

Prof. Omar S. Abu-Rizaiza

Professor, Civil Engineering Dept., King Abdulaziz University

Education

<i>Degree</i>	<i>Discipline</i>	<i>Institution</i>	<i>Year</i>
PhD	Civil Engineering	Oklahoma University, U.S.A	1982
MS	Civil Engineering	Oklahoma University, U.S.A	1979
BS	Civil Engineering	King Saud University	1975

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
1996	Present	King Abdulaziz Univ.	Professor		Full Time
1988	1996	King Abdulaziz Univ.	Assoc. Prof.		Full Time
1982	1988	King Abdulaziz Univ.	Assist. Prof.		Full Time
1976	1982	Oklahoma University	Graduate Assistant.		Full Time

Non-Academic Experience

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position description (Brief)</i>
N/A				

Certifications and Professional Registrations

Saudi Arabia, Arab Gulf Countries

Saudi Council of Engineers, Saudi Arabia

Current Membership in Professional Organizations

<i>Member Since</i>	<i>Rank</i>	<i>Society/organization</i>
2012	Member	Water Science & Technology Association (WSTA)
2010	Member	Saudi Society of Civil Engineering. Saudi Council of Engineers, Saudi Arabia (SCE)

Honors and Awards

1. Award for the second-best scientific research entitled "Reducing the water table level" at the Faculty of Engineering, University of King Abdulaziz Chamber from of the Commerce and Industry, 1989.

Service activities (within and outside of the institution)

1. General Director, Unit for Ain Zubaida Rehabilitation and Ground Water Research. 2007 to date
2. Director, Water Research Centre, from 2004 to 2007.
3. Vice President, Water Research Centre, from 1999 to 2004.
4. Part-time Consultant in Development Commission of Makkah, Al-Madina Al-Munawarah and Holy Areas.
5. Member of the National Committee of the environment, of Meteorology and Environmental Authority, 2006.
6. Member of the Committee on Scientific Assembly Saudi Arabia of Water, King Fahd University of Petroleum and Minerals, Dhahran, 2006.
7. Member working group preparing the strategic plan for the resettlement programme and the development of advanced techniques of water, King Abdulaziz City for Science and Technology, Riyadh, the e in 2007 - until now.
8. Team member preparing national strategy draft to preserve biodiversity in Saudi Arabia, the Committee on Health Affairs and environmental Shura Council, Riyadh, from 2007 - until now.
9. Member tribunal in the journal Water Research.

Principal Publications/Presentations from the Past Five Years

10. "Forecasting annual water demands dominated by seasonal variations: the case of water demands in Mecca". Robert McNown, Omar S. Aburizaiza, Charles Howe, Nathan Adkins. Applied Economics, Taylor & Francis, 2015, Vol. 47, No. 6, 544-552.
11. "Obesity and public health in Kingdom of Saudi Arabia". Erica DE Nicola · OS Aburizaiza · Azhar Siddique · Haider Khwaja · DO Carpenter. Reviews on environmental health, 09/2015; 30(3):191-205. DOI:10.15.15/reveh-2015-00083
12. "Climate Change and Water Scarcity: The Case of Saudi Arabia". Erica DE Nicola, Omar S. Aburizaiza, Azhar Siddique, Haider Khwaja, David O. Carpenter. Annals of Global Health. Volume 81, Issue 3, 2015, Pages 342–353. doi:10.1016/j.aogh.2015.08.005
13. "A high resolution look at black sand particles from sand dunes in Badar, Saudi Arabia using Electron Microscopy". Haider Abbas Khwaja, Omar S. Aburizaiza, Daniel L Hershey, Azhar Siddique, David A Guerrieri, Jahan Zeb, Mohammad Abbass, Donald R. Blake, Mirza M. Hussain, Abdullah J. Aburizaiza, Malissa A. Kramer and Isobel J. Simpson. Atmosphere 2015, 6, 1175-1194; doi: 10.3390/atmos6081175.
14. "Road Traffic Injury as a Major Public Health Issue in the Kingdom of Saudi Arabia: A Review". Erica DE Nicola, Omar S. Aburizaiza, Azhar Siddique, Haider Khwaja, David O. Carpenter. Frontiers in Public Health. 4:215. September 2016. DOI: 10.3389/fpubh.2016.00215
15. Mahar, G.A., Aburizaiza, O.S., 2016. Degree of Wastewater Treatment versus Types of Reuses: Case Study, Saudi Arabia. Global Nest Journal. VI. 18(3), 569-581. (IF 0.468)
16. "Chemical Characterization and Source Apportionment of PM2.5 in Rabigh, Saudi Arabia". Shedrack R. Nayebare, Omar S. Aburizaiza, Haider A. Khwaja, Azhar Siddique, Mirza M. Hussain, Jahan Zeb, Fida Khatib. Aerosol and Air Quality Research, 2016, 16(12):3114-3129. doi: 10.4209/aaqr.2015.11.0658. ISSN: 1680-8584 print / 2071-1409 online.
17. "Characterization of methane, carbon monoxide and non-methane hydrocarbons in the atmosphere of Jeddah, Mecca, and Medina (Saudi Arabia): first findings and comparison with Lahore (Pakistan) and Singapore". Barbara Barletta, Isobel J Simpson, Nicola J. Blake, Simone Meinardi, Omar S. Aburizaiza, Azhar Siddique, Jahan Zeb, Liya Yu, Haider A. Khwaja, Donald R. Blake. Journal of Atmospheric Chemistry, 2017, 74(1):87-113. DOI: 10.1007/s10874-016-9343-7. Online ISSN: 1573-0662
18. "Standards of Wastewater Reuse/Disposal in KSA: Reconsideration, Omar S. Aburizaiza, Gohar A. Mahar, Int. J. Econ. Environ. Geol. Vol. 8(3), 56-65, 2017.
19. "Association of fine particulate air pollution with cardiopulmonary morbidity in western coast of Saudi Arabia." Shedrack R. Nayebare, Omar S. Aburizaiza, Azhar Siddique, David O. Carpenter, Jahan Zeb, Abdullah J. Aburizaiza, Cristian Pantea, Mirza M. Hussain, Haider A. Khwaja. Saudi Medical Journal, 2017; Vol. 38(9): 905-912.

Recent Professional Development Activities

AAU/ASU Workshops