

CURRICULUM VITAE

Dr. Saleem Saleh Abdulaziz AlSaleem

Environmental Engineer

Contact Information

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Personal Information

Profession: Assistant Professor, Dean of Architectural and Planning College
Nationality: Saudi
Place of Birth: Saudi Arabia
Date of Birth: Nov. 07, 1977
Marital Status: Married
Current Address: P.O. Box. 6677,
Buraidah 51452
Civil Engineering Department,
College of Engineering,
Qassim University (QU),
Qassim, Saudi Arabia.



Qualifications

- Ph.D. in Civil Engineering in the field of Environmental Engineering from King Saud University, Riyadh, Saudi Arabia, 10 Feb 2015 (21/4/1436 H). (Defence: 16 Nov 2014)
Dissertation “Using Potassium Superoxide for Destruction of Extracted Halogenated Hydrocarbons from Water by Ionic Liquids”
- M.Sc. in Civil Engineering from King Saud University – Saudi Arabia, 27 Aug 2007 (14/8/1428H).
Dissertation “Performance Analysis of Sanitary Wastewater Treatment Plants: Reliability-Based Analysis”
- B.Sc. in Civil Engineering from King Saud University – Saudi Arabia, 21 Jun 2000 (19/3/1421H).
SDP “Stochastic Generating of Evaporation at King Fahad Dam Reservoir in Saudi Arabia”

Research Interests

- Environmental Engineering:
 - Water Treatment Processes
 - Wastewater Treatment Processes

- Advanced Treatment Processes
- Water Quality Control
- Solid Waste Management

Profession & Employment

1. From 2001 to 2007
Employer: Natural Resource & Environmental Research Institute, King Abdulaziz City for Science and Technology, Riyadh
Position: Researcher
2. From 2007 to 2009
Employer: Qassim Research Station, King Abdulaziz City for Science and Technology, Qassim
Position: Manager
3. From 2014 to 2015
Employer: Qassim Research Station, King Abdulaziz City for Science and Technology, Qassim
Position: Assistant Research Professor
4. From 2015 to 2016
Employer: College of Engineering, Qassim University, Qassim, Saudi Arabia
Position: Assistant Professor
5. From 2016 to Now
Employer: Studies and Consulting Services Institute, Qassim University, Qassim, Saudi Arabia
Position: Head of Echo Eco Consulting Office “House of Experience”.
6. From 2016 to 2017
Employer: College of Engineering, Qassim University, Qassim, Saudi Arabia
Position: Vice Dean
7. From 2017 to 2017
Employer: College of Architecture and Planning, Qassim University, Qassim, Saudi Arabia
Position: Vice Dean for Academic Affairs
8. From 2017 to Now
Employer: College of Architecture and Planning, Qassim University, Qassim, Saudi Arabia
Position: Dean

Professional Societies

- American Society of Civil Engineers (2014-Now)
- Saudi Council of Engineers (2013-Now)

Councils

- Member of the Civil-Engineering-Department Council (2014-Now)
- Member of the environmental engineering group at the civil engineering department (2014-Now)
- Member of the College of Engineering Council (2015-2017)
- Advisor of the summer and COOP training program of the College of Engineering (2015-2017)
- Member of the committee of training and scholarship at QU (2016-2019)

- Member of Executive Committee for Sustainability Development in Qassim University (2017-Now)
- Member of Qassim University Council (2017-Now)
- Member of Students Problems in Qassim University (2017)
- Member of the Architecture Department Council (2017-Now)
- Member of the College of Architecture and Planning Council (2017-Now)

Technical Experience

- Working experience in water and wastewater sample analyses; conducting chemical, biological, and physical analyses (till now).
- Worked with the team of Echo Eco Consulting Office (2015-Now)
- Participated in executing various research tasks with researcher team from Environmental Research Institute, King Abdulaziz City for Science and technology for water research: site visit, data collection, data analysis, sample analysis, and report writing (2001-2014).
- Participated in executing various research tasks with researcher team from Prince Khlaid chair for water research: site visit, data collection, data analysis, sample analysis, and report writing (2012).
- Surveyed 18 wastewater treatment plants in different cities in Saudi Arabia for data related to wastewater characteristic, design information, operational and maintenance problems, and construction and operational costs (2005-2007).
- Participated in writing the final report of project funded by King Abdulaziz City for Science and Technology for “Evaluation of oxidation-ditch process for the biological treatment of municipal wastewater in Saudi Arabia” (2011).
- Worked with the team working on transform the power supply of RO water treatment plant from conventional energy to solar energy (2014).
- Working experience in operation of the following instruments: High Performance Liquid Chromatography (HPLC, Agilent), Gas Chromatography (GC, Agilent), FTIR Spectrophotometer; UV-vis Spectrophotometer (2011-2014).
- Reviewed the process design of Food Waste Anaerobic Digestion Process, in Buraidah city (2014).
- Carried out site visits to collect data for solid waste dumping site in Buraidah city in Qassim Region (2013).
- Worked with the team of environmental impact assessment of Awazil Manufacturer, in Riyadh (2004).
- Worked with the team of environmental impact assessment of Jordan Phosphate Manufacturer, Tabuk (2003).

Teaching

- Teaching under- and post-graduate courses in the areas of Environmental Engineering, Department of Civil Engineering, Qassim University, Saudi Arabia (No of Students: 100, No of Courses: 6, Credit Hours: 20) (Till Now)
- Teaching in the areas of Water & Wastewater Treatment, Department of Civil Engineering, Qassim University, Saudi Arabia (Till Now)
- Instructed tutorial and explained laboratory experimental work for Water & Wastewater Treatment, department of Civil Engineering, King Saud University, Riyadh, SA (2003 – 2004)

Selected Research

- Removal of Trihalomethanes Precursors in Drinking Water by Using Granular Activated Carbon.
- Performance Analysis of Sanitary Wastewater Treatment Plants: Reliability-Based Analysis.
- Using Potassium Superoxide for Destruction of Halogenated Hydrocarbons from Water.
- Using Ionic Liquids for Extraction of Halogenated Hydrocarbons from Water.

Community Service

- Advisor of the Student Club at the College of Engineering (2016)
- Council Member of “Arrayan and Annahdah” District Commission for Social Development (2012-now).
- Convener of a Memorandum of Understanding between the College of Engineering and STC Company

Supervision of Dissertation Work

– MSc Thesis

Name	Title	Year	Position
AlHarbi, S	Characterization and Treatment of Ablution Water	2016/2017	Co-Supervisor
AlMahmood, A	Treatment and recycling of Backwash water from water Treatment Plant	2016/2017	Co-Supervisor

– Senior Design Project (SDP), Undergraduate students

Name	Title	Year	Position
SDP Group	Design of Water Treatment Plant for the City of Buraydah	2016/2017	Examiner
SDP Group	Design of Wastewater Treatment Plant for the City of Buraydah	2016/2017	Examiner
SDP Group	Design of Wastewater Treatment Plant for Qassim University	2016/2017	Examiner
SDP Group	Design and Optimization of Water Distribution System for the City of Buraydah	2016/2017	Examiner
SDP Group	Design of Water Treatment plant for QU	2015/2016	Examiner
SDP Group	Design of Water Treatment plant for QU	2015/2016	Examiner
SDP Group	Analysis of Arromah Wadi Dam	2015/2016	Examiner

Publications

- **AlSaleem, S.**, “Rainfall–Runoff Analysis for Sustainable Stormwater Drainage for the City of Madinah, Saudi Arabia”, *Arabian Journal for Science and Engineering* (2018) 43: 1955.
- Shafiquzzaman, Md and Al-Mahmud, Abdullah and **AlSaleem, Saleem S.** and Haider, Husnain, Application of a Low Cost Ceramic Filter for Recycling Sand Filter Backwash Water, *Water*, Volume 10, 2, 2018, 2073-4441, DOI 10.3390/w10020150
- AlNashef, I.M.; Sulaiman, R.; **AlSaleem, S.S.** “Treatment of Refractory Organic Pollutants using Ionic Liquids” ‘Chapter 3 in *Organic Pollutants in Wastewater II: Methods of Analysis, Removal and Treatment*’ Edited by Inamuddin, Mohd Imran Ahamed, Shadi Wajih Hasan, 2018. 93-121
- **AlSaleem, S.**; Waleed M. Zahid, Inas M. Alnashef, Husnain Haider, “Extraction of halogenated hydrocarbons using hydrophobic ionic liquids”, *Separation and Purification Technology*, Volume 184, 31 August 2017, Pages 231-239
- Ghumman, Abul Razzaq; Al-Salamah, I.; **AlSaleem, S.**; and Haider, H. “Evaluating the impact of lower resolutions of digital elevation model on rainfall-runoff modeling for ungauged catchments” *Environ Monit Assess*, 2017;189(54), DOI 10.1007/s10661-017-5766-0
- **AlSaleem** et al. “Solubility of Halogenated Hydrocarbons in Hydrophobic Ionic Liquids: Experimental Study and COSMO-RS Prediction” *J. Chem. Eng. Data*, 2015, 60 (10), pp 2926–2936 DOI: 10.1021/acs.jced.5b00310.
- Sabry, T.; Hamdy, W.; and **AlSaleem, S.**, “Application of Different Methods of Natural Aeration of Wastewater and their Influence on the Treatment Efficiency of the Biological Filtration” *Journal of American Science*, 2010;6(12)
- Alshaihk, A. and **AlSaleem, S.**, “Stochastic Generating of Climatic Factors Affecting Evaporation for King Fahad Dam Reservoir in Saudi Arabia”, 2nd World Engineering Congress, Sarawak, Malaysia, 22-25 July 2002 (2002 WEC), At Sarawak, Malaysia.
- Md Shafiquzzaman, Husnain Haider, **Saleem Saleh AlSaleem**, Abdul Razzaq Ghumman and Rehan Sadiq, “Development of Consumer Perception Index for assessing greywater reuse potential in arid environments”, *Water SA*, 2018, Vol. 44 No. 4.