelope**, Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2019.

Supervision: Hazem Talat Eldaly – Amal Kamal Shamseldin

- Nessma Salem Mahmoud Hamdy, **The Use of Kinetic Facade in Enhancing Daylighting and Occupant's Visual Comfort in Educational Spaces**, Master of Engineering, Faculty of Engineering – Ain Shams University, 2018.

Supervision: Amal Kamal Shamseldin

- Passent Ahmed Aly, **An Approach For Achieving Energy Efficiency In The Tourist Villages (Canary Tourist Village In Port Said)** (منهج لرفع كفاءة استخدام الطاقة في القرى السياحية (قرية الكناري السياحية) (منهج لرفع كفاءة استخدام الطاقة في القرى السياحية (قرية الكناري السياحية) (منهج لرفع كفاءة استخدام الطاقة في القرى السياحية (قرية الكناري السياحية) Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2018.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

- Walaa Elmeadawy Abd Elsalam Farag, **Application of Nano Technology to Achieve Green Architecture** (تطبيقات تقنية النانو للوصول إلى عمارة خضراء), Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2018.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

- Mona Mustafa Abd El-Latif, **Using Building Information Modeling as a Tool in Green Building Rating Systems** (استخدام نمذجة معلومات البناء كأداة في نظم تقييم المباني الخضراء), Master of Engineering, Faculty of Engineering – Ain Shams University, 2018.

Supervision: Amal Kamal Shamseldin

- Lamiaa Mohamed Basiony, **using simulation to optimize the thermal performance of existing residential buildings (Case study: Residential buildings in Tanta)** (استخدام برامج المحاكاه فى تحسين (الاسكان المتميز للشباب في مدينه طنطا)) Master of Engineering, Faculty of Engineering – Ain Shams University, 2018.

Supervision: Amal Kamal Shamseldin

- Bishoy Magdy Tawfeeq Sidhom, **Smart Facades as an Approach to Reduce Thermal Loads for Residential Buildings in Egypt** (الواجهات الذكية كأحد الحلول لتقليل الأحمال الحرارية للمباني) Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University, 2018.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

Supervision of Uncompleted Scientific Thesis

- Mohamed Ahmed Ali Mustafa, **towards new building material to achieve energy saving in Egypt (Special references in karshif stone in Sewa Oasis.)**, Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University.

Supervision: Ahmed Atef Faggal – Amal Kamal Shamseldin

- Lamiaa Ahmed Fouad Ahmed Mabrok, **Implementation of Green Rating Systems in Egyptian National Housing Project** (تفعيل أنظمة التقييم للعمارة الخضراء في مشروع الإسكان القومي بمصر) Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University.

Supervision: Morad Abdelkader Abdelmohsen – Ahmed Safwat Eisa – Amal Kamal Shamseldin

- Alaa Fathy Mohammed, **Retrofitting of University Buildings as Smart Buildings** (تأهيل المباني الجامعية كمبان ذكية) Master of Science Degree in Architecture, Faculty of Engineering – Ain Shams University.

Supervision: Morad Abdelkader Abdelmohsen – Amal Kamal Shamseldin

- Norhan Hasanen Fares, **Technological Revolution, and its Impact on Housing Sustainability** (الثورة التكنولوجية ومدى تأثيرها على استدامة المسكن) Master of Science Degree in Architecture, Faculty of Engineering – Cairo University.

Supervision: Hesham Sameh Hussien Sameh – Amal Kamal Shamseldin

PUBLISHED RESEARCHES

Individually:

Environmental Assessment for Sustainable Educational Spaces: Optimizing Classroom Proportions in Taif City, KSA. Sustainability, Vol. 17, No. 7 (2025)
(<https://doi.org/10.3390/su17073198>).

Modification of Walls' Thermal Resistance Value in the Saudi Building Code According to a Comprehensive Green Assessment, Environmental Research, Engineering and Management (EREM), Vol. 80, No. 4 (2024), 12 December 2024
(<https://doi.org/10.5755/j01.erem.80.4.36922>).

- ***Proper maintenance way for the multifunctional windows,*** Engineering Review Journal, Vol. 43 No. 2, 2023, 2 August 2023, Pages 1-23. (<https://doi.org/10.30765/er.2008>)

- ***Adaptation opportunities for balconies to achieve continuity of their environmental functions,*** Alexandria Engineering Journal, Volume 67, 15 March 2023, Pages 287-299
(<https://doi.org/10.1016/j.aej.2022.12.037>)

- ***Proposed role of the local Saudi building codes in assessing the energy performance of buildings in KSA's GBRS,*** Ain Shams Engineering Journal, Volume 14, Issue 5, May 2023, 101966
(<https://doi.org/10.1016/j.asej.2022.101966>)

- ***Improvement of the Psychological Lighting Effect Assessment in the Environmental Building Rating Systems,*** Journal of Sustainable Architecture and Civil Engineering, Volume 29, Issue 2, October 2021, Pages 102-120 (<https://doi.org/10.5755/j01.sace.29.2.28475>)

- ***The Use of Energy Values in the Environmental Assessment of Buildings,*** International Journal of Bioengineering & Biotechnology, Vol. 3, No. 4, August 2018, Pages 30-40.

(<https://api.semanticscholar.org/CorpusID:198613775>)

- ***Unifying some variables' effects among different environmental assessment methods of buildings,*** Housing, and Building National Research Center (HBRC) Journal, Volume 14, Issue 1, April 2018, Pages 93-103. (<https://doi.org/10.1016/j.hbrcj.2016.01.006>)

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(<https://www.amazon.in/Assessment-Technique-Comfort-Requirements-Buildings/dp/3659664952>)

COMPETITION CONTRIBUTION

Contributed to the competition for the design *of Squares and Streets in Government and Financial districts of the New Administrative Capital*, 2018.

AWARDS

Obtained the ***Award of Science*** from Ain Shams University in 2003.

Obtained the ***first-place award*** with teamwork in the competition for the design of Squares and Streets in the Government and Financial districts of the New Administrative Capital, in 2018.

COMPUTER SKILLS

General: Windows and MS Office applications.

Design software: AutoCAD-2D, AutoCAD-3D

FURTHURE KNOAWLEDGE

Wide Knowledge about Green Architecture and Assessing Buildings according to Sustainable principles, Knowledge about Building Assessing Methods such as LEED and BREEAM.

LANGUAGE SKILLS

- Arabic: Perfect verbal and written command.
- English: Good verbal and written command.

PERSONAL INFORMATION

- Marital status: married.
 - Nationality: Egyptian.
 - Date of Birth: 29/10/78.
 - Hobbies: Drawing and design
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