

# Jimmy Stopinski

Graduate Student

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## Research Topics

- Biomass valorization
- Dendrimers and dendrimer-like structures
- Biocatalysis and green chemistry
- Modeling methods

## Present & previous positions

2014-Present **Graduate student in organic chemistry**, *Chaire Agro-Biotechnologies Industrielles (ABI) and Institut de chimie moléculaire de Reims (ICMR)*, Reims, France.

PhD thesis *Synthesis of bio-sourced molecular and supramolecular structures with sequestering, antioxidant and antimicrobial properties*

- Synthesis of macromolecule starting from ferulic acid and glycerol
- Synthesis by green chemistry process and biocatalysis
- Structure study using modeling methods

Supervisors Prof. Sandrine Bouquillon and Prof. Florent Allais

2014 **Master degree internship**, *Institut de chimie moléculaire de Reims (ICMR)*, Reims, France.

Project *Functionalized dendrimers for the encapsulation of salts or metallic complexes*

- Synthesis of glycerol-decorated commercial dendrimer by organic chemistry and microwave reaction
- Encapsulation test of polluting heavy metal salts like copper, lead and mercury, inside these dendrimers
- Stabilization of gold and silver nanoparticles by these dendrimers

Supervisor Prof Sandrine Bouquillon

2013 **Master degree internship**, *Institut de chimie moléculaire de Reims (ICMR)*, Reims, France.

Project *Synthesis of small peptides by trifluoromethylated- $\beta$ -amino-acids and natural amino-acids*

- Synthesis by peptide coupling and characterization of tetra-peptide made with  $\alpha$  amino-acids and trifluoromethylated- $\beta$ -amino-acids

Supervisor Dr. Fabienne Grellepois

## Education

- 2014 - **Graduate student in organic chemistry**, Chaire ABI and Université de Reims Champagne-Ardenne, Reims, France.
- Present
- 2012 - 2014 **M.Sc in Chemistry** , Université de Reims Champagne-Ardenne, Reims, France.
- 2009 - 2012 **B.Sc.in Biology and Biochemistry**, Université de Reims Champagne-Ardenne, Reims, France.