

### Education

<b>Dec. 2016 - Present</b>	<b>Microbiology Assistant Engineer</b> Chaire AgroBiotechnologies Industrielles (ABI) – AgroParisTech, Pomacle, France <ul style="list-style-type: none"><li>- Solid State Fermentation</li><li>- Liquid State Fermentation</li><li>- Biochemistry / Enzymology</li><li>- LCA</li></ul>
<b>June 2013- Dec. 2016</b>	<b>Microbiology Laboratory Technician</b> Chaire ABI –AgroParisTech, Pomacle, France <ul style="list-style-type: none"><li>- Solid State Fermentation</li><li>- Liquid State Fermentation</li><li>- Biochemistry / Enzymology</li><li>- LCA</li></ul>
<b>Sept 2011- Aug 2012</b>	<b>Scientific Assistant</b> ARD, Pomacle, France
Project	Study on bioethanol production by micro-organism (First and second generation) Bibliographic study, Laboratory test, micro-pilot test
Achievements	Micro-pilot test optimization of mix 1G and 2G
<b>March – April 2011</b>	<b>Research Assistant</b> Unité de Recherche Vignes et Vin de Champagne - Stress et Environnement, France
Project	Setting up of water quality indicator with native sea shell study (immun study) Physiological/immun study of sea shell, bibliographic study, laboratory test by flow cytometry
Achievements	Determination of the reaction kinetic

## Present & previous positions

**2010 – 2012 Master in Production and Valorisation of Agro-resources**, URCA  
Reims, France

**2009 – 2010 Bachelor degree Biology, Biochemistry, Earth and Ecology**, URCA  
Reims, France

**2006 – 2007 Baccalauréat général S**, option SVT, mention Bien, Lycée Saint-Bernard, Troyes,  
France

## Scientific production

### Publications in peer-reviewed journals :

[1] **From bench scale to kilolab production of renewable ferulic acid-based bisphenols: optimisation and evaluation of different purification approaches towards technical feasibility and process environmental sustainability** A. R. S. Teixeira, G. Willig, J. Couvreur, A. L. Flourat, A. A. M. Peru, P. Ferchaud, H. Ducatele, F. Allais *React. Chem. Eng.*, 2017,2, 406-419

[2] **Wheat and Sugar Beet Coproducts for the Bioproduction of 3-Hydroxypropionic Acid by Lactobacillus reuteri DSM17938** J. Couvreur, A. R. S. Teixeira, F. Allais, E. Spinnler, C. Saulou-Bérion, T. Clément *Fermentation* 2017, 3(3), 32

## Supervision

**2017 (march – sept.)** **Louison Dumond (AgroParisTech)**,  
Enzymatic depolymerization of lignin: oxidative lysis by laccase-mediator and laccase-glucose oxidase systems

## Skills

### Technical

- ✓ **Solid and Liquid state fermentation:** Laboratory and Pilot scale
- ✓ **Anti-microbial test**
- ✓ **Chemical Fractionation:** NREL, EMAL, Steam explosion
- ✓ **Biochemistry:** Enzymatic activities assays, Lignin synthesis/depolymerisation comprehension
- ✓ **Plant production and valorisation:** Green chemistry, biotechnologies (bioenergy, cosmetic, agro-material), biochemistry, vegetable physiology/biology
- ✓ **LCA (Life Cycle Assessment):** Theoretical training, practice training, design of simplified LCA

### Analytical Methods :

- ✓ Chromatography (HPLC and HP-SEC)
- ✓ UV-Vis, IR
- ✓ Multiscan microplate
- ✓ Flow Cytometer

### Others :

- ✓ Method development, data analysis

## Language

**French** : Native Language

**English** : Professional

**Spanish** : Beginner