



**Christian DETELLIER,  
Ph.D., Chemistry**

Research laboratory:  
Laboratory of organomineral materials;  
Department of Chemistry, University of Ottawa



**Responsibilities inside the institution**

Professor of Chemistry and Associate vice-President, Research

**Responsibilities inside the consortium**

Academic supervision

**Address, contacts**

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**Research focus**

Clay chemistry  
Nanohybrid and nanocomposite materials  
Nuclear magnetic resonance spectroscopy

**Teaching experience**

Post-graduate level : Clay minerals chemistry  
Multinuclear magnetic resonance  
Undergraduate level : Applications of spectroscopy

**International experience**

- Organisator or co-organisator of several international conferences (IUPAC conference on solution chemistry; AIPEA International Clay Conference; Access in nanoporous materials...)
- Past Member of the editorial board of Supramolecular Chemistry and current member of the editorial board of The Canadian Journal of Chemistry
- Reviewer and/or member of international grant evaluation panels (USA, South Africa, Israel, ...)

**Regular employment**

Full professor

**Studies**

PhD (year) – University: Ph.D., 1976, University of Liège (Belgium)

**Five selected references and Book section**

- "Clay mineral - supported gold nanoparticles" L. Zhu, S. Letaief, Y. Liu, F. Gervais, C. Detellier, *Appl. Clay Sci.*, 43, 439-446 (2009)
- "Ionic conductivity of nanostructured hybrid materials designed from imidazolium ionic liquids and kaolinite" S. Letaief, T. Diaco, W. Pell, S. I. Gorelski, C. Detellier, *Chem. Mater.*, 20, 7136-7142 (2008)

- "Nanohybrid kaolinite-based materials obtained from the interlayer grafting of 3-aminopropyltriethoxysilane and their potential use as electrochemical sensors" I. K. Tonlé, T. Diaco, E. Ngameni, C. Detellier, *Chem Mater.*, 19, 6629-6636 (2007)
- "Nanohybrid materials from the intercalation of imidazolium ionic liquids in kaolinite" S. Letaief, C. Detellier, *J. Mater. Chem.*, 17, 1476-1484 (2007)
- "Functionalized nanohybrid materials obtained from the interlayer grafting of aminoalcohols on kaolinite" S. Letaief, C. Detellier, *Chem. Comm.*, 2613-2615 (2007)