

# **FENK DLAWAR MERAN**

**MSc. Sustainable building and Environment**

**Ph.D. Student, Sustainable Architecture**

## **AREA OF INTEREST**

Sustainable architecture, environmental design, Building retrofits, heritage building, Building performance, passivhaus, preservation of historical building

### **ADDRESS:**

Department of Architecture College of Engineering,

Salahaddin University –Erbil 44002

E-mail: [fenk.miran@su.edu.krd](mailto:fenk.miran@su.edu.krd)

Phone: +9647504302963



### **Biography**

Mrs. Fenk is a Lecturer in the Department of Architecture at University of Salahaddin-Erbil, Kirkuk road, Erbil City, where she has been a faculty member since 2009. She obtained her BS in Architecture from Salahaddin university–Erbil. She continued her M.Sc. in in Sustainable Building and Environment at Newcastle University -United Kingdom. She has been awarded with a HCDP (Human Capacity Development Program) Scholarship to study master degree in the UK as she graduated ranking first on the department during her bachelor degree. Know she Ph.D. students in Salahaddin university and her thesis is about (Sustainable retrofitting strategies for historical building ).

Her research interests include Sustainable Architecture, Environmental Design in Architecture, Building Technologies and Physics, Building Performance Simulation, Heritage building and Historical retrofits . Considering architectural design within a broad social, environmental and economic context.

Her researches mainly focused on interactions between the built environment, the natural environment, and political economy in Kurdistan region. Hence she is now exploring the sustainable strategies for retrofitting heritage building , thus in order to investigate and elaborate the potentials in restoration and retrofitting of the heritage buildings in Kurdistan region as a case study. The thesis will be integration between retrofitting, historical building and BIM techniques.

She is been teaching Architectural design studio (First stage) and Environment (Fourth stage) since 2013. And she was also a member of Higher education program in Salahaddin university –Erbil (teaching Higher Diploma degree with Architecture Environment 2020/2021).

### **QUALIFICATION:**

- **Currently Ph.D student at salahaddin university .**
- 2012-2013 Master – Newcastle University –England UK  
Rank (2) in the class of ( 7 )students
  - **“Stimulation the energy performance of integrate traditional design element with modern architecture through IESVE.” Supervised by dr.Neveen Hamza**
- 2004–2009 Bachelor –Salahaddin University –Erbil –Iraq Rank (1 )in the class of (17) students

### **EMPLOYMENT EXPERIENCE:**

- 2013–till now Lecturer in Salahaddin University-Architectural department

### **PROFESSIONAL QUALIFICATION/MEMBERSHIP/AFFILIATION:**

- Kurdistan Engineers Union/Erbil.
- Kurdistan Book Society (NGO)

### **RESEARCH INTERESTS:**

- Sustainable Architecture, Environmental Design in Architecture, Building Technologies and Physics, Landscape, Vernacular Architecture and Architectural Design. Building Performance simulation ,Urban Performance Simulation, building retrofits strategies, heritage building. Historical public building

### **TEACHING EXPERIENCE:**

- 2009-2011 As an architect teaching (Architecture Design, Landscape design, city planning, Urban design, Freehand) in Architecture Department ,SUH.
- 2013-2014 As Lecturer assistant teaching (Architecture Design 4<sup>th</sup> year, Landscape design 4<sup>th</sup> year, city planning 3<sup>rd</sup> year, General English 1<sup>st</sup> year ) in Architecture Department ,SUH.
- 2014-2015 As an A. Lecturer assistant teaching (Architecture Design 1<sup>st</sup> , Landscape4<sup>th</sup> year , Architecture design 5<sup>th</sup> year) in Architecture Department ,SUH.
- 2018-2019 Lecturer assistant teaching (Architecture design 1<sup>st</sup> , Architecture Environment 4<sup>th</sup> ) in Architecture Department ,SUH.

### **Committees:**

- 1- Department of Architecture Quality assurance committee (Member) 2015-2016
- 2- Department of architecture Exam committee (member) 2015-2016
- 3- Department of Architecture Quality assurance committee (Chair) 2018-2019

## **Main publications:**

- 1- -Evaluation of the Optimal Solar Shading Devices for Enhancing -Daylight- Performance of School Building. (A case study of semi-arid climate – Erbil city) **ZANCO Journal of Pure and Applied Sciences** “The official scientific journal of Salahaddin University-Erbil”
- 2- Realization of sustainability through rationalization of water consumption for domestic.(Case study of Erbil city – Iraq) ) **ZANCO Journal of Pure and Applied Sciences** “The official scientific journal of Salahaddin University-Erbil”
- 
- 3- Retrofitting of a historic public building for energy efficiency: exploring measurements and attitudes for heritage conservation professionals. 2020, Journal of Building Performance.
- 4- The revival of traditional passive cooling techniques for school buildings through windcatchers. International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies 2020.

## **EMPLOYMENT EXPERIENCE:**

- Working in (**NAMROD COMPANY FOR COUSULTING ENGINEERING**) for one year from 2007-2008 participation on designing and supervising of the dealership facility in Erbil – Iraq and Supervising on shopping Centre (Mega mall) –Erbil city.
- Working in (**SPAS COMPANY FOR COUSULTING ENGINEERING**) 2009-2010 participating on redesign and preparing architectural and construction drawing to the Kirkuk main road -Kirkuk governorate (**DOMEZ** crossing bank). Also participating on designing alternative solution for the traffic jam in specific traffic point of **KIRKUK** city.
- Working for (**BUNYAN CONSULTANT ENGINEERING BUREAU**) as a Founding member and a practitioner architect since it founded in 2010 till now. Participating as an architect in designed and preparing set of architecture drawing for several important projects in Erbil city like:
  - I. Design and supervision of (**ALTUN CITY** ) neighborhood, which contains 700 units on an area of 250,000 m<sup>2</sup> with all buildings and service facilities attached to the project.
  - II. (**KHANZAD TOURIST VILLAGE**) area of an area of 300000 m<sup>2</sup>. (Under construction) .
  - III. Design of **Al-Mustafa tourist village** in Shaqlawa on a land of 45000 m<sup>2</sup>. (Under Construction)
  - IV. Design of the Commercial City on a land of 2500000 m<sup>2</sup>. (Under Construction)
  - V. Design of the **Irish Village** which contains a 1000 houses and a 1000 apartments in various sizes on a land of 2500000 m<sup>2</sup>. (Proposal)
  - VI. Design of a **Shampoo factory** in Ranya. (Under Construction.)
  - VII. Design of a **Sodium Chloride factory** in Erbil. (Under Construction)
  - VIII. Design of a residential complex ( **SHARI MAMOSTAYAN** ) for the Employees of the Ministry of Higher Education in Erbil on a land of 440 Acres, containing 4000 units (2800 apartments and 1200 houses). (Under Construction)
- Working on some private designs such as houses, , commercial buildings, , interior design, and building simulation project.
- Landscape design for three open area in College of engineering –Salahaddin University-ERBIL
-

## COMPUTER SKILLS

3Ds Max, AutoCAD, Sketch up, Ecotect , Environmental simulation programs, Photoshop, Microsoft Office Programs and IT

### Training courses

- Training Course as trainer in Global Solutions Sustainability Challenge 2022-01-10 - 2022-01-11
- Facilitator in Global solution sustainability challenge spring 2022 and her team was awarded for obtaining the second place in the competition. Please see the attached.



- Currently training course with **IFPO** \* **AGIR-Hifaz project**\* see the attached



## GLOBAL SOLUTIONS SUSTAINABILITY CHALLENGE

To Whom It May Concern,

This letter is to confirm that **Fenk Miran and Hawnaz Ado** co-facilitated a binational team during Cohort VI of the Global Solutions Sustainability Challenge program composed of students from Salahaddin University in Kurdistan Region of Iraq and Highline College in the United States over eight weeks and **placed second at the Virtual Global Business Expo**.

[Global Solutions](#) is a virtual exchange program supported by the Stevens Initiative, which is sponsored by the U.S. Department of State with funding provided by the U.S. Government and is administered by the Aspen Institute. It is also supported by the Bezos Family Foundation and the governments of Morocco and the United Arab Emirates. Through the Global Solutions program, IREX implements two virtual exchanges: the Global Solutions Sustainability Challenge and Global Solutions Conversations.

The [Global Solutions Sustainability Challenge \(GSSC\)](#) is an eight-week, virtual business competition with college students paired on binational teams from the United States, Iraq, and Jordan. GSSC is a project-based virtual exchange that equips students to collaborate to solve global sustainability issues in and for businesses through the creation of an innovative business concept and prototype. During Cohort VI, 14 binational teams of students collaborated virtually from February 2022 to April 2022 to find sustainable solutions to real needs in their communities.

At the Virtual Global Business Expo, Fenk and Hawnaz's binational team was selected to present their pitch live to a panel of judges who then selected their binational team within the top three teams. As the Second-Place team, they have been awarded a small grant to further develop their business concept.

Best,

Lindsey Powers  
Senior Program Officer II IREX; Education Practice



Stevens  
Initiative



University of Babylon - Tikrit  
 College of Engineering  
 Department of Aeronautics



دانشگاه بابل  
 کالج مهندسی  
 دانشکده هوافضا

تاریخ: 2022-4-20  
 شماره: 50

**ب/ا پروپوز رانگری کوانتومی پیشنهادی**  
**ب/ا کاندیدانان پروژه گراس (AGIR - Hifaz)**

سلام و احترام  
 نامه به ریاستشده (2022-1-09) حاوی فاینال لیست و انتخاب صلاحیتها و رتبه بندی IFPO در امراسی - تکلیف برآمده از مقررین به صورت منتهی است. این کاندیدانان مورد توجه و پیشنهادی است که پروگرام (AGIR - Hifaz) جهت تکمیل پروگرام (1-1) علاوه بر این کاندیدانان است. (15 کاندید) برای تکمیل این پروگرام و پیشنهادی.

امکانت زینا

ب. ا. ف. صلاح الفیض باسین مدیر  
 معاونین دانشکده هوافضا

List of selected candidates for AGIR-Hifaz project

Rank	Name	Department	Academic Qualification
1	Dr. Shadia Elshorbagy	Aeronautics	PhD, Lecturer in Aeronautics
2	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
3	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
4	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
5	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
6	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
7	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
8	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
9	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
10	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
11	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
12	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
13	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
14	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics
15	Dr. Hany Elshorbagy	Aeronautics	Lecturer in Aeronautics