

Faisal Khan

Professor, Chemical Engineering

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Google
Scholar
Profile

(https://scholar.google.com/citations?hl=en&user=vBBE9GgAAAAJ&view_op=list_works&sortby=pubdate)

Educational Background

- Ph.D., Environmental Engineering, Pondicherry University – 1998
- M.E., Chemical Engineering, University of Roorkee, India – 1994
- B.S., Chemical Engineering, Aligarh Muslim University, India – 1992

Research Interests

- Offshore Safety and Risk Engineering
- Offshore Asset Integrity Assessment and Management
- Process Modeling and System Design
- Offshore environment system modeling and management

Industry Experience

- Led several strategic initiatives as Associate Dean of Graduate Studies at FEAS
 - Established a multidisciplinary Centre of Excellence at Memorial in the position of Director
 - Facilitated research that led to new technologies as the Canadian Research Chair, Tier 1, Offshore Safety and Risk Engineering
 - Developed six new courses and taught courses while holding the title of Professor in the Department of Process Engineering
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Awards & Honors

- 2021 Inducted as Fellow of Canadian Academy of Engineering
- 2018 Fellow of Engineering Institute of Canada
- 2017 Fellow of Canadian Society of Chemical Engineering
- 2015-2017 Member of NSERC Discovery Grant Review Panel (Chemical Engineering)
- 2016 Society of Petroleum Engineer award for his contribution in Health, Safety and Risk Engineering
- 2014 Memorial University President's Award for Outstanding Graduate Student Supervision National Award – CSChE Outstanding Research Award of Process Safety Management
- 2013 Member of National Center of Science and Technology Evaluation, Ministry of Education and Science, Republic of Kazakhstan
- 2012 Memorial University President's Award for Outstanding Research
- 2011-2014 Member of US think-tank on Process Safety and Risk Management
- 2009 Member (and Chair) of NSERC Strategic Grant Review Committee on Safety and Security

Industry Experience

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- 2008-2010 Expert subject advisor to Ministry of Environment, State of Qatar, on environment and risk matters
- 2005 Risk Advisor to the Government of Newfoundland and Labrador on an important offshore safety project
- 2002 Received Nawab Zain Bahadur Memorial Medal (for outstanding research in environmental engineering), 2002, from the Institution of Engineers (India)
- 2002 Short-listed among four scientists for the Young Scientist Award, 2000, Indian National Science Academy
- 1998 S.K. Mitra Memorial Award from IChE for safety research, Calcutta
- 1994 Awarded University Gold Medal during Master's Program, IIT Roorkee

Selected Publications

Khan, F. & Amyotte, P (2019). Advance Methods in Risk Management, Academic Press

Khan, F. & Abbassi, R (2018). Offshore Process Safety, Academic Press

Khan, F (2017). Methods in Chemical Process Safety, Academic Press

Yang, Y., Khan, F., Thodi, P., & Abbassi, R. (2017). Corrosion induced failure analysis of subsea pipelines. Reliability Engineering & System Safety, 159, 214-222.

Baksh, A. A., Abbassi, R., Garaniya, V., & Khan, F. (2018). Marine transportation risk assessment using Bayesian Network: Application to Arctic waters. Ocean Engineering, 159, 422-436.

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