



## **Sawsan Abdelaziz Omer Mohamed** **MSc, Architect**

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### **QUALIFICATIONS:**

**Msc Renewable Energy and Architecture:** Department of Architecture & the Built Environment, Faculty of Engineering, the University of Nottingham, UK.

Thesis research includes:

- Examines the integration of passive and active renewable energy systems into the fabric of buildings.
- Introduction the use of simulation techniques and laboratory/engineering methods for analyzing environmental performance.
- Integration of sustainable technologies to of producing environmentally friendly buildings.

**Bachelor of science in Architecture:** Faculty of Engineering and Architecture, University of Khartoum, Sudan.

### **ACADEMIC EXPERIENCE:**

**Instructor of architectural Engineering (Full time) College of Engineering Alfaisal University, Riyadh, KSA Assigned courses(2014-Present):**

- Drafting and Drawing Studio.
- Architectural Design Studio I.
- Architectural Design Studio II.
- Construction Drawing CAD.
- Interior Design Studio.
- Architectural Design III.
- Building Services Engineering-Lab.
- Architectural engineering Capstone Projects.

**University lecturer (Full time) Faculty of Architecture, University of Al-Mughtribeen, Khartoum, Sudan (2year)**

- Teaching courses:
  - Architectural Design I.
  - Architectural Design II.
  - Theory and History of Architecture.
  - Building construction.
  - Urban Planning.

Graphic course.

- Follow-up students design projects.
- Academic supervisor.
- Administrative Jobs.
- Member of university committee to study and develop the staff job specification and performance.

**University lecturer, Dept. of Architecture, Khartoum College of Applied sciences (Adjunct):**

- Teaching "Architectural sciences" 2<sup>nd</sup> year.
- Teaching 2D&3D AutoCAD (Graphical software).
- A critic in multiple design studios, including the graduating senior class.

**The Future University, Khartoum-Sudan.**

- Dissertation supervisor (for graduate students).

**Teaching Assistant Faculty of Architecture, University of Khartoum:** Teaching courses:

- Design studio (First Year and second year).
- Building construction.

## **ARCHITECTURAL PROFESSIONAL EXPERIENCE:**

**Architect and City planner:** Ministry of Planning & Urban Development, Dept. Of Planning /dept. of buildings & development control- building (6 years).

Duties:

- Urban planning, designs and preparing planning studies.
- Revisions of architectural technical drawings to be licensed.
- Buildings evaluation, supervision of construction project, (mostly representing the ministry as the owner)
- Designs and supervision of Buildings.

**Architect at Halim Architecture & Consultancy (HAC) (2years).**

Duties:

- Designs of several building types using CAD graphic tools.
- Supervise under construction sites.
- Preparing bills of quantities and general specifications for buildings.
- Produce regular reports.

**Establish with two partners a private firm " ESE Consultancy",** Specialize in Architectural, Planning and Environmental Consultancy.

- In a team work; participate in planning of Blue Nile City's Project (BNC) in Khartoum east.
- In a teamwork with Sogatraa contractor company planning of Al\_Naseem City planning.
- Several Town planning projects.
- Full set Designs Of several types of buildings and engineering Projects.
- Incorporate with Halim Architectural Consult Designed Of Residential Buildings, Commercial Complex, Administration Buildings, others.

## **PROFESSIONAL TRAININGS:**

**2002** Engineering Administration, Architecture designs Dept., University of Khartoum.

**2002** Arab Contractors, Administration and Technology \_ Egypt.

**2001** Concrete Engineering Company Ltd.

## **WORKSHOPS AND COURSES:**

Report Step-By-Step Workshop (Spring, 2018).

Train the Trainer Workshop, Course Report Step-by-Step workshop.

Self-Evaluation Scales completion Workshop. 2012 The

Real estate course.

The Faculty of Engineering, University of Sudan (120hours course).

2012 Mind Maps, training session.

Asakina Training Center (two hours).

2011 Sudan Project Management (Forum).

2011 Health & Safety in building \_Training course .

Sudanese Centre for Engineering and Environmental Studies (SCEES).

2011 Improvement of Urban Behavior.

Khartoum structure plan unit.

2006 Course about Urban Planning & Land Management, Academy for Administrative Sciences-Khartoum, Sudan.

2006 Workshop Participate on Design For Children & Disables.

## **SKILLS:**

- Graphical software:  
Autodesk softwares: AutoCAD, Revit Architecture and Revit MEP.  
Archicad, ArchiCAD MEP.  
Sketchup.
- Photoshop
- Energy and environmental simulation software:  
Fluent and Gambit software: Both investigate the airflow inside and around the building using CFD computational Fluid dynamic and Modeling.  
ECOTECT software: Simulate the thermal performance of buildings using Sefaira.
- Ability to develop Visual Basic program: used to buildings energy simulations.
- Primavera Project Planner(P3) a rich, intuitive graphical interface for planning and scheduling complex projects
- Microsoft: MS Word, Excel and PowerPoint.
- Bilingual in Arabic and English.
- Comfortable with team work and leading groups.
- Good conversationalist to enable the job done in the most efficient possible way.
- Ability to conduct intensive Researches.

## **ACTIVITIES AND INTERSTS:**

- Member of many university committees:  
ABET sub-committee.  
Laboratories committee.  
Library development committee.  
Students' affair committee.  
Activities committee.  
Capstone committee.
- Jury critic member of Engineering Design Expo and Competition, AU (Spring 2018, 2019).
- Jury critic member of Engineering Research Poster Competition.
- Membership in World society of sustainable energy technologies (WSSET).
- Membership in Sudanese Architect Society.
- Voluntary social work with local women's Associations.
- Travelling, swimming, planting and reading.