

## **Personal Data**

**Name:** **Osama Saad Al-Gahtani**  
**Nationality:** Saudi  
King Saud University  
Civil Engineering Department,  
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**Citations (Scholar):**

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## **Education**

<b>Degree</b>	<b>Institution</b>	<b>Discipline</b>	<b>Year</b>
<b>B.Sc.</b>	King Saud University	Civil Engineering	1995
<b>M.Sc.</b>	Colorado State University, USA	Water Res. Engineering	2001
<b>Ph.D.</b>	Colorado State University, USA	Water Res. Engineering	2006

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## **Academic Experience**

**Current Position:** Assistant Professor, Civil Eng. Dept., King Saud Univ., Riyadh (2016-Present)

**Previous Positions  
Held in the Faculty:**

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## **Non-Academic Experience**

2018-2019: Deputy General Director- Water Planning, Director of water risk and disaster department and Advisor to the Water Affairs Deputy- Ministry of Water, Environment and Agriculture of Saudi Arabia  
2017-2018: Senior Advisor to the Governor of Electricity and Co-generator Regulatory Authority (2017-2018)  
2010-2016: Dean of the Engineering College Prince Sattam bin Abdulaziz University  
2014-2015: Technical Advisor for the National Water Company, Saudi Arabia (part time)  
2009-2010: Vice Dean of Engineering College at Alkharj- King Saud University  
2009-2013: Vice Chairmen of the bidding and review committee in Prince Sattam bin Abdulaziz University  
2004: Summer Research Assistant, World Bank, Water Resources and Environmental Department for the Middle East and North Africa, Washington DC, USA

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## **Certifications or Professional Registrations**

- Consultant Engineer (from the Saudi Commission for Engineers)
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## **Current Membership in Professional Organizations**

1. International water association
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### **Service Activities (within and outside of the institution) in last 5 years**

- 2016- present: Assistant Professor in King Saud University-Civil Engineering, Riyadh-Tenure Track position
- -2019: Deputy General Director- Water Planning, Director of water risk and disaster department and Advisor to the Water Affairs Deputy- Ministry of Water, Environment and Agriculture of Saudi Arabia
- 2017-2018: Senior Advisor to the Governor of Electricity and Co-generator Regulatory Authority (2017-2018)
- 2009-2016: Assistant Professor in Prince Sattam bin Abdulaziz University-Civil Engineering Department
- 2010-2016: Dean of the Engineering College Prince Sattam bin Abdulaziz University
- 2014-2015: Technical Advisor for the National Water Company, Saudi Arabia (part time)
- 2009-2010: Vice Dean of Engineering College at Alkharj- King Saud University
- 2009-2013: Vice Chairmen of the bidding and review committee in Prince Sattam bin Abdulaziz University
- 2007-2009: Assistant Professor in Umm Al-Qura University
- 2006-2007: Research Assistant for the Civil and Environmental, Engineering Department, Colorado State University, USA
- 2005: Teaching Assistant, Mechanics of Materials and Statistics, School of Civil and Environmental Engineering, Colorado State University , USA
- 2004: Summer Research Assistant, World Bank, Water Resources and Environmental Department for the Middle East and North Africa, Washington DC, USA

### **Publications and Presentations for the Past Five Years**

1. Al Gahtani, O. S. & Mrad, M. (2020) "An Optimization Model to Design a Hub-And-Spoke Desalinated Water Transmission and Storage System" Journal of Water Supply: Research and Technology-Aqua (2020) 69 (6): 604–615.
2. Al Gahtani, O. S. & Kawara, A. (2020) "Evaluation of water pressure in pipe networks considering leakage by means of real-time automated records" Journal of Water Science and Technology (submitted).
3. Al Gahtani, O. S., (2017) U.S. Patent No. 21170132338 Washington, DC: U.S. Patent and Trademark Office.
4. Yasser Hamed, Mohamed Elkiki, Osama S. Al Gahtani (2015) "Prediction of future groundwater elevation by using Artificial Neural Network south of Riyadh, KSA (Case Study)".18th International Water Technology Conference, IWTC18 12-14March, Sharm ElSheikh, Egypt.
5. Osama S. Algahtani, Ahmed S. Salama, Abdullah M. Iliyasu, Belal A. Selim, and K. Kheder (2014) "Monitoring Urban and Land Use Changes in Al-Kharj Saudi Arabia using Remote Sensing Techniques" Proceedings of the Twenty-Third International Conference on Systems Engineering, University of Nevada Las Vegas, Nevada, USA

### **Granted Patents (1)**

1. Al Gahtani, O. S., (2017) U.S. Patent No. 21170132338 Washington, DC: U.S. Patent and Trademark Office.