



Education

- 2004-2008 **Doctor of Philosophy in Computer-Aided Architectural Design**
"Scenarios as a Design Method in Architectural Practice and Architectural Education"
(<http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.501786>)
University of Strathclyde - UK
Faculty of Engineering & Technology
Department of Architecture Engineering
- 1994-1997 **Master of Science in Architecture**
"The Effects of Environmental Structures and Identity on the Perception of the Cities: Amman and Irbid as a Case of Comparison"
(http://archnet.org/gws/CSBE/8421/webpages_7881/html/theses/description/1286.html)
The University of Jordan - Jordan
Faculty of Engineering & Technology
Department of Architecture Engineering
- 1989-1994 **Bachelor of Science in Architecture**
"Democracy and Human Rights Studies Institute"
The University of Jordan - Jordan
Faculty of Engineering & Technology
Department of Architecture Engineering

Academic Experience

- 2021- **Professor**
<http://eacademic.ju.edu.jo/w.alazhari>
The University of Jordan - Jordan
Department of Architecture Engineering
- 2023- **Director**
Accreditation and Quality Assurance Center
The University of Jordan - Jordan
https://sites.ju.edu.jo/ar/pgmc/Lists/SuccessiveDirectors/All_Items.aspx
- 2022-2023 **Vice Dean for Scientific Faculties**
<https://graduatestudies.ju.edu.jo/ar/arabic/Lists/DeanshipOffice/DeanOffice.aspx>
School of Graduate Studies
The University of Jordan - Jordan
- 2020-2023 **Head of Quality Department**
Accreditation and Quality Assurance Center
The University of Jordan - Jordan
- 2014-2021 **Associate Professor**
The University of Jordan - Jordan
Department of Architecture Engineering
Teaching Undergraduate Courses:
 - First Year: Basic Design 1, Basic Design 2
 - Second Year: Architectural Design 1, Architectural Design 2, Computer Architectural Drawings
 - Third Year: Architectural Design 3, Architectural Design 4, Working Drawings, History and Theory of Contemporary Architecture, and Building Legislation.
 - Fourth Year: Architectural Design 5, Architectural Design 6, Urban Planning 1, Urban Planning 2, Building Workshop, Interior Architecture, Professional Practice, and Project Management.
 - Fifth Year: Architectural Design 7, Graduation Project Thesis Research, and Graduation Project Design.
 - Final Year Project Supervision: Supervising more than 100 Undergraduate Students in Different Architectural Areas.
 - Honorable Nomination Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2014.
 - Winning the First Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2015.
 - Honorable Nomination Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2016.Teaching Graduate Courses:
 - Research Methods in Architecture, Advanced Theory of Architecture, Architecture and Contemporary Technology, Architecture and Sustainable Development, Built Environment and Behaviors, Architectural Analysis and Criticism, and Special Topics in Architecture.
 - Thesis Committees Member: Participating in Several Examining Committees for the M.Sc. Thesis at Departments of Architecture at the University of Jordan, Jordan University of Science and Technology, and German Jordanian University.
 - M.Sc. Thesis Supervision:



- + Integrating Technologies Adapted from the Nature in Generating Hybrid Algorithmic Compositions: Mega-structure Forms, May 2015.
- + Design-Based Strategies in Analyzing the Ethnography of Amman City Identity in Residual Spaces using the Geographic Information System (GIS) Applications, May 2015.
- + Analysis of Built Environment and Modeling Using Space Syntax and GIS: Two Villages of Al Balqa Governate as a Case Study, May 2015.
- + Generating Utopian Principles through Achieving Technological and Smart Image of the City: The Case of Dahiet Al-Hussein District, August 2015.
- + The Evolutionary Use of High-Performance Efficient Glass in Office Buildings to Create Sustainable Guidelines: the Case of Amman City, August 2015.
- + Analyzing Bioclimatic Architecture in the Jordanian Badiya, Decision Support Integrated with Computer Simulation, November 2015.
- + An Analytical Study of Computer Aided Design (CAD) Applications on the Creativity of Architecture Students: The University of Jordan Case Study, May 2016.
- + The Influence of Open Spaces on Social Interaction and its Catchment Area by Using Geographical Information System (GIS): A Case Study of Dahiyat Al Yasmeen Neighborhood- Amman, May 2016.
- + Applying Integrated Photovoltaic and Electrochromic Glazing Systems in Sustainable Courtyards in Buildings-The case of Amman City, May 2016.
- + Improving the Energy Performance for Tower Design by using Innovative Facade Systems and Intelligent Skins: The Case of Amman City, December 2016.
- + A New Scenario for Architectural Design Education Using the Narrative of Video Games: The Implementation of "Unity 3D" Applications by 4th Year Students at The University of Jordan, December 2016.
- + Three-Dimensional Printing Technology and Automated Construction by Contour Crafting Technique: A Comparison Study between Conventional Construction and Contour Crafting Technique, May 2017.
- + Using Thermo-Bimetal Intelligent Adaptive Material to Generate Energy Efficient Skin for Commercial Buildings in Jordan, August 2017.
- + A Shape Grammar Approach to Enrich Architectural Students Design Thinking in Studio, the Case of the University of Jordan, August 2017.
- + Exploring the Importance of Space Syntax in a Child's Cognitive Schema: Children's Attachment in Amman City Nurseries as a Case Study, August 2017.
- + An Adaptive Social Interactive Approach of Spatial Layouts for Primary Schools in the Framework of Actor-Network Theory: The Case of Amman City, May 2018.
- + Evaluation of Using Photocatalysis Technology in Multistory Car Parking Buildings as De-Polluting Facades in Amman City, May 2018.
- + The Impact of Shaded Spaces in Residential Buildings on Occupant's Psychology, Modeling Simulations: The Case of Amman City, May 2018.
- + Integrating Practical Knowledge through Interactive Approach in Architecture Design Education: The Case of Jordanian Universities Graduation Projects, December 2018.
- + The Effect of Spatial Configuration on the Perception of Primary School Children by Using Space Syntax Models: A Comparative Study, December 2018.
- + Towards a Comprehensive Approach for Designing Third Places to Enhance User's Sense of Belonging and Social Interaction: Malls Design as a Case Study in Amman City, June 2019.
- + Agent-based Crowd Simulation in Understanding Educational Spaces: The Case of Middle East University, August 2021.
- + Developing an Interactive Process for Architectural Design Education Through Integrating Procedural Modeling with Virtual and Augmented Reality: The Case of Residential Buildings in Amman City, August 2021.
- + The Impact of Digital Placemaking in Enhancing Social Interaction: A Case Study in AL- Salt City in Jordan, August 2022.
- + The Role of Outdoor Spaces Design in Al-Balqaa Applied University in Salt in Supporting Students Educational Experience, August 2022.
- + The Impact of Merging Immersive Virtual Reality Applications in Architecture Education and Communication, August 2022.

2017-2020

Dean

Middle East University - Jordan

The Faculty of Architecture and Design

Master of Graphic Design Thesis Supervision:

- + The Practice of Digital Storytelling in Graphic Design Education Jordan: The Case Study of Middle East University, January 2018.
- + The Effect of Virtual Environment on Learning Spatial Graphic Design, January 2018.
- + The Role of Shape, Texture and Color as Graphic Design Interactive Elements to Improve Autistic Children's Preschool Curricula in Jordan, January 2018.
- + The Role of Illustration in Design Packaging for Food Productions in Jordan, March 2018.



- + Emotional Perception of Typography Messages in Fashion Design: Case Study Amman City, June 2018.
- + The Role of the Design Concept in Enhancing the Visual Identity of the Banking Logos in Jordan, June 2018.
- + The Applicability of Space Using Through Following in the University Buildings of JUST as a Case Study, June 2018.
- + The Impact of the Commercial Signage on Visual Pollution of Commercial Street Amman City: Wasfi Al Tal Street as a Case Study, June 2019.
- + The Role of Lighting in the Perception of Color Properties for Graphic Designs in the Internal Environment "Luminous advertising in Irbid City Center as a Study Example", June 2019.
- + The Effect of Westernization on the Aesthetics of Contemporary Graphic Design: Advertising in Amman a Model, June 2019.
- + Depression Awareness Campaign in Jordan: An Evaluation Impact Study, June 2019.
- + The Degree of Effectiveness of Graphic Design in the Digital Marketing and Promotion of the Jordanian Tourism Sector, June 2020.
- + The Functionality of Algorithm-Driven Design within Contemporary Graphic Design Operationalizing Design Process, June 2020.
- + Development Visual Identity in the Internal Environment of the Middle East University Buildings, June 2020.

2016-2017

Assistant Dean for Development and Quality Affairs

The University of Jordan - Jordan
The School of Graduate Studies

2014-2016

Chairman

The University of Jordan - Jordan
Department of Architecture Engineering

2013-2014

Assistant Dean for Students, Marketing, and Development Affairs

The University of Jordan - Jordan
The Faculty of Graduate Studies

2009-2014

Assistant Professor

The University of Jordan - Jordan

Department of Architecture Engineering

- Head of the Computer-Aided Architectural Design Unit, in charge of Teaching Computer Courses; Computer Architectural Drawings, Computer Applications, and Advanced Computer Design using AutoCAD, Rivet, 3D Max, and Sketch-Up Software.
- Supervising Undergraduate Architectural Design Projects.
- Winning the Second Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2013.
- Winning the First Prize and Second Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2012.
- Winning the Second Prize of the Omrania CSBE Student Award for Excellence in Architectural Design, 2011.
- Winning the First Prize and Third Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2011.
- Examining Several Undergraduates Architectural Design Projects at Architectural Schools in Jordan.
- Teaching Contemporary Architectural Technology Course for Graduate Students and Undergraduate Design Studios, Architectural Drawing and Presentation, Professional Practice, and Computer Aided Design Courses.
- Member of the Design Committee Responsible for Re-Designing the Main Gates of the University of Jordan, 2011.
- Member of the Design Committee responsible for Designing the College of Sharia and Islamic Studies of the University of Jordan, 2012.
- Member of the Higher Committee Responsible for Design and Execution of Golden Jubilee Exhibition Celebrating 50th Anniversary of the University of Jordan, 2012.

2002-2004

Instructor

- Design Courses, 1st Year
- Computer-Aided Design Course, 2nd and 3rd Year, AutoCAD 2002, and Adobe 6
- Computer and Technology Specialist and Advisor
- Established Amin Qawar Design Computer Lab at the Department of Architecture Engineering - University of Jordan with Architectural Software: AutoCAD, 3D Max, Micro-Station, and ArchiCAD.

The University of Jordan - Jordan

Department of Architecture Engineering

2003

Instructor (Part-Time)

- Computer-Aided Design Course in Architecture Engineering, 4th Year, AutoCAD 2D and 3D



- University of Petra - Jordan
Faculty of Architecture Engineering and Arts
- 2000-2002 **Teaching Assistant**
- Design Courses, 4th and 5th Year
 - Building Construction course, 3rd Year
 - Computer-Aided Design Course, 2nd Year
- The University of Jordan - Jordan
Department of Architecture Engineering
- 1999-2000 **Teaching Assistant**
- Design Course, 3rd Year
- McGill University - Canada
Department of Architecture Engineering
- 1997-1999 **Teaching Assistant**
- Computer Aided Design Courses, 2nd and 3rd Year
- The University of Jordan - Jordan
Department of Architecture Engineering

Professional Experience

- 2009- **Autodesk Authorized Training Instructor**
Autodesk® Software: AutoCAD 2004 Updates, Revit 5, and 3D MAX.
Teaching in Several Institutes in Amman - Jordan
- 1998- **Part-Time Storefront and Housing Coordinator**
Jordanian Practice Center in Civil Society & Peace Building, Amman - Jordan
- 2005-2006 **Part-Time Architectural Assistant**
- Working on a Range of Projects from Private Houses to a Series of Mixed-Use Public Projects and Feasibility Studies with an Emphasis on Community Participation and Design Innovation
 - New Housing, Byron Street, Partick Glasgow
 - The Wedge, Pollok Glasgow
- Collective Architecture, Glasgow - UK
- 2006-2008 **Part-Time Architect**
- Working on several projects:
 - Gorbals Health Centre, Pine Place Glasgow
 - Community Treatment Centre for Brain Injury, Commercial Road Glasgow
 - The Glasgow School of Art Mackintosh Conservation Project, Glasgow
- ZM Architecture, Glasgow - UK
- 1996-1998 **Computer Training Instructor**
- Teaching the following software:
 - + AutoCAD 2000 and 3D Max 4
 - + Corel Draw and Adobe Photoshop
 - + Internet Home Pages, HTML, and Java
- Al-Azhari Computer Services, Amman - Jordan
- 1994-1998 **Architect**
- Working on a Range of Projects from Private Houses to a Series of Mixed-Use Public Projects, such as Schools
 - Winning the Second Place of Baytona Mega Mall in Wadi Al-Remam in Amman City, that had been organized by the Jordan Engineer Association in Jordan
- Waleed Ba'ba' & Association Engineering Consultant, Amman - Jordan

Training and Professional Development

- 2022 **Certified Resident Assessor Certificate**
The King Abdullah II Award for Excellence (Public Sector, Private Sector, and Business Associations Sector), Jordan
- 2022 **Capacity Development of Peer Reviewers in Higher Education according to the International Standards**
Association of Arab Universities, Jordan.
- 2022 **The Action Plan of the University of Jordan and How to Prepare it (Trainer)**
9001(2015) Quality Management System
Training courses at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2021 **The Action Plan of the University of Jordan and How to Prepare it (Trainer)**
Excel to Build Large Number of Exam Forms,
MCQ Test Item Analysis,
Strategic Management using the Balance Scorecards Concept,
Managing E-Learning Courses on Moodle Platform,
Blended Learning: Forms and Applications,
Open Educational Resources
Training courses at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.



- 2020 **The Action Plan of the University of Jordan and How to Prepare it (Trainer)**
National Quality Assurance Certificate,
How to Deal with the University of Jordan Exam Platform (LMS),
Manage Simultaneous Online Lectures
Training courses at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2017-2020 **Participating Appreciation**
Granting of the Jordanian Quality Assurance Certificate to the Middle East University, Jordan.
- 2017 **Developing and Analyzing Tests using SPSS**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2016 **Jordan Team Leader of the Solar Decathlon Middle East (SDME)**
An international competition for universities all over the world that created through an agreement signed between Dubai Electricity and Water Authority (DEWA) and the Department of Energy of the United States of America.
- 2016 **Role of Social Media in Higher Education: Teaching and Learning,**
Advanced Intended Learning Outcomes
Training courses at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2015 **Advanced E-Learning Student Course**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2014 **Advanced Statistical Analysis Using SPSS**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2010 **Eco Jordan**
Training Workshop at the University of Jordan, Faculty of Engineering & Technology in Sustainable Issues and Renewable Energy, Amman, Jordan.
- 2003 **Autodesk Training Course**
AutoCAD 2004 update, Autodesk Architectural Desktop 2004 update, Revit 5 Introduction, New Horizons, Dubai, UAE.
- 2000 **Right Based Empowerment Practice at Community Advocacy**
Advocacy Center, Jerusalem and Advocacy Center, Beersheva.
- 1999 **McGill Middle East Program in Civil Society and Peace Building**
(<http://www.mcgill.ca/ican/fellowship/alumni/1998-2000>)
McGill University, Department of Minimum Cost Housing & Social Work, Montreal, Canada.
- 1997 **Tourism Development Vernacular Architecture of the Southern Jordan**
The University of Jordan, Amman - Jordan.
- 1995 **Med Campus Program of European Communities**
Training course for experts in programs on the planning, Reclamation, and protection of the Mediterranean landscape involved in small and large tourist development programs.
The University of Jordan, Amman - Jordan.
Universite' de Saint-Espirit, Kaslik - Lebanon.
Universita di Rome Alasapienza, Rome - Italy.

Affiliation

- 2021- Member of the University of Jordan Distinguished Official Award, King Abdullah II Center for Excellence, and the Chairman of the Fifth Criterion, Jordan
- 2020- Member of the Strategic Plan Committee at the University of Jordan, Jordan
- 2020- Editorial Board Member of Forefront Journal of Engineering and Technology, India
- 2020- Editorial Board Member of Asian Research Journal of Mathematics, India
- 2019- Federation of Arab Engineers (FAE), Egypt
- 2019 Member of the Organizing Committee of the 17th World Conference on Applied Science, Engineering and Technology, Jakarta, Indonesia
- 2019 Member of the Committee for Amending the Code of Special Needs, Ministry of Public Works and Housing
- 2019 Member of the Award of the Ministry of Public Works and Housing for Consultancy Work for 2018 in the Field of Buildings
- 2018-2022 Chairman of the Jordan Engineer Association Committee for Developing Architectural Departments Study Plans and Scientific Certificates in Jordan, Jordan
- 2018- Editorial Board Member of the IEEE Access Journal, United States of America
- 2018 Member of the Committee for the Amendment of the System of Buildings and Organization in the City of Amman, the Ministry of Public Works and Housing
- 2018 Member of the Committee for the Amendment of the Buildings and Organization System for Hospitals in the City of Amman, the Ministry of Public Works and Housing
- 2017 Member of Technical Committee for the Study of Energy Solutions Proposals at the University of Jordan
- 2017 Member of the Jury Committee of the Jo-Green Competition Organized by the Jordanian Hashemite Fund for Human Development
- 2016- Fellow, Royal Society for the Arts (RSA), London, United Kingdom



- 2016 Member of the Review Committee of the 5th Jordan International Architectural Conference, Contemporary Architecture in the Arab World; Opportunities and Challenges, Jordan Engineer Association, Jordan
- 2016 Member of the Modernization and Development of the Standards of Special Accreditation for the Specialization of Architecture in Jordanian Universities Committee, Accreditation and Quality Assurance Commission for Higher Education Institutions, Jordan
- 2014- Editorial Board Member of the International Journal of Materials Science and Applications, Science Publishing Group, United States of America
- 2013 Member of the Jordan Engineer Association Committee for Developing Architectural Departments Study Plans in Jordan, Jordan
- 2013 Member of the Award of the Ministry of Public Works and Housing for Consultancy Work for 2012 in the Field of Buildings
- 2012- Editorial Board Member of the International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development, Transstellar Journal Publications and Research Consultancy
- 2012- Member of the International Review Committee of the Journal of Civil Engineering and Architecture, David Publishing, United States of America
- 2012 Member of the Jordan Engineer Association Committee of the Engineering Diploma Equivalence
- 2011-2012 Member of the Jordan Engineer Association Committee of the Architectural Diploma Equivalence
- 2010-2012 Member of the Computer Committee at the Faculty of Engineering & Technology at the University of Jordan
- 2007- Member of the Board of Directors of the Arab Society for Computer Aided Architectural Design (ASCAAD), and a Member of the International Review Committee
- 1998-2022 Member of the McGill Middle East Program in Civil Society & Peace Building (MMEP)
- 1994- Member of the Jordan Engineer Association (MJE), Architectural Division
- 1994- Member of the Jordanian Association of Architects

Publications

International Journals

- AlFadalat, M., **Al-Azhari, W.**, Dabbour, L. 2023. Procedural Modeling Based Shape Grammar as a Key to Generating Digital Architectural Heritage. *Journal on Computing and Cultural Heritage*, 16 (4), 1-17. <https://doi.org/10.1145/3606701>
- Benaicha, S., Alkama, D., **Al-Azhari, W.** 2023. The Effect of Structural Characteristics of Design on Social Use and Interaction in Public Spaces -The Case of the Theater Square in Algeria. *Dirasat, Human and Social Sciences*, 50 (1), 77-98. <https://doi.org/10.35516/hum.v50i1.4390>
- AlFadalat, M., **Al-Azhari, W.** 2022. An Integrating Contextual Approach Using Architectural Procedural Modeling and Augmented Reality in Residential Buildings: The Case of Amman City. *Heliyon*, 8 (8), 1-15. <https://doi.org/10.1016/j.heliyon.2022.e10040>
- Al-Baik, M., **Al-Azhari, W.** 2021. The Social and the Impact of COVID-19 on Social Behavior in Streets of Amman, Jordan. *International Journal of Sustainable Development and Planning*, 16 (5), 903-913. [DOI:10.18280/ijstdp.160511](https://doi.org/10.18280/ijstdp.160511)
- Al-Najjar, S., **Al-Azhari, W.** 2021. Review of Aerodynamic Design Configurations for Wind Mitigation in High-Rise Buildings: Two Cases from Amman. *Civil Engineering and Architecture*, 9 (3), 708-720. [DOI: 10.13189/cea.2021.090313](https://doi.org/10.13189/cea.2021.090313)
- Al-Azhari, W.** 2020. A Proposed Approach of Case-based Design in Teaching Architecture in Jordan to Support Building Information Modeling. *International Journal of Engineering Research and Technology*, 13 (10), 2685-2694. <https://dx.doi.org/10.37624/IJERT/13.10.2020.2637-2646>
- Al-Azhari, W.** 2020. Design by Shape Grammar Precedents as an Experiential Learning Module of Residential Architecture of Amman City. *International Journal of Engineering Research and Technology*, 13 (10), 2543-2552. <https://dx.doi.org/10.37624/IJERT/13.10.2020.2526-2535>
- Al-Azhari, W.** 2020. A Multi-Functional Layouts Model for Enhancing Affordable Design in Residential Buildings in Amman City. *International Journal of Engineering Research and Technology*, 13 (9), 2115-2123. <https://dx.doi.org/10.37624/IJERT/13.9.2020.2115-2123>



- Al-Azhari, W.** 2020. The Impact of Digital Technologies Using Actor-Network Theory (ANT) to Enhance Social Interaction in the Hashemite Plaza Design in Amman City. *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, 10 (3), 16129-16142. [DOI: 10.24247/ijmperdjun20201530](https://doi.org/10.24247/ijmperdjun20201530)
- Al-Azhari, W.** 2020. Plectic Designing Technology: An Interactive Environmental Model to Support Users' Understanding of Universities Campus Squares: the University of Jordan as a Case Study. *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, 10 (3), 15645-15658. [DOI: 10.24247/ijmperdjun20201488](https://doi.org/10.24247/ijmperdjun20201488)
- Al-Azhari, W.** 2020. TRIZ as a Problem-Solving Approach for Architectural Design Education: The Case of Jordan. *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, 10 (3), 14631-14642. [DOI: 10.24247/ijmperdjun20201392](https://doi.org/10.24247/ijmperdjun20201392)
- Allouzi, R., **Al-Azhari, W.**, Allouzi, R. 2020. Conventional Construction and 3D Printing: A Comparison Study on Material Cost in Jordan. *Journal of Engineering*, 2020 (5), 1-14. <https://doi.org/10.1155/2020/1424682>
- Al-Najjar, S., **Al-Azhari, W.**, 2020. Brutalist Architecture in Jordan: Towards a Codifying Methodology. *Journal of Xi'an University of Architecture & Technology*, 12 (3), 3827-3836. <https://doi.org/10.37896/JXAT12.03/325>
- Graiz, E., **Al-Azhari, W.** 2019. Energy Efficient Glass: A Way to Reduce Energy Consumption in Office Buildings in Amman. *IEEE Access*, 7 (1), 61218-61225. <https://doi.org/10.1109/access.2018.2884991>
- Al-Saleh, S., **Al-Azhari, W.** 2019. Reviving Courtyard Concept Using Electrochromic Glazing System in Residential Building: The Case of Amman City. *International Journal of Civil Engineering and Technology*, 10 (2), 874-889.
- Sari Suleiman, S., Isawi, H., **Al-Azhari, W.**, Shaban, L. 2017. Nurturing Students Design Skill through Analogy and Metaphor Reasoning. *Journal of Engineering and Architecture*, 5 (2), 54-65. <https://doi.org/10.15640/jea.v5n2a5>
- Sari Suleiman, S., Hassouneh, K., **Al-Azhari, W.** 2015. Developing Computer-Based Design Approach to Foster the Architectural Skills of Undergraduate Students in Design Studios. *Journal of Civil Engineering and Architecture*, 14 (8), 902-910. <https://doi.org/10.17265/1934-7359/2015.08.003>
- Abdel-Aziz, D., Al-Maani, D., **Al-Azhari, W.** 2015. Using Pervious Concrete for Managing Storm Water Run-off in Urban Neighborhoods: Case of Amman. *American International Journal of Contemporary Research*, 5 (2), 78-86.
- Al-Azhari, W.**, Haddadin, M., Hiyasat, R. 2014. The Effect of Street Orientation and Surrounding Building Heights on Solar Accessibility in Winter Season in Amman, Jordan. *Architecture and Modern Information Technologies (AMIT)*, 4 (29), 1-11. <https://marhi.ru/AMIT/2014/4kvart14/azhari/azhari.pdf>
- Al-Azhari, W.**, Haddad, L., Al Absi, M. 2014. Large Interactive Media Display and Its Influence on Transformation Urban Spaces from Neglecting to Action: The Case of Al-Thaqafa Street in Amman City. *Journal of Software Engineering and Applications*, 7 (10), 817-827. <https://doi.org/10.4236/jsea.2014.710074>
- Sakhrieh, A., Yaseen, K., Touqan, N., Zakarneh, A., Al-Zamer, A., **Al-Azhari, W.** 2014. Case Design a Sustainable Energy System for an Institute of Cinematographic Art. *Cold and Heat and Air Conditioning Journal*, 1 (468), 34-41.
- Al-Azhari, W.** 2013. Intelligent Building as a Practice of Understanding Human Requirements in Architectural Design. *Scientific Journal of Architecture (SJA)*, 3 (6), 102-109.
- Al-Azhari, W.** 2013. Book Review: A Place to Belong; Community Order and Everyday Space in Calvert, Newfoundland. *The Journal of American Science*, 9 (8), 60-63. <https://doi.org/10.7537/marsjas090813.09>
- Al-Azhari, W.**, Al-Najjar, S. 2013. Transforming Amman: Displaced Iraqis Impact on Architecture and Urban Form. *Australian Journal of Basic and Applied Sciences*, 7 (7), 140-147.
- Al-Azhari, W.**, Goussous, J., Matrouk, M. 2013. Architectural Evaluation and Structural Rehabilitation Studies for a Severely Deteriorated Prototype School Building. *Archives Des Sciences Journal (ADS)*, 66 (4), 229-239.
- Al-Azhari, W.**, Al-Najjar, S. 2013. Amman's Land Typology: The Importance of Site Characteristics on the Delivery of Sustainable Buildings. *Journal of Civil Engineering and Architecture*, 7 (1), 1-10. <https://doi.org/10.17265/1934-7359/2013.01.001>
- Al-Azhari, W.** 2012. Landscape Learning; Xeriscaping Design Techniques: The Case of Jordan University. *International Journal of Applied and Natural Science (IJANS)*, 1 (2), 11-28.



Al-Azhari, W. 2012. The Canadian Model for Housing the Homeless: Case Studies from Three Canadian Cities. *American International Journal of Contemporary Research (AIJCR)*, 2 (10), 14-28.

Al-Azhari, W. 2012. A Study of Housing Identity in Refugee Settlements in Jordan: Al-Wahdat Refugee Camp as a Case Study. *International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS)*, 2 (3), 26-45.

Rjoub, A., **Al-Azhari, W.** 2011. Documenting the Architectural Heritage Resources in Mafraq Governorate Using Geographic Information System (GIS). *Architecture and Modern Information Technologies (AMIT)*, 4 (17), 1-12.

International Conferences

Sakhrieh, A., **Al-Azhari, W.**, Yaseen, K., Touqan, N., Zakarneh, A., Al-Zamer, A. 2012. Case Study of Green Energy System Design for Cinematic Art Institute. In *4th Jordanian IIR International Conference on Refrigeration and Air Conditioning (JIIRCRAC)*, Amman, Jordan, 10-12 September 2012, pp. 1-8.

Goussous, J., **Al-Azhari, W.** 2012. Domes Formation in Mediterranean Islamic Cities. In *The International Congress, Domes in the World*, Florence, Italy, 19-23 March 2012, pp. 101-114.

Al-Azhari, W., Al-Najjar, S. 2012. Challenges and Opportunities Presented by Amman's Land Topography on Sustainable Buildings. In *Third International Conference on Construction in Developing Countries (ICCIDC-III)*, "Advancing Civil, Architectural and Construction Engineering & Management", Bangkok, Thailand, 4-6 July 2012, pp. 25-37.

Al-Azhari, W., Al-Najjar, S. 2012. Amman's Land Typology: The Importance of Site Characteristics on the Delivery of Sustainable Buildings. In *X International Forum "Le Vie dei Mercanti"*, Naples, Italy, 31 May/ 1-2 June 2012, pp. 1009-1023.

Abu Ghanimeh, A., Zgoul, M., Abu-Ghazalah, S., **Al-Azhari, W.** 2006. The Use of Computers in Architectural Research and Practice in Jordan. In *4th FAE International Symposium, Creating the Future*, Gemikonağı, TRNC, Turkey, 30 November/ 1 December 2006, pp. 453-458.