



## Education

- **Ecole Polytechnique de Montreal, Quebec, Canada** 2019-  
*M.Sc. Degree, Department of Chemical Engineering*  
Thesis: “Thermal Modelling of Dehydration Process of Phosphogypsum”
  
- **The American University in Cairo, Cairo, Egypt** 2009  
*Health-Safety-Environment (HSE) diploma*
  
- **The University of Alexandria, Alexandria, Egypt** 2006  
*B.Sc. Degree, Department of Chemical Engineering*  
Thesis: “Electropolishing of Copper Alloy in Sulfuric Acid Solution”

## Research Interests

- Process Design, Development and Optimization
- Chemical Reaction Engineering
- Thermal Fluidized Bed Reactors
- Transport phenomena: momentum, energy and mass transfer
- Environmental science and water treatment processes

## Work Experience

- **Water Treatment Engineer** 2011- 2016  
*SCU Specialist Hospital, Ismailia, Egypt*
  
- **Chemical Lab Analyst** 2006-2011  
*SCU Hospital, Ismailia, Egypt*

## Professional Experience

- **Technical support Engineer.** *PharmaBio Canada* 2017
- **Chemical Lab technologist (Petroleum Products).** *SI-CHEM Co. UAE* 2005
- **HSE Quality Lab assistant** *SEDPIC Co. Egypt* 2004
- **Assistant Chemical Analyst** *Water Tech Group, Egypt* 2003