

# Jenan Abu Qadourah PhD, MSc, BSc

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**Academic Rank:** Assistant professor

**Scopus Profile:** <https://www.scopus.com/authid/detail.uri?authorId=57483250600>

**Google Scholar Profile:** <https://scholar.google.com/citations?user=K2PCfUgAAAAJ&hl=en>

**ResearchGate Profile:** <https://www.researchgate.net/profile/Jenan-Abu-Qadourah/research>

## RESEARCH INTEREST

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- Environmental Control in Buildings
- Energy efficiency
- Thermal comfort
- Sustainable and Green Architecture
- User behavior and energy consumption
- low-carbon and renewable technologies
- Building integrated Photovoltaic

## EDUCATION

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**2016-2020**

Berlin University of Art (UdK)

Degree: Ph.D.

Supervisor: Prof. Dr.-Ing. Christoph Nytsch-Geusen

Thesis title: Architectural integration of photovoltaic and solar thermal technologies in multi-family residential buildings in the Mediterranean area, case study of Amman, Jordan.

**2014 - 2015**

Cardiff University /welsh school of architecture

Degree: Master

Major: Environmental design in buildings.

Master thesis: The effect of ventilation on thermal comfort and energy consumption of single-family house in different climate regions

**2007 - 2012**

Jordan University of Science and Technology

Degree: Bachelor

Major: Architecture science.

Graduation Project: Domestic Airport Design

## SPONSORSHIPS

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- Full scholarship from His Majesty King Abdullah Bin Husain II, B.Sc., Jordan University of science and Technology, Jordan.
- Full scholarship from Mutah University, M.Sc., Cardiff University, UK.
- Full scholarship from Mutah University, Ph.D., UdK, Berlin – Germany

## WORK EXPERIENCE

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July 2020 – Now  
2012-2014  
2011

**Assistant Professor-** Mutah University  
Architect in Yahia engineering consultant in Jordan.  
Training in Maisam Architect| Engineers - Amman-Jordan.

## AWARDS AND ACHIEVEMENT

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- During the training period in Maisam architects and engineers: Winning in the Competition. The competition is to design PETRA GATE.
- Participate in the architecture Exhibition at Jordan University of Science and Technology for outstanding graduation projects.

## COURSE TAUGHT

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Architectural Design 3  
Architectural Design 2  
Architectural Design 1  
Basic Design 1  
Basic Design 2  
Freehand Drawing 1  
Freehand Drawing 2  
Computer-Aided Architectural Drawing (1)  
History of Architecture 2

## SOFTWARE SKILLS

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DesignBuilder  
Ecotect  
3D Max Modeling  
SketchUp  
Autocad 2D and 3D  
Photoshop  
IDA ICE  
Polysun

## PUBLICATIONS

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- S. Alnusairat, J. Abu Qadourah, and R. Khattab, “Assessing the Future City Post COVID-19: Linking the SDGs, Health, Resilience, and Psychological Impact,” *Sustainability*, vol. 15, no. 1. 2023. doi: 10.3390/su15010811.
- J. Abu Qadourah, A. M. Alfalihat, and S. S. Alrwashdeh, “Assessment of solar photovoltaics potential installation into multi-family building’s envelope in Amman, Jordan,” *Cogent Eng.*, vol. 9, no. 1, 2022, doi: 10.1080/23311916.2022.2082059.
- A. Al-Falahat, A. Q. Jenan, and S. Alrwashdeh, “Economic feasibility of heating source conversion of the swimming pools,” *J. Appl. Eng. Sci.*, vol. 20, no. 1, pp. 230–238, 2022, doi: 10.5937/jaes0-34474.
- S. S. Alrwashdeh, J. Abu Qadourah, and A. M. Al-Falahat, “Investigation of the Effect of Roof Color on the Energy Use of a Selected House in Amman, Jordan,” *Front. Mech. Eng.*, vol. 8, 2022, doi: 10.3389/fmech.2022.897170.
- J. Abu Qadourah, A. M. Al-Falahat, S. S. Alrwashdeh, and C. Nytsch-Geusen, “Improving the energy performance of the typical multi-family buildings in Amman, Jordan,” *City, Territ. Archit.*, vol. 9, no. 1, 2022, doi: 10.1186/s40410-022-00151-8.
- J. Abu Qadourah, “Energy and economic potential for photovoltaic systems installed on the rooftop of apartment buildings in Jordan,” *Results Eng.*, vol. 16, 2022, doi: 10.1016/j.rineng.2022.100642.
- J. Abu Qadourah, A. M. Al-Falahat, and S. S. Alrwashdeh, “INVESTIGATE THE CARBON FOOTPRINTS OF THREE INTERMEDIATE FLOORING SYSTEMS: CROSS-LAMINATED TIMBER, SOLID CONCRETE, AND HOLLOW-CORE PRECAST CONCRETE,” *J. Appl. Eng. Sci.*, vol. 20, no. 2, pp. 377–385, 2022, doi: 10.5937/jaes0-32783.
- S. S. Alrwashdeh, H. Ammari, Y. S. Jweihan, J. A. Qadourah, M. J. Al-Kheetan, and A. M. Al-Falahat, “Refurbishment of Existing Building toward a Surplus Energy Building in Jordan,” *Open Constr. Build. Technol. J.*, vol. 16, no. 1, 2022, doi: 10.2174/18748368-v16-e2208150.
- A. M. Al-Falahat et al., “Energy performance and economics assessments of a photovoltaic-heat pump system,” *Results Eng.*, vol. 13, 2022, doi: 10.1016/j.rineng.2021.100324.
- Abu Qadourah J, “Investigate the Performance of the Windcatcher in Multi-Story Buildings in Hot and Arid Climate by Using Computational Fluid Dynamics Simulation”. *Mutah for Research and Studies: Natural and Applied Sciences*, (Accepted).

## **CONFERENCES & WORKSHOPS**

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- 14th -17th November, 2021  
“The British Council Livable Passive Intelligent City International Researchers Link Workshop “. University of Petra, Amman, Jordan.
- 21 -22 August, 2021  
Paper and Oral presenter- “SEAS International Conference on Evolutionary Sciences, Engineering, Information Technology & Telecommunications (ESET) “. Istanbul, Turkey.
- 27th - 29th April 2017  
Attendant- "Jordanian Life Sciences for Sustainable Development". Amman, Jordan.
- 14- 16 September 2016  
Attendant- “CESBP Central European Symposium on Building Physics 2016 and BauSIM 2016”. Dresden, Germany.