

Alaa Ababneh

alaaababna5@gmail.com

Personal details

Gender: Female

Date of Birth: February 14, 1990

Place of Birth: Amman, Jordan.

Nationality: Jordanian

Marital State: Single

Phone: +962792926009

Education

2023: Ph.D. in classical archaeology, in the field of Digital Heritage, Autonomia de Barcelona university.

2022: M.A. in Conservation and Management of Cultural Resources, Yarmouk University.

2017: B.Sc. in civil Engineering, Jordan University of science and technology

About me

As a highly motivated and dedicated individual, I am committed to applying my engineering skills to the preservation and conservation of cultural heritage sites. My academic background, technical skills, and research experience make me an asset to any team working in this field, and Active in NGO & INGO. I am eager to continue my work in the documentation, preservation, and study of cultural heritage and contribute to the cooperation between our cultures. Earning a B.Sc. in civil engineering and an M.A. in Conservation and Management of Cultural Resources (in many topics such as mosaic conservation and digital technology) gave me a new deep perspective on technology, and archaeology, one of my deep interests since an early age. I have scientific, literary, and historic backgrounds that have helped me advance in my research interest. I have a research background gained from a two-year experience at Yarmouk University, and a field background at Umm Qais Archaeological sites for the Study of Cultural Heritage. Currently, I am studying Ph.D. (classical archaeology), I feel that I strongly contribute to the cooperation between our cultures, in helping to unravel Jordan's heritage by practicing documentation for the welfare of heritage and culture. As a Ph.D. student in classical archaeology, I actively engage in research projects focused on museums and archaeological collections through my training in museum of Jordanian heritage – Yarmouk University. My work involves studying artifacts, conducting archival research, and exploring various museum-related topics. Additionally, I actively participate in conferences, workshops, and seminars related to museums and archaeology, allowing me to network with professionals in the field and stay updated on current trends and practices. I remain

deeply interested in the academic and technical nature of my field, and I continue to be involved with a number of research projects related to documentation, material science, conservation of archaeology, and preservation of cultural heritage, where I find my true self.

Employment

- Department of Statistics. (1/9/ 2017 – 1/ 9/ 2018)
- Greater Irbid Municipality. (1/9/ 2018 – 1/ 9/ 2019)
- Freelance on various projects related to cultural heritage and education. (1/9/ 2021 – 31/ 8/ 2021)
- Participation in Workshop for Conservation of Roman and Late Roman Mosaics, Madaba. (1/7/ 2022 – 31/ 8/ 2022)
- Museum of Jordanian Heritage – Yarmouk University (1/10 / 2021 – 31 / 12 / 2022)
- Department of Antiquities (1/10/ 2021 – 31/ 12/ 2021)
- Research assistant at Yarmouk University. (1/6/ 2021 – 31/ 12/ 2022)
 - Conducted research on material science and conservation of cultural heritage.
 - Assisted with documentation and preservation of archaeological sites.
 - Participated in archaeological Surveys and documentation of the Gadara aqueduct Site.
- PhD Candidate and a researcher at Autonoma de Barcelona University in Spain. (1\2\2023 – present)
 - Participated in archaeological Surveys and documentation of the Jerash site.

Projects, Research, and Field Experience

- AutoCAD Course – Irbid Chamber of Commerce. (01/08/2017 – 30/08/2017)
- Workshop "the writing process easy with step-by-step instructions to create compositions for different text types" – Irbid Chamber of Commerce. (29/08/2018 – 29/09/2018)
- Jordan University of Science and Technology Workshop entitled Urban Planning and Sustainable Development. (29/08/2019)
- A Course on Methods of Maintaining Ancient Buildings– Department of Antiquities \ Umm Qais. (16/10/2021 – 30/10/2021)
- A Course of Conserve and Safety for Heritage Building– Department of Antiquities \ Umm Qais. (01/12/2021 – 01/01/2022)
- Volunteering in archaeological excavations with the scientific mission of Yarmouk University in the Umm Qais Tunnel and assisting the team at the site (01/09/2021 – 01/10/2021)
- Volunteering with the Department of Antiquities, Umm Qais. (01/11/2021 – 10/11/2021)
- Online Workshop entitled New Network Design Processes to Support 3D Reality Capture with TLS important data collection from TLS and model of distribution and Application of TLS in cultural heritage by Prof. Derek Lichti. (19/05/2021)
- Online Gexcel presentation entitled A Review of the New Performance. "A new 3D mapping experience with HERON" (21/09/2021)
- I have extensive experience utilizing laser scanner technology, specifically the Leica BLK360 and GeoSLAM systems, for documenting cultural heritage sites. One notable project involved documenting the intricate network of channels, shafts, and niches in the Gadara Water Tunnel, a remarkable engineering feat from the Roman period supplying water to the ancient city of Gadara in Umm Qais, Jordan. By accurately capturing and processing data using laser scanners, I facilitated the development of a comprehensive conservation and

preservation plan for the tunnel, including generating 3D models and point clouds for analysis and informed decision-making. (1\10\2021 –1\10\2022)

Software Skills

Skilled in cloud registration and mesh generation from point clouds, supporting visualization, analysis, and simulation with export capabilities (e.g., E57 format). Experienced in Abaqus for FEM simulations of complex mechanical structures. Proficient in GIS (e.g., ArcGIS) for geospatial data creation, analysis, and visualization. Versed in AutoCAD for 2D/3D civil design. Proficient in analysis and reporting utilizing Microsoft Excel, Power BI, Tableau, and Google Data Studio.

MANAGEMENT AND LEADERSHIP SKILLS

Throughout my academic studies and professional experiences, I have developed strong management and leadership skills, including strategic planning, team management, effective communication, and problem-solving. I have successfully applied these skills to lead teams, develop and implement strategic plans, communicate research findings, and find innovative solutions in cultural heritage projects.

ORGANISATIONAL SKILLS

My organizational skills encompass time management, resource management, documentation, planning and coordination, proficiency in engineering software like CloudCompare, experience in digital documentation and photogrammetry, knowledge of conservation and restoration techniques for cultural heritage sites, familiarity with archaeological excavation and fieldwork, strong research and analytical skills, and excellent communication and interpersonal abilities.

Publications

- The Prioritizing Heritage Building Maintenance: A Fuzzy Model Approach for Arc de Berà, Spain\ Mediterranean Archaeology and Archaeometry (Acceptable)
- Digital Preservation of Gadara aqueduct Heritage: Utilizing Modern Tools for Documentation and Conservation Jordan journal for history and archaeology (Acceptable)
- Accounting for Heritage Assets in Government Finance Statistics Manual (GFSM) AAUP - Scientific Research Journal (Acceptable)

Conference

- The first scientific conference for postgraduate students - Al-Zaytoonah University 3th-4th May 2023
- Mustansiriyah University - College Of Tourism Sciences 3rd -4th May 2023
- Efficacy Final Workshop and ESICC Conference 2023 3th July 2023
- ESICC Conference 2023 - Energy efficiency, Structural Integrity in historical and modern buildings facing Climate change and Circularity 4th July 2023
- Heritage for Sustainable Peace starts - ICCROM 13th July 2023
- Science Summit at United Nations General Assembly (UNGA78)
- Tallinn Digital Summit 2023 13 Sep 2023
- World PhD Students Summit On Climate Change 26th Sep 2023
- EuropeanaTech 2023 - Explore, Engage, Experience: cultural heritage in the data space and beyond. 10-12 Oct 2023
- Second Annual Heritage Ireland 2030 Summit: Capacity Building for Heritage 25th Sep 2023
- Future of Museums Summit 1th -2th Nov 2023
- European Heritage Summit 27th – 30th Sep 2023

- NEMO European Museum Conference 2023 – and ACTION! Museums in the climate crisis 19th – 21st, Nov 2023
- Third Annual Carbon Dioxide Removal Law & Policy Conference 23rd Nov 2023
- ICTforAg 2023, 7 - 9 Nov 2023.
- Second Annual Heritage Ireland 2030 Summit: Capacity Building for Heritage 25th Oct 2023
- Third Annual Conference on Carbon Removal Law & Policy 9rd Nov 2023
- TU Delft Symposium on Benchmarking Spatial Justice 30th Nov 2023
- ENCATC Congress, entitled “Artificial Intelligence Embraced: the future of the cultural and creative sector” 11th - 13th October 2023
- EuropeanaTech Conference 2023 - Explore, Engage, Experience: cultural heritage in the data space and Beyond 10th – 12th Oct. 2023
- ASOR Annual Meeting 2023\Classical period November 15-18, 2023

Membership

- Jordanian Engineers Association– Civil engineering
- ICOMOS Jordan Scientific Committee for Sustainable Development Goals (ICOMOS Jordan – SDGWG)
- ICCROM Italy – Open Athens 15 April –15 June 2023
- American Society of Overseas Research (ASOR) – Graduate Membership
- Future for religious heritage (FRH)
- SDG Knowledge Hub
- International Committee on Archaeological Heritage management 13 Sep 2023
- European Students' Association for Cultural Heritage (ESACH) 18 Sep 2023
- ASOR 12 Sep 2023
- visitor to the ICA Congress Abu Dhabi 2023 1 Sep 2023
- IPERION HS 4 Sep 2023
- ICOMOS International Cultural Tourism (ICOMOS ICTC) Acade 1 Sep 2023
- Europa Nostra 31 Oct 2023
- SASA 20 Oct 2023

Workshops

- 4th Arab Architecture Week 2023 8-13 Sep 2023
- 3rd Media Wildlife Talks Series: Wild Gems of UNESCO Biosphere Reserves-Arab Region 21 Sep 2023
- Reimagining the Anthropocene: Venice Call to Put Culture at the Heart of Climate Action 28 Sep -6 Oct 2023
- The Management and Protection of Cultural Heritage Seminar 6 Oct 2023
- AIA Archaeology Hour with Elise A. Friedland 27 Sep 2023
- Subnational Governments Innovation to Integrate Vulnerable Community Knowledge into Adaptation Planning and Action Climate Week NYC 17-19 Sep 2023
- Green Jobs for the future 14-15 Sep 2023
- 4th Arab Architecture Week 8-13 Oct 2023
- Research infrastructure and Education: the case of heritage science -IPERION HS 25 Oct 2023
- Workshop on US Clean Mobility by 2035 - ICWS North American Chapter 7 Nov 2023
- Youth4Heritage- Heritage as ad brige for peace and reconciliation Exchanging experience-pooling Resource 16 Nov 2023

Funding project

Scientific Research Support Fund in Yarmouk University – project " safety and stability analysis of the Gadara Tunnel using Terrestrial Laser Scanning"

Events & Courses

- Emission Accounting 101: IFCS Pre– Event with Pijar foundation (Carbon Emission) 3th August 2023
- Archaeological facts about the oldest human settlement in Morocco (antiquities of antiquity) 31th July 2023
- Heritage & Archaeology Diwan #7 22th–23th July 2023

- Europeana Tech 2023 – Explore, Engage, Experience: cultural heritage in the data space and beyond. 10th – 12th, Oct.2023
- Museum courses – The Arab Council of the General Union of Arab Archaeologists – part1&2 22th – 25th July 2023
- UNESCO Bangkok – International Day of Worlds indigenous peoples events 9th August 2023
- NEMO – Digital Learning And Education In Museums: How Innovative Approaches Contribute to the Future of Digital Engagement. 14th August 2023
- African Cities Lab – Digital Governance For Inclusive And Sustainable African Cities 18th August 2023
- NEMO – Majority of European citizens see climate change as a serious problem 9th August 2023
- LEED rating system – Green Building Lecture 30th July 2023
- ICOMOS International Cultural Heritage Tourism Charter \ ICOMOS Malaysia 12th August 2023
- Endangered Archaeology: Using Remote Sensing to Protect Cultural Heritage\ Durham University.
- Water Deliver in Remote Area in India Using Solar Energy 20th August 2023
- Promoting gender contextualization of the SDGs 6 global indicators 20th August 2023
- Rethinking collection action and investment planning for a water secure world 20th August 2023
- Connecting water, DRR and climate change: towards world water forum 20th August 2023
- AIA– Preserving the Archaeological Wonders of Honduras and Nepal Confirmation 29th August 2023
- ICOM code of ethics for Museums\ ICOM Committee 15th June 2023
- UN Learning Session: “Behavior Change: A Toolkit for Ecosystem Restoration” 6th September 2023
- 10th annual OECD Forum on Green Finance and Investment 2–3 October,2023
- AIMES, the Earth Commission, Future Earth, and WCRP \Ecological Tipping Points and Resilience as part of a series that aims to advance the knowledge about tipping points, irreversibility, and abrupt changes in the Earth system 29th Sep 2023
- Emerging technologies and urban inequalities, what implications? 3th Oct 2023
- "Strategic Dialogue on Climate Action, Biodiversity Conservation, and Sustainable Investment in Latin America" September 2023
- Developing & Cascading an AI–Enhanced Sustainability Strategy Confirmation 12th Sept 2023
- Japanese Perspectives in 3D Cultural Heritage Documentation 7th Sep 2023
- ACW Event \ Effective communication for policymakers: How to mobilise for climate action 6th Sep 2023
- Mental Health, Well–being and International Cultural Mobility” 26th Sep 2023
- FRH master class "Reconstruction of religious buildings in 20th and 21st century Europe: monuments, heritage and identity" 25th–26th September 2023 in a hybrid format
- Riga TechGirls NGO Program\ Digital ABC" for NGOs \Turning course 15–22 Sep 2023
- The Management and Protection of Cultural Heritage against Human Risks 6th Oct 2023
- Tracking the invisible barriers slowing climate action, International Institute for Environment and Development (IIED) 22th Sep 2023
- NEMO – Emotion Design: How to make your Museums meaningful 17th Oct 2023
- Climate Risks Impact on Energy and Water Resources– EU chapter 19th Oct 2023
- Climate Change Emergencies & Cultural Heritage Speaker Series 23th Oct 2023
- Discussion on Climate Change and Cultural Heritage 13th Nov 2023
- Climate Change Emergencies & Cultural Heritage Speaker Series 6 Nov 2023
- Breaking the Plastic Habit in Asia: A Public Dialogue On the Application of Behavioural Insights 9th Nov 2023
- Cultural leadership in arts and cultural organizations: Do we have the right skills and competences for the new scenarios? 27 October 2023
- Financing Green Cooling – Opportunities for Financial Institutions 31 October 2023, virtually
- A catalytic journey toward governance of large–scale CDR and SRM – perspectives from stakeholders 30 October 2023
- UN Event – Global Observance of the World Cities Day 31 October 2023
- Climate Risks Impact on Energy and Water Resources – ICWS European Chapter 17th

