

## Binaee Yaseen Raof

MSc., Renewable Energy and Architecture, BSc. Architectural Engineering

Assistant Professor.

Consultant Architect.

### **Education:**

<b>Name of school, Departments, College/University, state Country</b>	<b>Start date</b>	<b>Date awarded</b>	<b>Qualification</b>	<b>Over all grade</b>
School of Architecture and Built environment. College of Engineering/ University of Nottingham/Nottingham-United Kingdom	Oct.2012	Oct.2013	M.Sc. Renewable Energy and Architecture	<b>%93</b>
Architectural Department, collage of Engineering/University of Sulaimani University/ Iraq	Oct.2002	Jul.2007	B.SC.	<b>%65</b>
Jamal Tahir Preparatory School Sulaimany-Iraq	Oct.1999	Jul.2002	Baccalaureate	<b>%91</b>

### **Studying Fields at Architectural Department, College of Engineering/Sulaimany University/ Sulaimany- Iraq:**

Architectural design, Descriptive geometry, Building material, Art and architecture, Freehand drawing, Perspective geometry, Interior and landscape design, Principle of planning, Urban planning, Urban design, Advanced theory of design, AutoCAD, Climate and acoustics.

**Studying Fields at the School of Architecture and Built Environment. College of Engineering/ University of Nottingham/Nottingham-United Kingdom:**

The built environment, Renewable energy technology, Renewable research project, Ventilation in architecture and planning, Solar architecture for different regions, Building design in different climates, Modelling energy performance, and Research methodology.

**Occupation:**

<b>Name and address Of Employer</b>	<b>From</b>	<b>To</b>	<b>Position</b>
Sulaimany Polytechnic University	Oct.2018	Now	Teaching Staff at Technical College of Engineering- City planning Department
Cihan University- Sulaimany Campus – Part time	Oct.2015	Now	Teaching Staff at the Faculty of Engineering-Architectural Department
Koya University	Oct.2014	Oct.2018	Teaching Staff at the Faculty of Engineering-Architectural Department
Directorate of Investment in Sulaimany	Feb.2009	Oct.2014	Senior Architect
Municipality of Sulaimany	Nov. 2007	Feb. 2009	Architect

**Teaching Experiences:**

<b>Department</b>	<b>Subject</b>
Architectural Engineering	Building Construction II/ Second stage
	Architecture Design /Fourth stage
	Architectural Environment and Acoustics / Fourth stage
	Free Hand II / Second stage
	Principle of Planning / Second stage
	Building Construction, I / First stage
	Building Element / Second stage
	Architecture Design / Third Stage

	Local and Kurdish Vernacular Architecture / Fifth stage
	History of Architecture I / Second stage
	History of Architecture II / Third Stage
	Architecture Design / Second Stage
City Planning Department	Architecture Design / Second Stage
	Environmental planning and Sustainable Development
	Land use Planning and Zoning, / Regional Planning
	Landscape Design and Planning

### **Skills**

Teaching.

Architectural Design.

Project Management.

*Computer Graphics:*

Auto CAD.

SketchUp

*Computer modeling and simulation:* CFD Software.

Ecotect.

Energy Plus.

Visual Basic.

TAS

*Language Skills:* Speak, Read and write English and Arabic fluently.

### **Research Experiences:**

Oct.2014-Oct.2015 Member at Research Centre- Faculty of Engineering -Koya University

Oct.2018-Oct-2019 Member of (Sustainable and Renewable Energy) Group Research Center-SPU

Oct. 2018- Oct.2021 Member of Research Center-SPU.

### **Committee Participation:**

1- Head and member of several Scientific, Academic, and Engineering committees during the service period.

2- Member of several committees of Sulaimani Polytechnic University and Cihan University /Sulamani.

### **Professional Experience**

Dec.2018 – Present Director, Scientific Affairs and Higher Education, Sulaimani Polytechnic University

Oct.2014 -Present Academic Staff, Teaching, and Graduation Project Supervision.

Oct. 2013 -Oct.2014 Checking the architectural design of Sulaimany's Investment projects.

Feb.2009-Oct.2011 Following up the Investment Projects.

Feb.2009-Oct.2010 Supervising projects inside and outside Sulaimany city.

Nov.2008 -Feb.2010 Designing some projects as a group, such as Residential units, Trading buildings, and Tourist projects.

Nov.2007-Dec.2008 Participated in checking a Master plan. Sulaimany's city

Nov.2007-Oct. 2008 Group work for collecting data about the historical and heritage buildings in Sulaimany city center

### **Training course**

1. 2010 English training course at the American University of Iraq-Sulaimany.
2. 2012 A course to develop my English skill at CELE (Centre for English Language Education) at the University of Nottingham, Nottingham-United Kingdom.
3. 2014 Teaching Method Course.
4. 2019 Iraq publishing workshop (Academic Writing).

### **Journal Publications**

1. Producing Contextuality in Koya City Lessons Learned from Other Cities.
2. The Correlation Between Building Shape and Building Energy Performance.

3. Developing Vernacular Passive Cooling Strategies in Kurdistan-Iraq.
4. The Thermal Performance of Vernacular Houses as An Identity of Kurdish Traditional Architecture.
5. Promoting Walkability in Streets: Analytical Study of Salem Street, Sulaimani, Iraq.
6. Feasibility Study of Concrete Louvers for High-rise Residential Buildings in Terms of Cooling Energy Requirements.
7. Evaluation of Applying Urban Features Design Guides Concerning their Environmental Impact Inside Residential Complexes.

### **Conference Participation:**

People and Buildings MC2013 conference. A conference for Masters Students in sustainable buildings organized by NCEUB. Held at Westminster University,

- Conference Paper “**Impact of concave and convex façades on building solar and energy performance**” published in Network for Comfort and Energy Use in Buildings MC2013-P30.
- Conference paper “**Urban safe haven planning and design**” May 2017 International Research Conference on Civil, Architectural and Environmental Engineering (IRCCAEE-17) ,

### **Field of Interest:**

Architectural design, urban design, integrating renewable energy technology within building, sustainable design, energy performance of a building, environmental planning.