

Gaëlle Willig

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Laboratory Technician in Process Engineering DOB: February, 13th 1991 (France)

Research Topics

- Valorization of lignocellulosic biomass using white biotechnologies and green chemistry
- Development of membrane processes at laboratory
- Recovery of bioactive compounds from by-products of agro-food industries
- Optimization of enzyme-catalysed reactions

Present & previous positions

Oct. 2014 – Present **Research Technician of Process Engineering at Industrial Agro-Biotechnologies (IAB)**, (with Dr. Teixeira), AgroParisTech, Reims, France.

Development of membrane processes (in solvent and aqueous solvents) for recovery and purification of active compounds

March 2014 – Sept. 2014 **Scientific Assistant**, (with Dr. Teixeira), Chaire Agro-Biotechnologies Industrielles (ABI), Reims, France.

Project: *Enzymatic production of Resveratrol α - glycosydes in ionic liquids*

April 2013 – June 2013 **Research Assistant**, (with M. Mieloszynski and Mme Sindt), LCP-A2MC, Metz, France.

Project: *Synthesis of polyelectrolytes with methacrylic and imidazolium functions*

April 2012 – June 2012 **Research Assistant**, (with M. Kurtz), Eurovia Management, Woippy, France.

Project: *Bibliographic research in order to set up a SEM and a GC-MS procedure*

April 2011 – June 2011 **Scientific Assistant**, (with M. Marchandeanu), PSA Peugeot Citroën, Trémery, France.

Project: *Set up "Working Standards" and analysis procedure of an engine oil within a chemistry laboratory*

Education

2013 – 2014 **Master 2 in Chemistry, Natural Substances and Drug, path Production and Industrial Valorisation of Natural Substances**, Université de Reims Champagne-Ardenne, Reims, France.

- 2012 – 2013 **Master 1 in Chemistry speciality Synthesis, Characterization, Environment** , Université de Lorraine , Metz, France.
- 2011 – 2012 **Licence 3 in Physic and Chemistry speciality Chemistry** , Université de Lorraine, Metz, France.
- 2009 – 2011 **DUT (University Degree) in Chemistry**, IUT de Saint-Avold , Saint-Avold, France.
- 2008 – 2009 **Bac in Science (with honors)**, Lycée de la Communication, Metz, France.

Professional and scholarly associations

From 2015 **CFM**, *Club Français des Membranes*.