



AMMAN - JORDAN

المستوى الذهبي

فمن جعل من أردن العرب جامعة للعرب

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CURRICULUM VITAE
(Last Updated: June 2020)

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PERSONAL DATA **Born:** October, 13th 1974; **Place:** Irbid, Jordan **Nationality:** Jordanian

EDUCATION **B. S.** Civil Engineering, Water Resources and Environmental Engineering. Jordan University of Science and Technology, Irbid, Jordan, 1997
Ph. D. Water Resources Engineering, University of Wales, Bangor, United Kingdom, 2002.

TITLES OF THESES **Ph.D.** Evaluation of Surface Water Resources of Marab Hassan in the Northeast Badia of Jordan

JOB HISTORY **2019-Now** Associate Professor of Civil Engineering and Head of Civil Engineering Department, Civil Engineering Department, Applied Science University, Amman, Jordan
2006 - 2019 Assistant Professor of Civil Engineering, Civil Engineering Department, Applied Science University, Amman, Jordan.
2004-2006 Water Resources and Supply Expert, SMAP Project, Ministry of Environment, Amman, Jordan.
2002-2003 Lecturer, Centre for Arid Zone Studies, University of Wales, Bangor, UK

TEACHING EXPERIENCE **Undergraduate Courses:** Fluid Mechanics, Hydraulics, Water Resources Engineering, Hydrology, Environmental Pollution and Advance Treatment, Water and Wastewater Treatment, Sanitary Engineering, Environmental Engineering, Principles of Research methods and Technical Writing, Statics.
Graduate level: Hydrological Processes and principles of hydrology.

RESEARCH INTERESTS Water harvesting, water resources management, green buildings, ethno-climatology and solid waste management.

SCHOLARSHIPS, HONORS AND AWARDS

- United Kindom Department for International Development Scholarship, November 1997.
- Karim Rida Said Foundation Scholarship, November 2000.

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- Arab-British Chamber Charitable Foundation Scholarship, December 2001.
 - Professional Classes Aid Council Scholarship, June 2002.
- British Foundation for Women Graduate scholarship, August 2002.

MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

- International Water Resources Association (IWRA), USA.
- Jordanian Engineers Association, Jordan.
- Jordan Environmental Society (JES), Jordan.
- Royal Academy of Science International Trust (RASIT), UK.
- Scientific Arab Society (SAS), UK.

MEMBERSHIP OF UNIVERSITY COMMITTEES

- Rapporteur of the **Exams Committee, Engineering Faculty**, 2016/2017 academic year.
- Rapporteur of the **Exams' Committee, Civil Engineering Department**, 2015/2016 and 2016/2017 academic years.
- Rapporteur of the **Courses Equivalency Committee, Civil Engineering Department**, 2010/2011, 2013-2017 academic years
- Rapporteur of the **Curriculum Committee, Civil Engineering Department**, 2015/2016 and 2016/2017 academic years.
- Rapporteur of the **Private Accreditation Committee, Civil Engineering Department**, 2013/2014, 2014/2015, 2016/2017, 2017/2018 and 2018/2019 academic years.
- Rapporteur of the **Alumni Committee, Civil Engineering Department**, 2016/2017 and 2017/2018 academic years.
- A member at **Academic Schedule Committee, Civil Engineering Department**, 2016/2017 2017/2018 and 2018/2019 academic years.
- A member at the **Investigation Committee, Civil Engineering Department**, 2016/2017 academic year.
- A member at the **Appointment Promotion Committee, Civil Engineering Department**, 2017/2018 academic year.
- A member at the **Scientific Research Committee, Civil Engineering Department**, 2017/2018 academic year.
- A member at the **Quality Assurance an ABET Committee, Civil Engineering Department**, 2018/2019 academic year.
- A member at the **Graduation Projects Committee, Civil Engineering Department**, 2018/2019 academic year.
- A member at the **International Relations and Community Service Committee, Civil Engineering Department**, 2018/2019 academic year.
- A member at the **Faculty of Engineering Council**, 2009/2010, 2016/2017 and 2017/2018 academic years.

PROFESSIONAL AND SCIENTIFIC MEETINGS (CONFERENCES, CONVENTIONS, SYMPOSIA AND TRAINING COURSES) (Last ten years)

- (2018) GIS Training course for Civil Engineering students at the Applied Science University.
- (2013) Global conference of Energy, Soil, Water, Air and Environment", Antalya, Turkey
- (2012) International conference on water resources: Sharing knowledge in issues of water resources management to face the future", Langkawi, Malaysia.
- (2010) Water Quality 2010 Conference, University of Leeds, United Kingdom.

PUBLICATIONS

BOOKS OR BOOK CHAPTERS

- 1) AlAyyash S., F. Nnadi and **R. S. Shatnawi**, (2008). A surface water management tool for arid lands using GIS – a Jordan Badia case study. In: **R. Dutton (editor) and M. Shahbaz (editor), Jordan's Arid Badia – Deepening our Understanding, Chapter 22, PP 355-370, Smith-Gordon and Company, London, UK.**
- 2) **R. S. Shatnawi**, S. M. Alayyash, C. R. Cratchley and J. A. Kay, (2008) Water resources management for rain-fed agriculture in the north-east Badia. In: **R. Dutton (editor) and M. Shahbaz (editor), Jordan's Arid Badia – Deepening our Understanding, Chapter 23, PP 371-388, Smith-Gordon and Company, London, UK.**

JOURNAL PAPERS

- 1) **Shatnawi, R. S.**, AlAyyash, S.M. and A. Abdellhadi, (2014). Rainy Season Assessment of Azraq Basin in Eastern Jordan. “**Research Journal of Applied Sciences, Engineering and Technology**”, 8(1):120-123. Received: 19/03/2014, Accepted: 15/04/2014
- 2) AlAyyash, S. Al-Meshan, O. and **Shatnawi, R.** (2017). Application of Bio-solids as Soil Amendment in arid Rangeland of Jordan. “**Journal of Environmental Protection**”, 8(3):344-357. Received: 31/01/2017, Accepted: 28/03/2017
- 3) **Shatnawi, R.S.** (2018). Solid Waste Management: Classification and Public Perception on Management Options at Applied Science University. “**Jordan Journal of Civil Engineering**”, 12(3):379-388. Received: 19/08/2017, Accepted: 05/01/2018
- 4) **Shatnawi, R.S.** (2019). Rooftop Runoff Water Quality in University Buildings, Case Study at Jordan Applied Science Private University. “**Journal of Engineering Science and Technology**”, Accepted for publishing in volume 14, issue 2 (April 2019).
- 5) Mohammed H. Al-Smairan, Saad M. Alayyash and **Rania S. Shatnawi** (2019). Socio economic effects of solar home systems in Jordan Badia- A case study in Rawthat albandan village. “**International Journal of sustainable development and planning**”, 14(3) 191–201.

CONFERENCE AND WORKSHOP PAPERS

1. R. S. Shatnawi, (2013). Drought assessment of Eastern Jordan. *Proceedings of Global conference of Energy, Soil, Water, Air and Environment*. Antalya, Turkey, 8-10 November 2013.
2. **R. S. Shatnawi**, and S. M. AlAyyash, (2012). Predicting Rainfall Season in Jordan Using El-Niño and La-Niña Climatic Phenomena Indices. *Proceedings of International conference on Water Resources: Sharing knowledge in Issues of Water Resources Management to Face the Future*. Langkawi, Malaysia, 5-9 November 2012.
3. S. M. AlAyyash, **R. S. Shatnawi**, A. N. Hamaideh and H. M. Saoub, (2012). Simple, low cost, and scientifically based community rainwater harvesting systems-Jordan. *Proceedings of International conference on Water Resources: Sharing knowledge in Issues of Water Resources Management to Face the Future*. Langkawi, Malaysia, 5-9 November 2012.

REFERENCES

1. **Dr. Ayman Abu Baker**, Dean, Associate 3 Professor of image processing and

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- machine learning, Dean for Faculty of Engineering at Applied Science University, Amman, Jordan. Email: a_abubaker@asu.edu.jo, Tel: +962.6.560.9999 Ext 1495,
<http://engf.asu.edu.jo/index.php/en/dean-s-info>
2. **Prof. Mohammed T. Obaidat**, Professor of Civil Engineering, at Jordan University of Science and Technology, Irbid, Jordan. Email: mobaidat@just.edu.jo, Tel: +962.2 7201000, Ext. 22125
<http://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=mobaidat>
 3. **Dr. Ma'en Abdel Jaber**, Associate Professor of Civil Engineering, Applied Science University, Amman, Jordan. Email: maenaj@asu.edu.jo, , Tel: +962.6.560.9999, Ext: 1431.
<https://www.asu.edu.jo/en/engineering/Civil/Pages/Head-of-Department.aspx>
 4. **Dr. Mohammed Al Sheriadeh**, Associate professor of Civil Engineering, Jordan University of Science and Technology, Irbid, Jordan. E-mail: alsheria@just.edu.jo, Tel: +962.2 7201000, Ext. 22137,
Web: <http://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=alsheria>