



Education

▪ **Ecole Polytechnique de Montreal, Montreal, Quebec, Canada**

Ph.D. Degree, Department of Chemical Engineering

(2013-)

Thesis: "Gas-phase Carbon Coating of Lithium Iron Phosphate Powders "

▪ **The University of Tehran, Tehran, Iran**

B.Sc. Degree, Department of Chemical Engineering

(2011)

Thesis: "Study of Chlorinated Paraffin Production Process "

Research Interests

- Chemical Reaction Engineering
- Li-ion Rechargeable Batteries
- Nano particle Fluidization
- Micro and nanoparticles Characterization
- Pyrolysis, Combustion and Gasification
- Carbon Coating

Expertise

- Fluidization of Nano particles
- Chemical Vapor Deposition (Gas Phase Carbon Coating)
- Characterization and measurement techniques such as:
 - GC, multi gas FTIR, pressure transducers, XRD, SEM/EDX, TEM, LECO analyzer and Raman Spectroscopy

Research Background

- Liquid- and Gas-phase carbon coating of nano-size cathode material of the lithium ion batteries