



CURRICULUM VITAE

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Associate professor

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1. Personal Data

Date of Birth: 1/2/1967

Nationality: Jordanian

2. Education

- Ph.D. (Urban Design and spatial design Morphology) 2005, University of Wales, Cardiff, Wales, UK
- M.Sc. (Urban Design) 1995, University of Jordan, Amman, Jordan
- B.Sc. (Architecture) 1989, University of Jordan, Amman, Jordan

3. Ph.D. Dissertation

Morphology of urban space in Traditional Arab Islamic city – Order and Structure of Urban Space, University of Wales, Cardiff, Wales, UK.

4. Employment

Academic Positions

- **Associate Professor**, Department of Architecture, Al-Zaytoonah University of Jordan, Amman, Jordan
October 2021 – now
- Assistant Professor, Department of Architecture, Al-Zaytoonah University of Jordan, Amman, Jordan
September 2011 – October 2021



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- Lecturer, Department of Traditional Islamic Arts and Architecture, World Islamic science and Education University, Amman, Jordan
September, 2008 – September, 2011
- Lecturer, Department of Traditional Islamic Arts and Architecture, Al-Balqa Applied University, Amman, Jordan
September, 2004 – September, 2008
- Part Time Lecturer, Department of Architecture, University of Jordan, Amman, Jordan, September 1996 – September 1998, September 1992 - September 1994
- Part Time Lecturer, Department of Architecture, University of Applied Sciences, Amman, Jordan, September 1996 – September 1997

Administrative Positions

- Chairman of Department of Architecture, Faculty of Architecture and Design, Al-Zaytoonah University of Jordan, Amman, Jordan – 2021-now
- Dean, Faculty of Architecture and Design, Al-Zaytoonah University of Jordan, Amman, Jordan – 2017-2018
- Vice Dean, Faculty of Architecture and Design, Al-Zaytoonah University of Jordan, Amman, Jordan – 2018-2019
- Chairman of Department of Architecture, Faculty of Architecture and Design, Al-Zaytoonah University of Jordan, Amman, Jordan – 2018-2019
- Vice Dean, Faculty of Engineering and Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – 2012-2015
- Chairman of Department of Architecture, Faculty of Engineering and Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – 2011-2017
- Deputy Director, College of Traditional Islamic Arts and Architecture, World Islamic science and Education University, Amman, Jordan, 2008-2011
- Chairman of Department of Traditional Islamic Arts and Architecture, College of Traditional Islamic Arts and Architecture, World Islamic science and Education University, Amman, Jordan, 2008-2011
- Deputy Director, College of Traditional Islamic Arts and Architecture, Al-Balqa Applied University, Amman, Jordan, 2005-2008
- Chairman of Department of Traditional Islamic Arts and Architecture, College of Traditional Islamic Arts and Architecture, Al-Balqa Applied University, Amman, Jordan, 2004-2008

5. Research Interests

Spatial design, Environmental and sustainable design, design Theories and criticism
Sacred arts and Architecture, sacred geometry and metaphysical principles

6. Membership in Scientific Societies and Associations

Royal Institute of British Architects (RIBA-II) - UK
Architects Registration Board (ARB-II) – UK
Jordanian Engineering Association (JEA)
Jordanian Architects Society (JAS)



7. Honors and Awards

- 2003 International design competition
Pinderfield Hospital - UK
Architect – Clinical Planner
Jonathan Bailey Associates –Architects / London - UK
First Price
- 2003 International design competition
Pontefract Hospital - UK
Project Architect – Clinical Planner
Jonathan Bailey Associates –Architects / London - UK
First Price
- 2003 International design competition
Leicester Royal Infirmary/ Women's Centre - UK
George Trew Dunn – Architects / London - UK
Architect
First price
- 2001 International design competition
St. Thomas Hospital / Women's Centre rebuild – UK.
George Trew Dunn – Architects / London – UK
Architect
First price
- 1997 International design competition
Jeddah commercial- residential complex
Private architectural team -Lead Architect / Amman - Jordan
First price
- 1994 International design competition
The reconstruction of the souks of Beirut – Lebanon
Private architectural team - Lead Architect / Amman - Jordan
The project was selected in the first group,
position number (23) from 369 participants
- 1990 Jordan Islamic Bank – Wehdate (Amman) branch - Jordan
Diran & Bitar Architectural consultants / Amman - Jordan
Architect
Jordanian Engineers Association Award for the best building designed and built in Jordan between the years (1990 - 93) for developing and reusing traditional elements within modern contemporary architecture.
- 1990 Local design competition
University of Applied Sciences, Amman -Jordan,
Diran & Bitar Architectural consultants / Amman - Jordan
Architect
First price
- 1989 International design competition
Islamic cities and capitals organization – Jeddah – Saudia Arabia.
Architect Diran & Bitar Architectural consultants / Amman - Jordan
Recommended.



8. Fellowships and Scholarships

- 1999-2003 Scholarship award from “Altajir World of Islamic Trust”
PhD research: Morphology of Urban Space in Traditional Arab Islamic City
- 2003 Residential scholarship award from “International Students House”
- 2001 Award 3 travel grants from The “Barakat Trust for Islamic Architecture” to study the structure of urban space in traditional Islamic city
- 1992-1994 Recipient the faculty of Higher Studies / University of Jordan scholarship (Teaching assistant).

9. Teaching Experience

• *Graduate Courses*

Design theories of Islamic arts and architecture
Geometry in Islamic architecture
Theories of traditional urban design
Interior design research seminar
Art and architecture in Islamic context

• *Undergraduate Courses*

Architecture design
Islamic architecture
Urban design
Landscape architecture
Architecture and environmental control
Green architecture
Working drawings
Building legislation and professional practice
Supervising graduation projects

10. Supervision of Graduate Research

No.	Name of student	M.A. Thesis title	Thesis year
1	Dua'a Sandouqa,	Public Spaces in Amman: A Comparative analysis of the old Down Town and the new proposed City center	2018
2	Mutasem AL-Karablieh	Traditional lighting patterns in Islamic interior design	2011
3	Fadia Albsoul	Structure and geometry of windows in Islamic house	2011
4	Shereen Tabalat	Structure and design of Islamic Mihrab in Mamluk architecture	2011
5	Nasser Almoghrabi	Space structure and order in Ottoman mosques. Case study: Sinan's mosques	2011
6	Safinaz Elkhazendar	Design structure in Al-Wasiti's miniature paintings	2011



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7	Noor Abu Madi	Space structure and order in Alhambra – analytical study	2010
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11. Grants

No.	Project name	Year of grant	Grantor organization	Grant amount (JD)
1	Association between interior plant photosynthesis measures and interior architectural environmental and thermal control	2021	Al-Zaytoonah University of Jordan	19325
2	ECO CAR: Vocational Training Diploma on Electrical and Hybrid Vehicles	2020	EU Fund Erasmus plus	52000
3	Jerusalem Architecture during the Iron Age	2020	Al-Zaytoonah University of Jordan	5500
4	HANDS: Traditional craft heritage training, design and marketing in Jordan and Syria	2019	EU Fund Erasmus plus	920800
5	Computerizing, rehabilitation and Reconstruction of "Al-Jahith" Library in down town Amman	2019	Al-Zaytoonah University of Jordan	30350
6	EGREEN: Development of environmental engineering courses and injection of climate change concept for undergraduate curriculum	2016	EU Fund Erasmus plus	50000
7	METHODS: Modernization of teaching methodologies in higher education: EU experience for Jordan and Palestinians territory	2015	EU Fund Erasmus plus	52000
8	Development of an approach for visualizing and producing three dimensional forms in architectural design projects	2014	Al-Zaytoonah University of Jordan	45600
9	Traditional values in Amman downtown heritage Suqs	2013	Al-Zaytoonah University of Jordan	16000

12. Membership of Committees

- **National and International**
 - Member of the Jordanian Architects Society (JAS)



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- Member of the Jordan Engineers Association (JEA)
- Member of the UK Architects Registration Board ARB II
- Member of Royal Institute of British Architects RIBA II

13. Professional and Scientific Meetings

2022	Member in the International scientific committee for Med Green Forum (Mediterranean Architecture and Green-Digital Transition) conference, University of Florence / Florence- Italy, 20-22 July 2022.
2020	Member in the scientific committee for 12 International CITC Global construction in the 21 st century - Al-Zaytoonah University of Jordan – Amman – Jordan 2020
2019	Member in the scientific committee for The 4th International Seminar on Architecture and Mathematics – Formulas in Architecture, in Lusíada University, Lisbon, Portugal in November 2019.
2017	Member in the organizational committee and scientific committee for Al-Zaytoonah university international engineering conference on Engineering, Project, and Product Management Amman – Jordan 18-20 June 2017
2014	Member in the organizational committee and scientific committee for Al-Zaytoonah university international engineering conference Sustainability in Design and Innovation (ZEC 2014) Amman – Jordan 18-20 June 2014
2012	Member in the organizational committee and scientific committee for Al-Zaytoonah university international engineering conference Design and innovation in infrastructure (ZEC 2012) Amman – Jordan 18-20 June 2012
1993	Member in the public relation committee for the symposium on the conservation of architectural Heritage in Jordan and the Arab world Nov. 1993, organized by University of Jordan / Dept. of Architecture.
1993	Member in the public relation committee for the symposium on Amman, The City and The Society, June 1993, Organized by University of Jordan. Dept. of architecture.
1993	Member in the organizational committee for the symposium on Architecture between design and Rules, April 1993, Organized by the Jordanian Engineers Association

14. Participation in or organization of curricular and/or extra-curricular activities

Key Note Speaker

- **Architecture and Mathematics conference**
University Lusíada Lisbon, Portugal, November, 2018
- **International Islamic Arts Convention**
the 2nd International Islamic Arts Convention / Algeria, April 2008
- **International Islamic Arts Convention**
the 3rd Kuwait International Islamic Arts Convention / Kuwait, December 2007
- **Urban Regeneration and the role of traditional architecture Symposium** at Al Balqa Applied University headed by HRH Prince Charles (UK) and HRH Prince Ghazi,



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October 2004

The Princes School of Traditional Arts / UK

Head of board of Trustees HRH Prince Charles (UK)

Organising and participating in the school's international exhibitions

2005 Islamic arts exhibition / Washington – USA

Under the patronage of HRH prince Charles

2006 Islamic arts exhibition / Riyadh – Saudi Arabia

Under the patronage of HRH prince Charles and HRH prince Sultan

Curriculum consultations**Turquoise Mountain Foundation / Afghanistan**

Head of board of Trustees HRH Prince Charles (UK)

Madaba Mosaic Institute

Intermediate diploma in traditional mosaics

Al-Balqa' Applied University

College of Traditional Islamic arts and architecture BA Islamic arts

BA Islamic interior design

MA Islamic interior design

MA Islamic arts

MA Islamic Architecture

Al-Zaytoonah University of Jordan

BSC Architectural Engineering and Building Systems

Academic and Research Trips	
2006 - 2008	Hiwar Fanni International study workshops in co-operation with Leipzig university – Germany Helwan university – Egypt University of Lebanon – Lebanon Held in Jordan (2006), Germany (2007), Lebanon (2008)
2007	“Geometry in Islamic Patterns” Workshop in Istanbul (Turkey) (one week). Organised by department of Traditional Islamic Arts and Architecture / Al-Balqa Applied University
2006	“Geometry in Islamic Patterns” Workshop in Granada (Spain) (one week). Organised by department of Traditional Islamic Arts and Architecture / Al-Balqa Applied University
2005	“Geometry in Islamic Patterns” Workshop in Cairo (Egypt) (one week). Organised by department of Traditional Islamic Arts and Architecture / Al-Balqa Applied University
2004	“Geometry in Islamic Patterns” Workshop in Granada (Spain) (one week). Organised by department of Visual Islamic and Traditional Art / The Princes Foundation – University of Wales
2002	“Geometry of Islamic pattern and space” Workshop in Granada (Spain) (one week). Organised by department of



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	Visual Islamic and Traditional Art / The Princes Foundation – University of Wales
2001	“ Structure of Islamic city ” Workshop in Damascus (Syria) (one week). Organised by department of Visual Islamic and Traditional Art / The Princes Foundation – University of Wales
2000	“ Geometry in Islamic Patterns ” Workshop in Fes (Morocco) (one week). Organised by department of Visual Islamic and Traditional Art / The Princes Foundation – University of Wales
2000 - 2001	A study of Islamic architecture in the southern region of Spain (Andalusia) including the cities of Granada, Cordoba and Seville

15. Publications

- 1- Hamdan, Mohammad, **Dabbour, Loai**, Abdelhafez, Eman, *Study of climatology parameters on COVID-19 outbreak in Jordan*, Environmental Earth Sciences Journal, Vol. 81, issue 228, 1-9, April 2022
- 2- **Dabbour, Loai**, *The Traditional Arab Islamic City: The Structure of Neighborhood Quarters*, Journal of Architecture and Urbanism, Vol. 45 issue 2, 107-118, June 2021
- 3- **Dabbour, Loai**, *Order and structure of Islamic pattern*, Jordan Journal of Arts, Vol. 14, Issue 3, 383-394, 2021
- 4- **Dabbour, Loai**, Abdelhafez, Eman, Hamdan, Mohammad, *Effect of climatology parameters on air pollution during COVID-19 pandemic in Jordan*, Environmental Research Journal, Vol. 202 (111742), 1-14, 2021
- 5- Abdelhafez, Eman, **Dabbour, Loai**, Hamdan, Mohammad, *The effect of weather data on the spread of COVID-19 in Jordan*, Environmental Science and Pollution Research, Jan. 2021
- 6- **Dabbour, Loai**, *Morphology of quarters in traditional Arab Islamic city: the case of the traditional city of Damascus*, Frontiers of Architectural Research, Vol. 10, 50-65, 2021
- 7- Alkhalil, Shahnaz M., Manasrah, Ahmad A., **Dabbour, Loai**, Bashayreh, Esra'a, A., Abdelhafez, Eman, Rababa, Esraa G., *COVID-19 Pandemic and The E-learning in Higher Institutions of Education: Faculty of Engineering and Technology at Al-Zaytoonah University of Jordan as a Case Study*, Journal of Human Behavior in the Social Environment, VOL. 31, NOS. 1-4, 464-475, 2021
- 8- Hamdan, Mohammad, Abd-Alhamid, Fedaa, **Dabbour, Loai**, *Impact of Passive Techniques on Thermal Behavior of Emergency Shelters*, Ecological Engineering & Environmental Technology Journal (EEET), Vol. 22(3), 112–119, 2021
- 9- **Dabbour, Loai**, *Geometric Proportions: The underlying structure of design process for Islamic Geometric Pattern*, Frontiers of Architectural Research, Vol. 1 issue 4, 380-391, 2012
- 10- Masoud, Mohammad, Abu-Elhaija, Wejdan, Jaradat, Yousef, Jannoud, Ismael, **Dabbour, Loai**, *Software Project Management: Resources Prediction and*



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- Estimation Utilizing Unsupervised Machine Learning Algorithm*, 8th International Conference on Engineering, Project, and Product Management (EPPM 2017), Jordan, book proceedings Publisher: Springer, Cham, 2018
- 11- Abu Salem, Zaydoun, Abu Diyah, Ayoub, **Dabbour, Loai**, Hamdi, Moshrik, Kheder, Alla, Ismail, Sofian, Green Low-Cost Housing Units, The Seventh International Jordanian Civil Engineering Conference (JICEC07), 9-11 May, 2017
- 12- Al-Armouti, Yasmin, (Editor), **Dabbour, Loai M.**, (Text Contributor), *Darat Al Farah / House of Joy*, Book, National press, Jordan, 2009
- 13- **Dabbour, Loai M.**, *Geometric Proportions and its applications in Islamic Arts*, History of Science at the Arabs and Muslims conference, UAE, December, 2014
- 14- Ghanam, Shehdeh, **Dabbour, Loai M.**, *Structural analysis of two hinged Islamic arches*, Zaytoonah University International Engineering conference, Sustainability in Design and Innovation (ZEC 2014)
- 15- Almoghrabi, Naser, **Dabbour, Loai M.**, *Shezade Mosque: The Birth of ottoman mosque Typology*, Zaytoonah University International Engineering conference, Sustainability in Design and Innovation (ZEC 2014)
- 16- **Dabbour, Loai M.**, Algezawi, Omar, Alabed, Aziz, *Climatic modeling in traditional Arab houses*, Zaytoonah University International Engineering conference, Design and innovation in infrastructure (ZEC 2012)
- 17- **Dabbour, Loai M.**, *Geometric Applications in Illumination and Miniature paintings*, 2nd International Islamic Arts Convention, Algeria, April, 2008