

Diala Ibrahim Ali Atiyat

Architectural Engineer | Assistant Professor

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Amman, Jordan | Jordanian

[Diala Atiyat - Google Scholar](#) | [Diala ATIYAT | ResearchGate](#)

Experienced and dedicated Assistant Professor with a strong background in architectural engineering, specializing in teaching, academic research, and student supervision at the university level. Proven expertise in delivering courses such as Urban Planning, Local Architecture, History of Architecture, Architectural Design, Architectural Conservation, and Computer-Aided Design (CAD). Skilled in mentoring postgraduate and undergraduate students, supervising theses, and developing innovative curricula aligned with modern trends in architecture and sustainability. Committed to fostering a dynamic learning environment, advancing academic excellence, and contributing to the development of future architects through research-driven teaching and active participation in academic committees.

Education

Alexandria University - Egypt 2017 - 2019
Ph.D. in Architectural Engineering

Ph.D. Dissertation: "Hybrid Approach Towards Managing Smart Cultural Heritage in the Smart City Context: Case Study of Amman Downtown - Jordan" (GPA: 4.0/4.0)

The University of Jordan - Jordan 2013 - 2015
M.Sc. in Architectural Engineering

M.Sc. Thesis: "Post-Occupancy Evaluation of the Residential Compounds in Amman City: Case Study of Al-Dear – Marka and Abu Alanda Compound" (GPA: 3.63/4.0)

Al-Albait University - Jordan 2007 - 2012
B.Sc. in Architectural Engineering

Bachelor's Graduation Project: "Design of a Sustainable Wellness Resort in the Dead Sea" (Grade: Very Good).

Work Experience

Assistant Professor 2019 - Present
Isra University | Amman, Jordan

- Taught undergraduate course, including Urban Planning, Local Architecture, History of Architecture, Architectural Design, Architectural Conservation, and Computer-Aided Design (CAD).
- Supervised postgraduate theses on topics such as sustainable construction, urban development, and metaverse applications in project management.
- Acted as an Internal Examiner for postgraduate research on architectural and sustainability topics.
- Participated in curriculum development, aligning course materials with modern trends in architecture and sustainability.
- Led departmental projects as Head of the Architectural Engineering Department (2020 – 2021).

Faculty Member

2016 - 2017

Al-Balqa University, Jordan | Jordan

- Delivered lectures on Urban Planning and Architectural Design.
- Mentored undergraduate students in project-based learning and architectural methodologies.

Part-Time Lecturer

2015 - 2017

The University of Jordan | Amman, Jordan

- Specialized in teaching advanced topics in architectural design and urban conservation.

Architectural Engineer

2012 - 2015

Private Engineering Offices | Jordan

- Designed and supervised architectural projects, emphasizing sustainable and energy-efficient practices.
- Collaborated with clients to develop functional and aesthetically pleasing building solutions.

Workshops and Training

- **Teaching Online Courses** (Participant, Arabic) – Isra University, Jordan (09/2022).
- **Cultural Heritage in University Education** (Participant, Arabic) – USAIs-SCHEP (10/2021).
- **Thermal Insulation in Buildings** (Participant, English) – SEED Jordan (05/2020).
- **LEED Green Associate Exam Prep** (Participant, English) – USGBC (04/2020).
- **Early Academics Development Program** (Participant, English) – British Council (10/2019).
- **Faculty Members Development** (Participant, Arabic) – Isra University, Jordan (09/2019).
- **PRIS'18: Phi's Research and Innovation Summit 2018** (Participant, Arabic/English) – King Hussein Business Park (08/2018).
- **Sustainable Smart Cities International Workshop** (Participant, English) – Alexandria University, Egypt (05/2017).
- **Integrated Approach to Sustainable Development** (Participant, English) – Columbia University, Middle East Research Center, Amman (06/2012).

Conferences

- **Housing & Building National Research Center International Conference**, Green Smart Sustainable Building between Present and Future – Egypt, December 2024 (Attendee).
- **7th Jordanian International Architectural Conference**, Architecture and Artificial Intelligence – Jordan, April 2024 (Attendee).
- **Young Engineers Forum**, Engineering and Innovation – Jordan, November 2022 (Speaker, Non-Peer Reviewed).
- **6th International Conference on Recent Trends in Innovation, Creativity, and Technology**, Engineering and Innovation – Egypt, April 2021 (Speaker, Peer-Reviewed).
- **2nd Al-Balqaa International Conference**, Engineering and Innovation – Jordan, December 2019 (Speaker, Peer-Reviewed).

- **5th International Conference on New Trends in Architecture and Interior Design**, Architecture and Interior Design – Turkey, April 2019 (Speaker, Peer-Reviewed).
- **The First Arab Conference for Restoration and Reconstruction**, Architecture and Restoration – Cairo, Egypt, October 2017 (Speaker, Peer-Reviewed).
- **11th International Conference on Engineering, Science, and Technology**, Engineering and Technology – UAE, February 2017 (Speaker, Peer-Reviewed).
- **IV- World Heritage and Disaster: Knowledge, Culture, and Representation**, Heritage at Risk – Italy, June 2017 (Speaker, Peer-Reviewed).
- **2nd Sustainable Mega Project Conference**, Sustainability – Egypt, May 2016 (Speaker, Peer-Reviewed).

Publications

1. Atiyat, D., et al. (2024). ***A tanulás gamifikációja = Gamification Learning***. METSZET, 15(4), pp. 26–31. ISSN: 2061-2710.
2. Atiyat, D., et al. (2023). ***Towards a New Jordanian Architectural Conservation Vision: From a Neglected Archaeological Site to a Relocated One***. Asian Journal of Social Sciences and Legal Studies, ISSN: 2707-4668, Vol. 5(3), pp. 84–88, USA.
3. Atiyat, D., et al. (2023). ***Castles in Jordan: A Comparative Study of the Islamic and Crusader Castles***. Civil Engineering and Architecture, ISSN: 2332-1091, Vol. 11(4), pp. 1856–1870, USA.
4. Atiyat, D., et al. (2023). ***Using Simulation to Maximize Solar Energy Utilization in Buildings in Amman***. Civil Engineering and Architecture, ISSN: 2332-1091, Vol. 11(2), pp. 986–998, USA.
5. Atiyat, D., et al. (2022). ***Architectural Monuments in the Urban Structure as A Factor in the City Humanization: The Case of Jordan***. Civil Engineering and Architecture, ISSN: 2332-1091, Vol. 10(7), pp. 2847–2857, USA.
6. Atiyat, D., et al. (2022). ***The Image of Amman City: Structure, Identity, and Meaning***. International Journal of Sustainable Development and Planning, ISSN: 2735-5462, Vol. 17(1), Germany.
7. Atiyat, D., et al. (2021). ***Smart Tourism and Living Lab Approach***. International Journal of Eco-Tourism, Hospitality Planning Development, ISSN: 2735-5462, Vol. 4(1), Egypt.
8. Atiyat, D., et al. (2021). ***The Value of Building Materials Processing in Post-Implementation of Interior Design Works***. DIRASAT: Human and Social Sciences, ISSN: 2663-6190, Vol. 48(2), Jordan.
9. Atiyat, D., et al. (2020). ***Pre-Occupancy Evaluation for Residential Architectural Unit Design***. Transylvanian Review, ISSN: 1584-9422, Vol. 47, USA.
10. Atiyat, D., et al. (2017). ***The Impact of Building Envelope Design on Building Sustainability Using Solar Energy Simulation***. Journal of Architectural Engineering Technology, ISSN: 2168-9717, Vol. 6, Canada.
11. Atiyat, D., et al. (2017). ***Earthen Architecture: Characteristics and Implementation, Case Study of Earthen Building in Jordan***. Arts and Design Studies, ISSN: 2224-6061, Vol. 2, USA.
12. Atiyat, D., et al. (2016). ***Re-Use of Abandoned Quarries: Case Study of Eco-Tourism and Rangers Academy – Ajloun, Jordan***. Journal of Civil & Environmental Engineering, ISSN: 2165-784X, Vol. 6, USA.
13. Atiyat, D., et al. (2015). ***Visual Perception of Architectural Form in a Cultural Context: Case of Old Salt City – Alkhader Street***. Architecture & Planning Journal, ISSN: 2079-4096, Vol. 2, Lebanon.

14. **Atiyat, D., et al. (2015). *The Stone as a Main Building Material: Case Study of Amman, Jordan*. Journal of Multidisciplinary Engineering Science and Technology, ISSN: 2458-9403, Vol. 2, Germany.**
15. **Atiyat, D., et al. (2015). *Architecture Building Treatments in the Mediterranean Climate from an Environmental Perspective*. Architectural Engineering Technology, ISSN: 2168-9717, Vol. 3, USA.**
16. **Atiyat, D., et al. (2015). *The Impact of Using Green Buildings on Rationalizing the Consumption of Energy Resources, Water, and Materials in Jordan*. Civil and Environmental Research, ISSN: 2224-5790, Vol. 7, USA.**
17. **Atiyat, D., et al. (2014). *Historic School Buildings Integrating with Local Community*. Journal of American Science, ISSN: 545-1003, Vol. 10, USA.**

Books

- **Angelo Vecchio: *The Fragrance of Mediterranean Architecture* (2022).**
 - **ISBN:** 978-88-971-5964-3
 - **Published in:** Italy
 - **Language:** Arabic

Postgraduate Supervision

- **The Role of Value Management in Reducing the Risks Associated with Sustainable Construction Projects**, Isra University (2023).
- **Metaverse as a Tool to Avoid Project Failure and Optimization of the Project Management Triangle**, Isra University (2023).
- **The Image of Amman City and Urban Literature: An Analytical Study**, Jordanian German University (Co-Supervisor, 2022).
- **Risk Management of Seasonal Floods in Amman Downtown**, Isra University (2021).
- **Project Performance Management Improvement in Jordan**, Isra University (2020).
- **Enhancing Building Construction Readiness through Building Information Model: A Case Study of Residential Buildings in Madaba**, Isra University (Co-Supervisor, 2024)..

External Examiner

- **Assessment of Residential Satisfaction on Models of Residential Buildings and their Surroundings in Amman During the Pandemic Era** (Diana Habahbeh, 2022) – Jordan University.
- **Developing an Interactive Process for Architectural Design Education Through Integrating Procedural Modeling with Virtual and Augmented Reality: The Case of Residential Building in Amman City** (Maha AlFadalt, 2021) – Jordan University.
- **Evaluating Indoor Environmental Comfort in Residential Buildings in Amman: The Case of the Andalusia Residential Project** (Baraa Haimour, 2021) – Jordan University.

Internal Examiner

- **BIM Implementation Assessment Model in the Jordanian Design Offices (A Case Study)** (Mahmoud Dakhalalah, 2023) – Isra University.
- **Sustainability Applying Strategy in the Architectural Design of Hospitals in Syria** (Salaheldin Alhabaal, 2023) – Isra University.
- **Management of Green High-Rise Building Projects Using Energy Plus Simulation Program (Abdoun Towers as a Study)** (Amna Al-Youssef, 2021) – Isra University.

Professional Memberships

- **Member of ArchiNet Platform** (08/2023 – Present).
- **Organizing Committee Member** for the 6th International Conference “Recent Trends in Innovation, Creativity, and Technology” – Siwa, Egypt (04/2021).
- **Editorial Board Member** at *Innovation Info* (04/2018 – Present).
- **Editorial Board Member** at *Journal of Multidisciplinary Engineering Science Studies* (08/2016 – Present).
- **Editorial Board Member** for *Chronicle Journal of Engineering Science* (07/2018 – Present).
- **Committee Member** for Architectural Students Admission, Development, and Evaluation, Al-Balqa University (2016 – 2017).
- **Member of Phi’s Research and Innovation** (08/2018 – Present).
- **Member of Jordanian Engineers Association** (06/2012 – Present).
- **Member of ISIC Association** (09/2018 – Present).
- **Member of SEEDS (for Greener Built Environment)** (05/2020 – Present).
- **Member of Forum Architetti Mediterranei** (03/2016 – Present).

Core Skills

- **University-Level Teaching:** Expertise in delivering a wide range of architectural courses.
- **Research Focus Areas:** Strong expertise in Smart Cities, Architectural Conservation, Urban Planning, and Sustainability, bridging academic theory with practical solutions.
- **Research and Publishing:** Authored 17+ peer-reviewed articles on topics such as sustainability, smart cities, and architectural conservation.
- **Student Supervision:** Guided postgraduate research in innovative areas like sustainable construction and urban development.
- **Curriculum Development:** Designed and implemented academic programs aligned with contemporary architectural and technological trends.
- **Architectural Conservation:** Specialized in preserving cultural heritage while integrating modern design techniques.

- **Sustainability Advocacy:** Promoted sustainable design in urban and architectural projects.
- **Conference Contributions:** Presented research at international conferences, enhancing global academic networks.
- **Technical Proficiency:** Proficient in AutoCAD, Design Builder, and ArcGIS with intermediate-level experience.
- **Leadership and Administration:** Directed departmental activities to improve educational standards and operational efficiency.
- **Committee Experience:** Played a key role in student admission processes and curriculum evaluation.
- **Workshop Facilitation:** Participated in and facilitated professional workshops on green building, teaching strategies, and advanced technologies.
- **Interdisciplinary Integration:** Applied advanced technologies like the metaverse and simulation tools to architectural education and research.
- **Professional Networking:** Active member of global and regional organizations, contributing to architectural and engineering dialogues.
- **Project Management:** Managed architectural projects, ensuring alignment with sustainability and client requirements.
- **Effective Communication:** Bilingual in Arabic and English, fostering clear and impactful interactions in academic and professional environments.
- **Educational Innovation:** Implemented modern teaching methodologies to elevate student learning experiences.

Honors and Awards

- **Distinguished Graduate Honor** – Al-Albays University (2022).
- **Full Ph.D. Scholarship in Architectural Engineering** – Isra University (2017).
- **Academic Innovation Award for Young Engineers** – Jordan Engineers Association (2016).

Volunteering

- **External Examiner for Undergraduate Graduation Projects** – (2014 – Present).
- **Architectural Articles Writer** – Published in several local Jordanian magazines (2016 – Present).

Languages

Arabic (Native), English (Fluent)

References

Available upon request.