



## Education

- **Polytechnique de Montréal, Montréal, QC, Canada** (2015)  
*Ph.D. Degree, Department of Chemical Engineering*  
Thesis: “Remediation of petroleum and heavy-metal contaminated soils”
  
- **Université Laval, Québec City, QC, Canada** (2003)  
*B.Sc. Degree, Department of Chemical Engineering*

## Research Interests

- Process Design, Development and Optimization
- Chemical Reaction Engineering
- Contaminated Soil Remediation
- Gas Separation
- Mineral Processing
- Waste Management

## Work Experience

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|---|-------------------------|-----------|
| • <b>Seneca Experts-Conseils, Montreal, QC, Canada</b>            | Process Engineer        | 2011-2015 |
| • <b>National Research Center (NRC-IRB), Montreal, QC, Canada</b> | Pilot Plant Operator    | 2011      |
| • <b>Vaperma, Québec City, QC, Canada</b>                         | Junior Process Engineer | 2007-2009 |
| • <b>Horne Copper Smelter, Rouyn-Noranda QC, Canada</b>           | Trainee                 | 2006      |

## Research Background

- Design and operation of various unit operations.

**Teaching Experience**

- **Reactor Design**, Polytechnique Montreal, Montreal, QC, Canada, Teaching assistant 2011
- **Thermodynamics**, Polytechnique Montreal, Montreal, QC, Canada, Teaching assistant 2010

**Journal Publications**

- Picard, F; Chaouki, J; “NaClO / NaOH treatment for the remediation of aged heavy-metal or C10-C50 contaminated soils”; will be submitted to Journal of Hazardous Materials
- Picard, F; Chaouki, J; “Selective extraction of copper, lead and zinc from a calcium-rich contaminated soil by a modified NTA”; submitted to Chemosphere
- Picard, F; Chaouki, J; “Sodium hypochlorite oxidation of petroleum aliphatic contaminants in calcareous soils”; accepted by Chemosphere

**Conference Publications**

- None.