

Marine Janvier

Postdoctoral Researcher, Ph.D.

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DOB: June, 15th 1989 (Gien, 45 - France)

Research Topics

Lignocellulosic biomass valorization using white biotechnologies and green chemistry : development of bio-based monomers and polymers

Present & previous positions

- Jan. 2016 - **Postdoctoral Researcher**, Chaire Agro-Biotechnologies Industrielles (ABI), Reims Present (France).
- Oct. 2012 - **Ph.D. student**, (under the supervision of Prof. Popowycz), University Claude Bernard Oct. 2015 Lyon 1, Lyon, France.
- Mar. 2012 - **Master/Engineer Internship**, (under the supervision of Dr. Dubost), Bayer CropScience, Aug. 2012 Lyon, France.
- Oct. 2006 - **Intern student**, (under the supervision of Prof. Allemann), Cardiff School of Chemistry , Aug. 2007 Cardiff, Wales.

Education

- 2012 - 2015 **Ph.D. in Chemistry**, University Claude Bernard Lyon 1 , Lyon, France.
- 2011 - 2012 **M.Sc. in Chemistry**, University Paul Sabatier, Toulouse, France.
- 2009 - 2012 **Engineer in Chemistry**, (Ecole Nationale Supérieure des Ingénieurs en Arts Chimiques Et Technologiques (ENSIACET), Toulouse, France.

Involvement in multidisciplinary research projects

- Contributor to a collaboration between LCOB-INSA (Laboratoire de Chimie Organique et Bioorganique) and IMP-INSA (Ingénierie des Matériaux Polymères) for the development of isosorbide-based polyamides (2010)
- Contributor to a collaboration between LCOB-INSA (Laboratoire de Chimie Organique et Bioorganique) and GEMBAS (Génie Enzymatique, Membranes Biomimétiques et Assemblages Supramoléculaires) for the bioconversion of isosorbide to isoidide (2014)

Undergraduate students supervision

- 1 M.Sc. students in Chemistry

Scientific production

Summary:

- 2 publications
- 1 oral communication
- 1 poster

Publications in peer-reviewed journals or to be submitted

1. Chen, Mengbin; Al-Lami, Naeemah; Janvier, Marine; D'Antonio, Edward L.; Faraldos, Juan A.; Cane, David E.; Allemann, Rudolf K.; Christianson, David W., *Mechanistic Insights from the Binding of Substrate and Carbocation Intermediate Analogues to Aristolochene Synthase*, *Biochemistry*, 52 (32), 5441-5453.
2013
2. Marine Janvier, Sylvie Moebis-Sanchez, Florence Popowycz, *New bio-based amides from renewable isosorbide through direct and atom-economical B(OH)₃ methodology*, In preparation.

Oral communications

- 2014 **From isosorbide towards new biobased organocatalysts**, *Marine Janvier, Sylvie Moebis-Sanchez, Florence Popowycz*, SECO51, May.
(France)

Posters

- 2014 **Nitrogen-functionalized isohexides as potential new biobased organocatalysts**, *Marine Janvier, Sylvie Moebis-Sanchez, Florence Popowycz*, Franco-Japanese Symposium, September.
(France)