

Dr. HAJ HUSSEIN Muhannad

36 – Married
Nationality: Palestinian

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EDUCATIONION

- 2012** Ph.D. Architectural sciences and techniques, University of Bordeaux 1 and High National School of Architecture and Landscape of Bordeaux (ENSAP-Bx), France.
Thesis' title: "*Investigation sur la qualité des ambiances hygrothermiques et lumineuses des habitats palestiniens. La cour : contribution environnementale et socioculturelle* "
- 2005** M.Sc. Master Degree "Ambiance and comfort for architecture and urban planning, University of Bordeaux 1 and ENSAP-Bx, France.
- 2001** B.Sc. Architectural Engineering, NNU, Nablus Palestine.

ACADEMIC EXPERIENCE

- 2013 – present** Assistant professor at Building Engineering Department-NNU.
- 2012 – present** Research Associate at GRECAU laboratory, ENSAP-Bx, France.
- 2010-2012** Lecturer (part time) at ENSAP-Bx, France.
- 2005-2008** Lecturer at Building Engineering Department - NNU.
- 2004-2005** Research (Master degree) at Laboratory of GRECO, Toulouse, France.
- 2001-2003** Research & Teaching Assistant at Department of Architecture- NNU.

ADDITIONAL CAREER EXPERIENCE-PART TIME

- 2013 – present** **Freelance Sustainability Consultant:**
Member, Sustainable Palestine Group (SPG),
- Fev.-Sept., 2008** **Environmental Consultant:** Thermal, lighting and acoustical studies in different architectural projects, at Engineering studies and consulting center (AMAR), Nablus, Palestine.
- June – Sept., 2001** **Architect:** Architectural Design for public and private constructions, at Serena office for Architecture, Nablus, Palestine.
- June – Sept., 2000** **Urban planning studies:** urban database collection, master plan, at Urban planning Center of NNU, Nablus, Palestine.
- May - Oct.. 1997** **Construction of a database:** architectural database for Palestinian traditional buildings. at Riwaq for Architectural Conservation, Ramallah, Palestine.

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- Member, engineers Association: Jerusalem center, Palestine.
- Member, Technical committee, Palestine Green Building Council, Ramallah, Palestine.

SOCIAL & ORGANIZATIONAL SKILLS

- Member of the scientific committee, 1st International Conference on Civil Engineering ICCE, NNU & Engineers Association, 2013.

- Member of the scientific committee, 5th International Energy Conference, Engineers Association, 2014.
- Member, scientific committee, faculty of Engineering & IT, NNU, 2013-Present.
- Coordinator, Al-Maqdisi- partner-oriented research project, *Towards Zero Energy School in Palestine*, financed by the French government, Palestine. 2013-2015.
- Member, pilot committee, Environment, Energy, Sustainable development" (ARCUS-E2D2), France, 2014.

AWARDS

- Best poster presentation award (1st place): Sustainable house in Palestine, International Conference on Renewable Energy: Generation and Applications (ICREGA'12), Al-Ain, United Arab Emirates, 2014
- PhD. Scholarship, French government, 2008.
- MSc. Scholarship, French government, 2003.
- Honorable mention, UNESCO and the municipality of Nablus, Urban & architectural design Competition for public spaces in the old city of Nablus, 2005.

COURSES TAUGHT

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|-----------------------------------|---|
| • Acoustics | • Thermal in building |
| • Integrated architectural design | • Sustainable Architecture (master level) |
| • Building Illumination | • Architectural Design Studio |
| • Architectural design basics | • Energy efficient building |
| • Graduation project | • Environmental design studio (in France) |
| • Building simulation | |

PUBLICATIONS

- Hijazi I., Haj Hussein M. & Koenig R. "Enabling Geo-design: evaluating the capacity of 3D city model to support thermal design in building", *9th International 3DGeoInfo*, Dubai, UAE, 11-13 November 2014.
- Haj Hussein, M. & Semidor, C. "An Investigation into Luminous Comfort in the Summer Season of Palestinian Dwellings: Inhabitants' Point of View", AFE-CIE International Conference Towards a new century of Light, Paris, 15-16 April 2013.
- Haj Hussein, M., Barlet, A., & Semidor, C. "Socio-environmental dimensions in outdoor spaces of contemporary Palestinian housing". *Open House International Journal*, Vol.35, No.2, pp. 67- 76, 2010
- Haj Hussein, M. & Semidor, C. Design Strategies for Sustainable Housing in Palestine, case studies: Jericho and Nablus. *The 1st Built Environment Development Symposium: Real Estate and Housing Sustainability*. University of Dammam, Saudi Arabia. 25-27 October 2010.
- Haj Hussein, M., Barlet, A., & Semidor, C. The Significance and Usage of Contemporary Open Spaces In Housing Buildings: Inhabitants' Responses In Palestine. *ENHR2010 Conference « European Network For Housing Research »*, Istanbul, Turkey, 4-7 July 2010.
- Haj Hussein, M., Barlet, A., & Semidor, C. Courtyard concept: A sustainable strategy for the future housing buildings in Palestine. *SAUD 2010*, Amman, Jordan, 12-14 July 2010.

Poster presentations:

- Sahar Wasfi, Muhannad HAJ HUSSEIN, Sustainable house in Palestine, *International Conference on Renewable Energy: Generation and Applications (ICREGA'12)*, Al-Ain, United Arab Emirates; 03/2014 (Best poster presentation award: 1st place)
- 1stDay-long symposium for doctoral students at Ensap, entitled « Stratégies Architecturales pour un Habitat Durable en Palestine. La cour : choix socio-environnemental », Bordeaux, 17 march 2011.
- Day-long symposium for doctoral students at doctoral school SPI- university of Bordeaux 1, entitled « Contribution à la conception architecturale d'un habitat durable en Palestine : la cour comme réponse socio environnementale », Bordeaux, 28 April 2011