

Louis Hollande

Graduate Student

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DOB: December, 20th 1991 (Bar-le-Duc, France)

Research Topics

- Valorization of phenolic compound from lignocellulosic biomass using green process
- Green chemistry: bio-based monomers/oligomers/polymers, synthons, bioactive (macro) molecules (e.g., antioxidant,)

Present & previous positions

- Jan. 2016 - Present **Graduate Student (with Pr. F.Allais and Dr. S. Domenek)**, *Mechanisms of phenolic antioxidant additives biobased during the implementation of polymeric resins*, Chaire Agro-Biotechnologies Industrielles (ABI), Reims, France.
- Sept. 2015 - Present **Engineer in Chemistry (with Pr. F.Allais)**, *Design of monomers from hydroxycinnamic alcohols (synthons for green chemistry)*, Chaire Agro-Biotechnologies Industrielles (ABI), Reims, France.
- Mars. 2015 - Sept. 2015 **Master 2 internship (with Pr. Allais)**, *Synthesis and enzymocatalyzed polymerization of biobased macro bisphenols derivating from sinapyl alcohol*, Chaire Agro-Biotechnologies Industrielles (ABI), Reims, France.
- Apr. 2014 - June 2014 **Master 1 internship (with Pr. J. Lebras)**, *Process development of bio-based synthesis of furan- 2,5- dicarboxylic acid (FDCA)*, ICMR, Reims, France.

Education

- 2016 - Present **Ph.D. Student**, Chaire Agro-Biotechnologies Industrielles (ABI), Paris, France.
- 2013 - 2015 **Master in Chemistry**, URCA, Reims, France.
- 2012 - 2013 **Licence in Biochemistry**, University of Lorraine, Metz, France.

Scientific production

Summary:

- 2 publications to be submitted

Publications

1. A. S. Jaufurally, A. R. S. Teixeira, L. Hollande, F. Allais*, P.-H. Ducrot*, *Optimization of the laccase-catalyzed synthesis of (-)-syringaresinol and study of its thermal and antiradical activities*, 2016.
2. L. Hollande, A.S. Jaufurally, P.-H. Ducrot*, F. Allais*, *ADMET polymerization of biobased monomers deriving from syringaresinol*, 2016.

 Languages

French **Native Language**

English **Intermediate**