

1. Name: **Mohammed Al-Abri**
2. Education:
 - PhD: Chemical Engineering, University of Nottingham, UK, July 2007
 - BEng: Chemical Engineering, University of Nottingham, UK, July 2003
3. Academic experience
 - Assistant Chair in Nanotechnology for Desalination, Water Research Center, Sultan Qaboos University, Sultanate of Oman May 15– Sep 17
 - Assistant Professor, Petroleum and Chemical Engineering Department, Sultan Qaboos University, Sultanate of Oman, Sept 08 – Present
 - Director, Nanotechnology Research Center, Sultan Qaboos University, Sultanate of Oman, Aug 17 – Present
4. Non-academic experience
 - Advisor, Al Mansoor International Company L.L.C., Oman, Aug 17 – Present
5. Certifications or professional registrations
 - Member of the Organizing Committee of “Small Desalination Units for Agriculture Sustainability: Challenges & Opportunities”, Barka, Oman 5-6 March 2018
 - Main organizer of “Nanotechnology for Water Treatment and Solar Energy Applications”, Muscat, Oman, 15-16 December 2015
 - Conducted training course on “Effects of Desalination and Water Treatment on Water Resources” Al-Rustaq, Oman (5-9 February 2017)
 - Conducted training workshop on “RO Desalination” MEDRC, Muscat, Oman (22-23 August 2016)
6. Current membership in professional organizations
 - Member of the European Desalination Society (EDS),
 - Oman Water Society (OWS),
 - International Water Association (IWA)
 - Membrane Society of Australasia (MSA)
7. Honors and awards: None
8. Service activities (within and outside of the institution)
 - Committees**
 - Member of the editorial board of Desalination, Elsevier (2010-2017)
 - International Journal of Water Pollution and Purification Research (2014-current)
 - Reviewer**
 - Reviewer for Desalination Journal, Chemical Engineering Journal, Separation and Purification Technology Journal, Journal of Water Process Engineering, Journal of the Taiwan Institute of Chemical Engineers, Journal of Chemical Technology and Biotechnology, World Applied Science Journal, Desalination and Water Treatment Journal, Journal of Modern Applied Science and Chemical Engineering Communications Journal
 - Consultancy**
 - Consultancy Agreement: ‘Stainless Steel Corrosion Analysis
 - Funding Agency: Oman Oil Refineries and Petroleum Industries Company (ORPIC)
 - Consultancy Agreement: ‘Scale Analysis’

- Funding Agency: Oman Oil Refineries and Petroleum Industries Company (ORPIC)
- Consultancy Agreement: ‘Analysis of Solids from Nimr Export Pumps’ Funding Agency: Petroleum Development Oman (PDO)
- Consultancy Agreement: ‘Technical Support to improve SWRO/BWRO’
- Funding Agency: Oman Oil Refineries and Petroleum Industries Company (ORPIC)

9. Briefly list the most important publications and presentations from the past **two** years – title, co-authors if any, where published and/or presented, date of publication or presentation

- Mohammed Al-Abri, Buthayna Al-Ghafri, Tanujjal Bora, Sergey Dobretsov, Joydeep Dutta, Stefania Castelletto, Lorenzo Rosa and Albert Boretti, “Chlorination disadvantages and alternative routes for biofouling control in reverse osmosis desalination” npj Clean Water (2019) In press
- I.S.Al-Husaini, A.R.M.Yusoff, W.J.Lau, A.F.Ismail, M.Z.Al-Abri, B.N.Al-Ghafri and M.D.H.Wirzal, “Fabrication of polyethersulfone electrospun nanofibrous membranes incorporated with hydrous manganese dioxide for enhanced ultrafiltration of oily solution” Separation and Purification Technology 212 (2019) 205-214
- Karthik Laxman, Afzal Husain, Asma Nasser, Mohammed Al Abri, Joydeep Dutta, “Tailoring the pressure drop and fluid distribution of a capacitive deionization device” Desalination 449 (2019) 111-117
- Buthayna Al-Ghafri, Tanujjal Bora, Priyanka Sathe, Sergey Dobrestov, Mohammed Al-Abri, “Photocatalytic microbial removal and degradation of organic contaminants of water using PES fibers” Applied Catalysis B: Environmental 233 (2018) 136–142
- Jamal Al-Sabahi, Tanujjal Bora, Michel Claereboudt, Mohammed Al-Abri, Joydeep Dutta, “Visible light photocatalytic degradation of HPAM polymer in oil produced water using supported zinc oxide nanorods” Chemical Engineering Journal 351 (2018) 56-64
- Muna Al Hinai, Priyanka Sathe, Mohammed Al Abri, Sergey Dobretsov, Ashraf Al Hinai, and Joydeep Dutta, “Antimicrobial Activity Enhancement of Polyethersulfone Membranes by In-Situ Growth of ZnO Nanorods” ACS Omega 2 (2017) 3157–3167
- Jamal Al-Sabahi, Tanujjal Bora, Mohammed Al-Abri, and Joydeep Dutta, “Efficient visible light photocatalysis of benzene, toluene, ethylbenzene and xylene (BTEX) in aqueous solutions using supported zinc oxide nanorods” PLOS ONE 12 (2017) e0189276
- Desalination Technologies and Considerations, Mohammed Al-Abri, Managing Water Scarcity in River Basins: Innovation and Sustainable Development, Agadir, Morocco 4-6 October 2018 **Keynote Speaker**
- Water Treatment using Membranes, Mohammed Z. Al-Abri, Research and Innovative Technologies in Water Sector for the Achievement of SDG6’s Amman, Jordan 26-28 June 2018 **Invited Talk**
- Mohammed Al-Abri; “Nanotechnology and Produced Water Treatment” in 2nd Middle East Oilfield Produced Water Management Conference & Exhibition, Muscat, Oman 4-15 February 2017 **Keynote Speaker**

10. Briefly list the most recent professional development activities

- Workshop on Peer Learning & Knowledge Sharing Workshop on Water Desalination, organized by MEDRC, Muscat, Oman: 28-30 January 2018
- Hold a certificate as an Innovation Specialist after completing Industrial Innovation Program organized by Industrial Innovation Center, Ministry of Commerce and Industry (December 2017-March 2018)
- Completed training course on Product Design and Development organized by Industrial Innovation Center, Ministry of Commerce and Industry (May 2018)