Curriculum Vitae

PERSONAL INFORMATION

Sameh Monna

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Sex: Male | Date of birth: 14 Nov 1977 | Nationality: Palestinian

WORK EXPERIENCE

01 June 2023 – Present
Associate Professor of Architecture
Al-Najah National University, Nablus, Palestine

01 Feb 2011 – 31 May 2023
Assistant Professor of Architecture
Al-Najah National University, Nablus, Palestine

05 February 2006 – 01 January 2008
Lecturer
Al-Najah National University, Nablus, Palestine

05 March 2003 – 01 June 2004
Research and Teaching Assistant
Al-Najah National University, Nablus, Palestine

01 January 2003 – Present
Sustainability consultancy, Design, Projects evaluation, and training
Sustainable built environment, green building, energy efficiency in building, renewable energy, building technologies, and virtual exchange
* List of projects available on request.

01 January 2011 – Present
Funded projects leading

1. (2023 - 2025) coordinator for virtual exchange project (Climate Future Exchange) – in cooperation between: An Najah national university, and Arizona State University.
2. (2018 -2020) Manager for Al Maqdisi project – Joint research unit for sustainable built environment – in cooperation between: An Najah National university, French consulate and Graduate School of Architecture and Landscape of Bordeaux
3. (2017 - 2018) Green building project through virtual exchange (Green Future Exchange) – in cooperation between: An Najah national university, and Arizona State University.
4. (2015-2016) Green building project – in cooperation between: an Najah national university, American consulate, and Arizona State University
5. (2015 -2016) Manager for Al Maqdisi project – energy efficiency in building – in cooperation between: An Najah National university, French consulate and Graduate School of Architecture and Landscape of Bordeaux

EDUCATION AND RESEARCH

01 Sep 2015 – 01 Sep 2016

Post- Doctoral Research

EPFL Federal institute of technology in Lausanne (Switzerland) at Solar Energy and Building Physics Lab.

01 Jan 2008 – 01 Jan 2011

PhD Degree

Built environment science and technology department, Milan University of technology (Politecnico di Milano), Milan (Italy)

01 Jun 2004 – 01 Feb 2006

Master of Science

University of Lecce (Universita' degli studi di Lecce), Lecce (Italy)

Technologies for Architectural Heritage: SIDART
Research experts in diagnostics and monitoring of architectural heritage

01 Oct 1996 – 04 Aug 2002

Bachelor of Science

An-Najah National University, Nablus (Palestine)

Architectural engineering

01 Oct 2009 – 01 Oct 2010

Research Visitor

Sustainable Energy and Environmental Systems Department, Building technologies group, Lawrence Berkeley national laboratory, University of California Berkeley, CA (USA)

01 May 2013 – Present

Research Short Visits

Architecture and Technology department, Sapienza university of Rome, Italy (July 2013)

Energy department, Politecnico di Torino University, Italy (June 2014)

Sustainable Construction Department, University of Minho, Portugal (June 2015)

Architecture and Technology department, Sapienza university of Rome, Italy (July 2015)

Faculty of Architecture, University Libre De Brussels, Belgium (June 2016)

School of Architecture and landscape de Bordeaux -ENSAP, France (2023, 2021, 2019, 2016)

01 May 2005 – 01 Nov 2005

Industrial Design and Materials Technologies

CETMA “centro di progettazione, Design, e tecnoligie dei materiali”, Brindisi (Italy)

3D modelling for architecture and materials technologies

Curriculum Vitae

PERSONAL SKILLS

Mother tongue(s): Arabic

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
	TOEFLE				
Italian	C1	C1	C1	C1	C1
Hebrew	B1	B2	B1	B1	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

I have worked in various types of teams from research teams to other team's activities, participating in virtual exchange projects (Green Future Exchange and climate future exchange).

Job-related skills

- AutoCAD 2D, 3D, modelling programs 3D studio Max, Maya

Computer skills

-Simulation tools (Energy Plus, TRNSYS, ECOTECT, open studio, design builder and Google sketch up)

ADDITIONAL INFORMATION

Certification or Professional Registration

Member, engineers association, Jerusalem centre, Palestine.
Member, green building council technical committee, engineers association 2011
Member of the scientific committee, 3rd international energy conference, engineers association
Member of scientific committee, PLEA (Passive Low Energy Architecture) conference 2015, 2016, and 2018
Sustainable Palestine Group, sustainability consultancy

Publications

- Ghazal, I., & Monna, S. (2024). Green building progress assessment: analysis of registered and certified buildings for LEED rating system. An-Najah University Journal for Research - A (Natural Sciences), 38(2). https://doi.org/10.35552/anujr.a.38.2.2212

- Snider, M., Monna, S., & Gilbrecht, A. (2024). Teaching Sustainability in Architecture through Collaborative Online International Learning. An-Najah University Journal for Research - A (Natural Sciences), 38(2). https://doi.org/10.35552/anujr.a.38.2.2204

- Mohammed Itma, Sameh Monna, Sustainable Housing Design Potentials in Palestine: A Focus on the Spontaneous Urban Design Form, 2024, Journal of Urban Planning and Development, V 150, N 1, https://doi.org/10.1061/JUPDDM.UPENG-4589

- Iyad Ghazal, and Sameh Monna, Green building progress assessment: analysis of registered and certified buildings for LEED rating system. The First International Conference & Expo on Innovation and Sustainability in Engineering & Technology. 14-15 June- 2023. Nablus. Palestine.

- Marika Snider, Sameh Monna, and Alia Gilbrecht, Teaching Sustainability in Architecture through Collaborative Online International Learning. The First International Conference & Expo on Innovation and Sustainability in Engineering & Technology. 14-15 June- 2023. Nablus. Palestine.

- Itma, Mohammed, and Sameh Monna. 2022. "The Role of Collective Spaces in Achieving Social Sustainability: A Comparative Approach to Enhance Urban Design" Sustainability 14, no. 14: 8756. https://doi.org/10.3390/su14148756
- Sameh Monna and Mohammed Itma, Climate change mitigation approach for school buildings in Palestine; a combination of energy efficiency and energy production, Civil Engineering and Architecture, 2022, Vol. 10 Issue 4. https://doi.org/10.13189/cea.2022.100416
- Adel Juaidi, Fathi Anayah, Ramiz Assaf, Afif Akel Hasan, Sameh Monna, Luqman Herzallah, Ramez Abdallah, Patrick Dutournié, Mejdi Jeguirim, An overview of renewable energy strategies and policies in Palestine: Strengths and challenges, Energy for Sustainable Development, Volume 68, 2022, Pages 258-272, ISSN 0973-0826, https://doi.org/10.1016/j.esd.2022.04.002.
- Monna, Sameh & Barlet, Aline & Haj hussein, Muhannad & Bruneau, Denis & Juaidi, Adel & Baba, Mutasim. (2022). Sustainability integration in Palestinian universities: a focus on teaching and research at engineering faculties. International Journal of Sustainability in Higher Education. Issue 6, Volume 23. https://doi.org/10.1108/IJSHE-08-2021-0338
- Monna, S.; Abdallah, R.; Juaidi, A.; Albatayneh, A.; Zapata-Sierra, A.J.; Manzano-Agugliaro, F. Potential Electricity Production by Installing Photovoltaic Systems on the Rooftops of Residential Buildings in Jordan: An Approach to Climate Change Mitigation. Energies 2022, 15, 496. https://doi.org/10.3390/en15020496
- Muhaibesh, dalia & Monna, Sameh & qadi, hasan & Sokkar, Refaa. (2021). Towards climate resilient residential buildings: learning from traditional typologies. Journal of Physics Conference Series. 2042. https://doi.org/10.1088/1742-6596/2042/1/012146 .
- Haj hussein, Muhannad & Monna, Sameh & Juaidi, Adel & Barlet, Aline & Baba, Mutasim & Bruneau, Denis. (2021). Effect of thermal mass of insulated and non-insulated walls on building thermal performance and potential energy saving. Journal of Physics Conference Series. 2042. https://doi.org/10.1088/1742-6596/2042/1/012159 .
- Monna S, Juaidi A, Abdallah R, Albatayneh A, Dutournie P, Jeguirim M. Towards Sustainable Energy Retrofitting, a Simulation for Potential Energy Use Reduction in Residential Buildings in Palestine. Energies. 2021; 14(13):3876. https://doi.org/10.3390/en14133876
- Monna, Sameh, Juaidi, Adel, Abdallah, Ramez & Salameh, Tareq. (2021). Sustainable energy retrofitting for residential buildings in Palestine, a simulation based approach. 1-5. https://doi.org/10.1109/IREC51415.2021.9427862 .
- Salameh, Tareq, Alkasrawi, Malek, Juaidi, Adel, Abdallah, Ramez & Monna, Sameh. (2021). Hybrid renewable energy system for a remote area in UAE. 1-6. https://doi.org/10.1109/IREC51415.2021.9427823
- Monna, S.; Juaidi, A.; Abdallah, R.; Itma, M. A Comparative Assessment for the Potential Energy Production from PV Installation on Residential Buildings. Sustainability 2020, 12, 10344. https://doi.org/10.3390/su122410344
- Sameh Monna, Mutasim Baba, Adel Juaidi, Aline Barlet and Denis Bruneau, 2019, Improving thermal environment for school buildings in Palestine, the role of passive design, Journal of Phys.: Conf. Ser. 1343 012190. https://doi.org/10.1088/1742-6596/1343/1/012190
- Sameh Monna, Aline Barlet, Muhannad Haj Hussein, Denis Bruneau and Mutasim Baba , 2019, Human thermal comfort for residential buildings in hot summer and cold winter region, a user based approach, Journal of Phys.: Conf.

Ser. 1343 012150. https://doi.org/10.1088/1742-6596/1343/1/012150
- A.T.D. Perera, Silvia Coccolo, Sameh Monna, Jean-Louis Scartezzini, Dasaraden Mauree1, 2019, The impact of urban texture on energy system design process, Journal of Phys.: Conf. Ser. 1343 012075. https://doi.org/10.1088/1742-6596/1343/1/012075
- Sameh Monna, Silvia Coccolo, Jérôme Kämpf, Dasaraden Mauree, Jean-Louis Scartezzini, Energy Demand Analysis for Building Envelope Optimization for Hot Climate: A Case Study at An Najah National University. PLEA2016 Los Angeles - Cities, Buildings, People: Towards Regenerative Environments, 11-13 July, 2016
- Silvia Coccolo, Sameh Monna, Jérôme Kämpf, Dasaraden Mauree, Jean-Louis Scartezzini, Energy demand and urban microclimate of old and new residential districts in a hot arid climate. PLEA2016 Los Angeles - Cities, Buildings, People: Towards Regenerative Environments, 11-13 July, 2016
- Silvia Coccolo, Sameh Monna, Jérôme Kämpf, Dasaraden Mauree, Jean-Louis Scartezzini, On the Impact of Local Climatic Conditions on Urban Energy Use: A Case Study. PLEA2016 Los Angeles - Cities, Buildings, People: Towards Regenerative Environments, 11-13 July, 2016
- Green Buildings Guidelines, 2013, Engineering association – Palestine higher green building Council. 1st edition
- Monna S., 2012, Integrated Approach for Intelligent Envelope Design: Simulation performance of building envelope design strategies and technologies during the early design stage, proceeding from the 1st international conference on building sustainability assessment, Porto, Portugal, May 2012 (eBook ISBN: 978-989-95671-6-0) (ISBN: 978-989-95671-7-7)
- Monna S, Masera G., May 2010, Effects of tall office building envelope technologies and design strategies on comfort and energy consumption in hot arid climate, CIB world congress, Manchester, UK (ISBN: 978-1-905732-90-6)
- Monna S, Masera G., May 2010, Intelligent tall building envelope technologies and design alternatives for comfort and energy efficiency in hot, arid climate, CIB world congress, Manchester, UK (ISBN: 978-1-905732-90-6)
- Monna S, July 2010. Effects of tall office building envelope technologies and design strategies on comfort and energy consumption in hot arid climate, SB 2010 International conference, Amman, Jordan
- Monna S, March 2009, Effects of tall building envelope technologies and design strategies on the urban microclimate in hot arid regions, Climate change and the built environment conference, Milan, Italy (ISBN: 978-88-387-43665)
- Monna S, September, 2008 sustainable building: intelligent building envelope technologies for comfort and energy efficiency for tall buildings in hot arid climate, CODAT conference, Pavia, Italy (ISBN: 978-88-86719-65-0)
- Monna S. 2006, The Application of Laser Scanner Technology in the Field Of Architecture and Cultural Heritage: 3D reconstruction of the church of Santa Maria Antiqua using high resolution laser scanner data processing and 3D modelling program, (technologies for cultural heritage) University of Lecce, Lecce, Italy.

Thesis and projects supervision

- Supervision of Master Thesis and Bachelor graduation projects for Architecture and Building engineering departments, in the field of sustainable architecture, building technologies, energy efficiency, use of renewable energy and green buildings.
- Supervision for projects green design. Among those projects (offices, residential, schools and public buildings)