# Dr. SAYEED RUSHD

Assistant Professor

## Personal Data:

Nationality | Canadian
Date of Hire | 31st December 2017
Date Rank Obtained | Assistant Professor
Department | Chemical Engineering
Email | mrushd@kfu.edu.sa
Office No | 2044
Office Phone No | 0135899285

## Education:

| Academic Degree | Major | specialty | Place of Issue | Address | Date |
|---|---|---|---|---|---|
| Doctorate (PhD) | Chemical Engineering | Fluid Mechanics | Edmonton, AB, Canada | 116 St & 85 Ave, Edmonton, AB T6G 2R3, Canada | January, 2016 |
| Masters (M.Sc.) | Chemical Engineering | Process Engineering | Edmonton, AB, Canada | 116 St & 85 Ave, Edmonton, AB T6G 2R3, Canada | July, 2008 |
| Bachelor (B.Sc.) | Chemical Engineering | Petroleum Engineering | Dhaka, Bangladesh | Dhaka-1000, Bangladesh | December, 2004 |

## PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions):

| | |
|---|---|
| PhD | A new approach to model friction losses in the water-assisted pipeline transportation of heavy oil and bitumen |
| Master | A capacitance sensor for pipeline flows of oil-water mixtures |

## Experiences:

| Title of Job | Address of Work | Country | Date | |
|---|---|---|---|---|
| Assistant Professor | King Faisal University, Hofuf, Al Ahsa 38219 | Saudi Arabia | From | Jan. 2018 |
| | | | To | Present |
| Postdoctoral Research Associate | Texas A&M University, Education City, Doha | Qatar | From | Apr. 2016 |
| | | | To | Oct. 2017 |
| Project Engineer | Matrikon Inc., Calgary, AB | Canada | From | Aug. 2008 |
| | | | To | Apr. 2009 |

## Research Interests:

1. Transport Phenomena
2. Computational Fluid Dynamics
3. Seawater Desalination
4. Artificial Intelligence

## Publications:

| # | Name of author(s) | Title of Publication | Publisher and Date of Publication | Link of Publication |
|---|---|---|---|---|
| 1 | Ferroudji, H., Rahman, M.A., Hadjadj, A., Ofei, T.N., Khaled, M.S., Rushd, S. and Gajbhiye, R.N. | 3D numerical and experimental modelling of multiphase flow through an annular geometry applied for cuttings transport | International Journal of Multiphase Flow June 2022 | Click Here |
| 2 | Rushd, S.; Gazder, U.; Qureshi, H.J.; Arifuzzaman, M. | Advanced Machine Learning Applications to Viscous Oil-Water Multi-Phase Flow | Applied Science May 2022 | Click Here |
| 3 | Hossain, S. S., Ali, S. S., Rushd, S., Ayodele, B. V., & Cheng, C. K. | Interaction effect of process parameters and Pd-electrocatalyst in formic acid electro-oxidation for fuel cell applications: Implementing supervised machine learning algorithms | International Journal of Energy Research January 2022 | Click Here |
| 4 | Sayeed Rushd, Mohammad Tanvir Parvez, Majdi Adel Al-faiad, Mohammed Islam | Towards Optimal Machine Learning Model for Terminal Settling Velocity | Powder Technology July 2021 | Click Here |

## Language Proficiency:

1. English
2. Bangla
3. Arabic