

1. Name: **Dr. Belal Abu Tarboush**
2. **Education – degree, discipline, institution, year**
 - PhD in Chemical Engineering, *Specialize in Energy and Environment*, University of Calgary, Calgary, Canada 01/09 - 01/14
 - MSc in Chemical Engineering, University of Ottawa, Ottawa, Canada, 01/06 - 12/08
 - BSc in Chemical Engineering, An-Najah National University, Nablus, Palestine, 09/99 - 06/04
3. **Academic experience**
 - Assistant professor, Department of Chemical and Petroleum Engineering Sultan Qaboos University September 2018- present
 - Assistant Professor, Chemical and Petroleum Engineering Faculty of Engineering and Architecture American University of Beirut August 2015 - 2018
4. **Non-academic experience**
 - Process Engineering Specialists/Consultant, Ausenco Engineering Alberta, Calgary, Canada, (process consultant for natural gas plants), 01/13- 08/14
 - Safety Engineer, Kuwait Saudi Pharmaceutical Industries Co., Kuwait, 11/04/12/05
5. **Certifications or professional registrations**
 - **Course Design Certificate**, Teaching and Learning Center, University of Calgary, Alberta, Canada, November 2012.
 - **Instructional Skills Certificate**, Teaching and Learning Center, University of Calgary, Alberta, Canada, June 2012.
6. **Current membership in professional organizations**
 - **Member of the Association of Professional Engineers and Geoscientists of Alberta (APEGA)**- Registered Member (P.Eng. Member Number: 200523).
7. **Honors and awards**
 - Professional Development Grant, University of Calgary, Alberta, Canada, December 14, 2012 (Institutional, \$750).
 - Faculty of Graduate Studies Travel Award, University of Calgary, Alberta, Canada, October 12, 2012 (to attend the 62nd Canadian Chemical Engineering Conference, Vancouver, Canada, October 14-17, 2012) (Institutional, \$1500).
 - Edward Wichert Graduate Scholarship, University of Calgary, Alberta, Canada, August 17, 2011(Institutional, \$20,000).
 - Queen Elizabeth II Graduate Scholarships (Doctoral), University of Calgary, Alberta, Canada, April 27, 2010 (Provincial, \$15,000)
 - Ursula and Herbert Zandmer Graduate Scholarship, University of Calgary, Alberta, August 14, 2009 (Institutional, \$10,000).
 - The Middle East Desalination Research Center (MEDRC) Scholarship, University of Ottawa, Ontario, Canada, January 02, 2006- December 30, 2008 (International, \$30,000).
8. **Service activities (within and outside of the institution)**
Committees
 - Department of Chemical and Petroleum Engineering, SQU, CoE Risk Management Committee (2018- Present)
 - Department of Chemical and Petroleum Engineering, Board secretary, SQU, (2018- present).
 - Department of Chemical and Petroleum Engineering, AUB, Lab Committee (2015- 2018).
 - Department of Chemical and Petroleum Engineering, AUB, ABET Committee (2015- 2018).
 - Department of Chemical and Petroleum Engineering, Board secretary, AUB, (2015- 2016).

Reviewer: N/A

Consultancy: N/A

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

- Asmaa Jrad, **Belal J. Abu Tarboush***, Mohamad Hmadeh, Mohamad N. Ahmad, Tuning acidity in zirconium-based metal organic frameworks catalysts for enhanced production of butyl butyrate, *Applied Catalysis A, General*, 570–25 (2019) 31– 41.
- **Belal J. Abu Tarboush**, Ali Chouman, Antranik Jonderian, Mohamad N. Ahmad, Mohamad Hmadeh, and Mazen Al-Ghoul, Metal–Organic Framework-74 for Ultratrace Arsenic Removal from Water: Experimental and Density Functional Theory Studies, *ACS Applied. Nano Materials*, 1, (2018), 3283–3292.
- Yasmine Baghdadi, Sabla Al Nouri, Takeshi Matsuura, **Belal J. Abu Tarboush***, Temperature Effects on Concentration Polarization Thickness in Thin-Film Composite Reverse Osmosis Membranes, *Chemical Engineering and Technology*, 41,10, (2018) 1905–1912.
- Nicolas Abdel Karim Aramouni, Jad G Touma, **Belal Abu Tarboush**, Joseph Zeaiter, Mohammad N Ahmad, Catalyst Design for Dry Reforming of Methane: Analysis Review, *Renewable & Sustainable Energy Reviews*, 82, 3, (2018) 2570-2585.
- Manar Younis, Sabla Y. Alnouri, **Belal Abu Tarboush***, Mohammad N. Ahmad, Renewable biofuel production from biomass: a review for biomass pelletization, characterization, and thermal conversion techniques, *International Journal of Green Energy*, 15-13, (2018) 837–863.
- Ahmad Albadarin, Marwan Charara, **Belal Abu Tarboush**, M.N.M. Ahmad, Mu Naushad, Gavin Walker, Chirangano Mangwandi, Kinetic, equilibrium and thermodynamic characteristics of tartrazine biosorption onto masau (ziziphus mauritiana) stones, *Journal of Molecular Liquids*, 242, (2017) 478-483.
- **Belal J. Abu Tarboush** and Maen Husein, Adsorption of Asphaltenes /hydrocarbons from heavy oil onto in situ prepared Fe₂O₃ nanoparticles, *Fuel processing Technology*, 133 (2015) 120-127.
- **Belal J. Abu Tarboush** and Maen Husein, Inferring the role of NiO nanoparticles from the thermal behavior of virgin and adsorbed hydrocarbons, *Fuel*, 147 (2015) 53-61.

10. **Briefly list the most recent professional development activities**

- Long term research leaves, Queen’s Belfast University, UK, June- August 2016:
- Short term development grant to attend ASPEN HYSYS training course (4 days), Dubai, UAE, December 2015