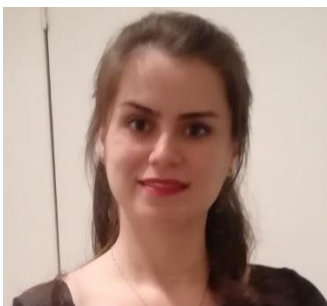


Curriculum Vitae



Nina Ravandi

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Sherbrooke, Quebec, Canada

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Educational Background

- **University of Sherbrooke, Sherbrooke, Canada (05.2019-09.2022)**
M.Sc. in polymer and material chemistry
 - **University of Tabriz, Tabriz, Iran (09.2011-09.2013)**
The state University of Tabriz is ranked as the 6th university in Iran in the field of chemistry
M.Sc. in Organic Chemistry
Total GPA: 16.78/20
 - **University of Tabriz, Tabriz, Iran (02.2006-02.2010)**
B.Sc. in Applied Chemistry
Total GPA: 13.87/20
 - **Mobtakeran 2 Pre-University Center, Tabriz, Iran (10.2004-07.2005)**
Pre-School Diploma in Experimental Science
Total GPA: 17.85/20
 - **Emam Hassan Mojtaba High School, Tabriz, Iran (10.2001-07.2004)**
High School Diploma in Experimental Science
Total GPA: 19.18/20
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Honors and Awards

- Best Article award among 389 articles 1th national conference of chemical and petrochemical (April 2014)
- Ranked top 3% among more than 500000 attendees in national entrance exam (2005)

Curriculum Vitae

Graduation Thesis

- In Canada: Preparation and characterization of multifunction Cellulose-based hydrogels
Under supervision of Professor Yue Zhao
 - In Iran: Preparation and characterization of halloysite-polypyrrole nanocomposites and study of their potential in adsorption and removal of nicotine
Under supervision of Dr. Nasser Arsalani and Dr. Ali-Akbar Entezami
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Attendance of Conferences and Seminars

- Canadian Chemical Engineering Conference (CCEC), Chemical Institute of Canada, Quebec, (June 2019)
 - 6th Iranian National Seminar of Chemistry and the Environment, Removal of nicotine from aqueous solution by Halloysite and its conductive polymer nanocomposites prepared by following green chemistry method University of Tabriz (October 2013).
 - 1th national conference of chemical and petrochemical Solvent free synthesis and characterization of Halloysite-Polypyrrole nanocomposites
International conference center RIPI country, (April 2014)
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Research Interests

- Biomaterial modification with polymer coating for drug delivery
 - Design, Manufacturing, Management for nanostructural materials
 - Nanomaterials for Advanced Technologies and Clean Energy
 - Biomodelling of the structure/function of biopolymers
 - Materials & Environmental Science
 - Polymer Science and Synthesis of Nanocomposite thin films/coating
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Work Experience

- Préposée ou Préposé matériels d'enseignement 3e cycle
University of Sherbrooke, department of Chemistry (since 2019)

Curriculum Vitae

- Quality Supervisor (R&D section)
Daana Pharmaceutical Company, part-time, (2014)
Evaluation of the solubility of tablets or powder and examining the accuracy of tablets' size
 - Quality Supervisor (R&D section)
Kimia Gostaran Novin Azma Tabriz, part-time, (2015)
Iran Food and Agricultural Industry
 - Chemistry, Biology, English and Piano private tutor
Tabriz-Iran, (2012-2019)
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Certificates:

- **Training in Health and Safety Certificate**
WHMIS and laboratory safety, University of Sherbrooke, (May 2019)
 - **TOEFL**
Score 93 (30.05.2015, R: 25, L:25, S:23, W:20)
Score 94 (21.04.2018, R:25, L:22, S:23, W:24)
 - **HPLC Training and Certification Courses**
Tabriz University of Medical Science, (12.2014)
 - **4th period of empowerment course of nanotechnology human resources Nanotechnology Initiative Council** (11.2013)
 - **Safety and first aid in chemistry laborator**
University of Tabriz (07.2012)
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Computer Skills

- **Office:** MSP Microsoft Office Project, MS PowerPoint, MS Excel, MS Word
 - **OS:** Windows 98, 2000, and XP
 - **Text editing:** Endnote
 - **Quantitative and qualitative data analysis:** SPSS, NVIVO
 - **Technical Software:** Isis Draw, Origin, ChemDraw, MestReNova, PowDLL converter
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Curriculum Vitae

Technical abilities

Familiar with Characterization methods:

- Fourier-Transform Infrared Spectroscopy (**FT-IR**)
 - Attenuated total reflection Infrared Spectroscopy (**ATR-IR**)
 - Scanning Electron microscope (**SEM**)
 - Thermogravimetric Analysis (**TGA**)
 - X-ray powder diffraction (**XRD**)
 - Gas chromatography–mass spectrometry (**GC-MS**)
 - High-performance liquid chromatography (**HPLC**)
 - Differential scanning calorimetry (**DSC**)
 - Polarized Light Microscope (**POM**)
 - Dynamic Light Scattering (**DLS**)
 - Mechanical test (**Instron**)
 - Multimeter (resistance, conductivity test)
 - Ultraviolet-visible Spectroscopy (**UV**)
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Languages

- **Persian:** Mother tongue
 - **Azerbaijani:** Fluent
 - **Turkish:** Fluent
 - **English:** Fluent
 - **French:** Intermediate
 - **German:** Basic
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Extracurricular activities

- Playing the Piano
 - Reading books and watching Movies
 - Mountain Claiming, Running, and Swimming, Cycling, Playing badminton
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Curriculum Vitae

References

- Professor Yue Zhao, Professeure titulaire/Full professor, Department of Chemistry, University of Sherbrooke, Sherbrooke, Québec, Canada J1K 2R1, Tel. +1 819-8217090, Fax: 819-8218017,
E-mail: Yue.Zhao@USherbrooke.ca
- Professor Céline Guéguen Professeure titulaire/Full professor, Department of Chemistry, University of Sherbrooke, Sherbrooke, Québec, Canada J1K 2R1, Tel. (819) 821-7084
E-mail: celine.gueguen@USherbrooke.ca
- Professor Armand Soldera, Professeure titulaire/Full professor, Department of Chemistry, University of Sherbrooke, Sherbrooke, Québec, Canada J1K 2R1, Tel. 819 821-8000, poste 66210
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