Mohanned Abdullah Al-Ghamdi

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ALBAHA, KSA

Summary of qualifications

- Strong management and leadership skills practised through successfully leading the development of the Faculty of Engineering in Albaha University and ensuring that all the programs within the faculty are in complyment with the latest practices of quality and academic accreditation followed locally and globally.
- Very good expertise with water research and applications gained throughout my PhD studies (seawater pretreatment using ultrafiltration membranes and the cleaning of membranes).
- Able to handle stress and meet deadlines.
- Enthusiastic, quick learner and self motivated.
- Highly experienced in using MS Office applications (Word, Excell, Powerpoint), and an effective presenter.
- Accurate and detail oriented.

Education

2011 – 2016	*King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia* PhD in Environmental Science and Engineering
2009 – 2010	*King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia* MSc in Environmental Science and Engineering
2004 – 2009	*King Saud University, Riyadh, Saudi Arabia* BSc in Civil Engineering

Work experience

2018 – 2020	*Assistant Professor & Vice Dean for Quality and Development, Faculty of Engineering, Albaha University, Albaha, Saudi Arabia* Leading the development of the Faculty of Engineering in Albaha University and ensuring that all the programs within the faculty are in complyment with the latest practices of quality and academic accreditation followed locally and globally.
2017 – 2018	*Assistant Professor & Head of Civil Engineering Department, Albaha University, Albaha, Saudi Arabia* Leading the civil engineering department in Albaha University to a better future. In addition to that, managing to filfil the academic responsibilities of teaching several courses and supervising the graduation project of several students.
2013 – 2016	*PhD Research, KAUST, Thuwal, Saudi Arabia* Designing and building an automated experimental setup from scratch for PhD experiments. This included the mechanical design and electronics connections with programming and designing the user interface of the controlling software. Successfully implementing and proving an effective new cleaning procedure for ultrafiltration membranes through well designed experiments.
Summer 2011	*Dow Water and Process Solutions (DW&PS), Dow Chemical Ibérica S.L., Tarragona, Spain* Analysing the performance of a UF-RO pilot facility while changing the RO elements and UF cleaning parameters. In addition to attending several trainings and workshops regarding UF and RO operation with seawater, and the use of ROSA software for designing RO plants.
Summer 2010	*Jeddah City Biusiness Unit (JCBU), National Water Company (NWC), Jeddah, Saudi Arabia* Successfully maping the quality of wastewater throughout the wastewater network in Jeddah. This was accomplished by selecting the important manholes around the city of Jeddah and collecting samples from each of them. Samples were sent on the same day to the lab for further analysis. Results and recommendations were then analysed and presented to the managers of the wastewater unit.

Personal skills

Languages	Arabic (Native) English (Advanced)
Computer skills	Experienced user of multiple operating systems (MS Windows, MacOS) and highly skilled in using MS Office applications (Word, Excel, PowerPoint). Have worked, and working, on some specialized software (SAP2000, ETABS, Autocad, SolidWorks, SketchUp, Matlab, LabVIEW). Interested in programing, and able to master any software in a short time.

Extracurricular Activities

2013 – 2015	*Founding President, International Desalination Association (IDA) Student Chapter, KAUST* Established the IDA student chapter in KAUST and connected it with the global IDA Young Leaders Program. In addition to holding water awareness activities and organizing trips to local desalination facilities.
2012 – 2013	*Graduate Student Orientation Leader (GSOL), KAUST* Welcoming and assisting new students during the orientation program

Awards

2014	*2nd prize winner in the Science Fun Fair, KAUST, January 2014* Demonstrated a small scale ultrafiltration unit with actual hollow-fiber membranes and showed the basic steps of transferring a muddy water into clean, drinkable water.
2013	*Awarded $200,000 from KAUST Seed Fund, Fall 2013 round* Awarded grant for a startup about introducing a new fouling index to the desalination market based on the principles of the operation of RO membranes.
2009	*KAUST Graduate Fellowship Award* A full sponsored scholarship provided by KAUST to pursue my post graduate studies.
2008	*KAUST Discovery Scholarship Award* Selected among the initial batch of students to join KAUST as the founding class.

Trainings & Workshops

2014	*A 10-day KAUST-UC Berkeley Entrepreneurship Certification Course, KAUST, Thuwal, Saudi Arabia* A 2-week hands-on entrepreneurial development program to identify business opportunities (real problems that require real solutions), validate product ideas, engage with potential customers, build a scalable business model, manage team dynamics and pitch to investors.
2014	*A 5-day Entrepreneurship Bootcamp, Istanbul, Turkey* A compacted week-long entrepreneurial trainings and practice through meeting other entrepreneurs and investors, as well as getting a chance to see actual start-ups and discuss their successes and failures. In addition, we had the chance to pitch and present in front of real life investors.
2012	*Leadership training workshop, KAUST, Thuwal, Saudi Arabia* A 2-day leadedrship training given by Mark Vollans. This trainig was followed by successfully accomplishing a project to demonstrate the leadership skills gained from this workshop.
2011	*A 2-day Dow technical seminar, Dow, Spain* An informative technical seminar covering the range of Dow products used in water treatment including fundamentals of the operation and design guidelines, in addition to a hands-on session on using ROSA software for designing RO desalination plants.