

Personal Data



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Education

2006 Ph.D Science and Engineering of Materials, GPA=3.9 Arizona State University, USA.

1997 M.S. Earth and Environmental Science.Yarmouk University, Irbid, Jordan. GPA=84%;

1995 B.Sc. Earth and Environmental Science. GPA=74.8%, Yarmouk University, Irbid, Jordan.

Work Experience

2017- Present Dean Assistant, Department Head, Department of Conservation science, The Hashemite University, Jordan.

2016- 2017 Sabbatical leave at Yarmouk University, Irbid, Jordan.

2014- 2015 Vice Dean, Deanship of Student Affairs, the Hashemite University, Jordan.

2013- Present Associate professor, Department Of Conservation Science, the Hashemite University, Jordan.

2010-2013 Department Head, Department of Conservation science, The Hashemite University, Jordan.

2007-2103 Assistant Professor, Department of Conservation Science, The Hashemite University, Jordan.

2008-2010 Lecturer, Non destructive test center for materials, The hashemite University, Jordan.

2008-2009 Lecturer, Department of civil engineering, and Industrial Engineering, Materials Hashemite University, Jordan.

2008-2011 Research Associate, Composite materials, Duisburg-Essen University, Germany.

2004-2006 Lecturer, School of Materials, ASU, Tempe, Arizona, USA.

2003-2006 Research Associate. Mineral Sequestration group, Department of Energy and Arizona State University, USA.

1998-2003 High school Geology Teacher, Eltaibeh High school, Irbid, Jordan.

1995-1998 Teacher and research assistant in the Department of Earth and Environmental Sciences, Yarmuok University, Irbid, Jordan.

1995-1997 Work as a research assistant at the Sliding Center, Yarmuok University, using the very low frequency EM16 for exploring the groundwater and other geological features.

Publications:

- Wassef Al Sekheneh ,Antonio Doménech-Carbó ,Firas Alawneh ,Atef Shiyab , and Ziad Al Saad Authentication of Roman Corroded lead Artifacts from Archaeological Site in Calcareous Environment in Jordan by Electrochemical Analysis, *Mediterranean Archaeology and Archaeometry*, (2017) .Accepted 23/ October 2017 published in Dec 2017,Vol.17, No.3.

- **Firas Alawneh**, Atef Al Shiyab, Wassef Al Sekheneh, *Chemical Analysis of late Roman Glass form Qasr Al Rabbah , Jordan, Mediterranean Archaeology and Archaeometry* , Accepted August 24 published in Dec 2017,Vol.17, No.3.

- **Firas Alawneh**, Raed Al Ghazawi and Fadi Balaawi, *Culture Heritage and the Idea of Jordan museums. Asian Social Science Journal*, Vol. 8, No 7, June 2012, Accepted on March 13, 2012,

- **Firas Alawneh** and Fadi Balaawi, *Chemical and Mineralogical Study of Nabataean Painted Pottery from Petra, Jordan. Mediterranean Archaeology & Archaeometry (MAA)*. Accepted on 28 February, 2012.

- Al-Masri., E., **Alawneh, F.**, and Bala'awi, F., 2012. *Nabataean Jewellery and Accessories. Ancient Near Eastern Studies* vol. 50; (2012).

- Bala'awi, F., **Alawneh, F.**, Alshawabkeh, Y., and Al Masri E., 2011. *Damage Assessment and Digital 2D-3D Documentation of Petra Treasury. Mediterranean Archaeology & Archaeometry (MAA)*. Accepted on 5 December 2011.

- Bala'awi, F., **Alawneh, F.**, Alshawabkeh, Y., and Hadad, N., *Physical and Mechanical Properties of Historic Building Materials: Towards Conservation and documentation of Qusayr Amra in Jordan. Jordan Journal for History and Archaeology. Accepted for publication on 15 December 2011. Submitted on 27 February 2011.*

- **Alawneh, F.**, and Bala'awi, F., Alshawabkeh, Y. and Hadad, N. *Analytical Identification and Conservation Issues of Painted Plaster from Qaser Amra in Jordan. International Journal of Conservation Science*. Volume 2, Issue 4, October-December 2011: 235-250.

- Shvartsman, V. V.; **Alawneh, F.**; Borisov, P.; Kozodaev, D.; Lupascu, D. C. *Converse magnetoelectric effect in CoFe₂O₄-BaTiO₃ composites with a core-shell structure, Smart Materials and Structures*, Volume 20, Issue 7, pp. 075006 (2011).

- Kupreviciute¹, J. Banysi¹, T. Ramoska¹, R. Sobiestianskas¹,**F. M. M. Alawneh**², V. V. Shvartsman³, and D. C. Lupascu, *3Dielectric Properties and Conductivity of Iron Oxide-Barium Titanate Composites, Ferroelectrics*, **418:94–99, 2011.**

Conferences and Workshops

- Delegate at the Saraya Museum Conference, Al Saraya Days for Culture, Knowledge and art, **28-31 March 2011**, Saraya Musuem, Irbid-Jordan. Paper title: Learning through Museums: New Approach.
- Delegate at qusarir Amra workshop, **2-3 February 2011**, Amman Jordan. Organized by The Department of Antiquities in Jordan World Heritage Fund, ISCR and *UNESCO*. Paper title: Laser scanning and site analyses
- Member of the organizing committee for the international conference *CSAAR 2011: Conservation of Architecture, Urban Areas, Nature & Landscape: Towards a Sustainable Survival of Cultural Landscape*. **14-16 March, 2011** Amman –Jordan.
- Member of the scientific committee for the international conference *CSAAR 2011: Conservation of Architecture, Urban Areas, Nature & Landscape: Towards a Sustainable Survival of Cultural Landscape*. **14-16 March, 2011** Amman –Jordan.
- Delegate at 37th International Symposium on Archaeometry, Siena, Italy 2008.
- The second workshop on Science and Technology, 5-8 July 2009, organized by the Aristotle University of Thessaloniki (Greece) and Yarmouk University (Jordan), Irbid Jordan.
- The Sixth International Conference on Science and Technology in Archaeology and Conservation, 9-12 December 2008, Rome – Italy
- Fifth Annual Conference on Carbon Capture & Sequestration Steps toward Deployment CO2Conversion May 8-11, 2006 • Hilton Alexandria Mark Center • Alexandria, USA.
- Third International Conference on Science and Technology in Archaeology and Conservation, 7-11 December 2004, Hashemite University, Jordan.
- Second International Conference on Science and Technology in Archaeology and Conservation, 7-11 December 2003, Hashemite University, Jordan.
- The 6th Jordanian Geological Conference, 6-15 October 1998, Amman – Jordan.

Projects and Prizes

Projects:

- **Main Researcher in the Jordanian side in the EU project "New Archaeological Research Network for Integrating Approaches to ancient material studies "**, FP7 project. Funded by the European Union. Projects budget 4.6 Million Euro. October 2010.

Curriculum Vitae

- **Main Researcher** in the research found project founded by The ministry of Higher Education. *Cultural Heritage Sites under Risk: The Case of Jordan*. 25 March 2010.
- **Researcher with Jordanian Team** of *Environmental Conditions and Preventive Conservation at the World Heritage Site of Petra, Jordan*. Funded by the Spanish Agency (PCI) Technical Cooperation Office, Spain. Project period: from 17 January 2010 to 17 January 2011.
- **Main researcher** in the research founded by Hashemite University. *Mineralogical investigation of ancient materials, case study building materials in different archaeological sites, Jordan*. Project period October 2010 till December 2011.

Research Interests:

- Metallurgy
- Salt damage in porous building materials.
- Material properties and characterization.
- Solid state chemistry and mineralogy.
- Petrography and geochemical analysis of stone materials.
- Physical and chemical analysis of archaeological materials
- Composite materials.
- Archaeometry
- Conservation of archaeological artefacts

Curriculum Vitae