

Fanny Brunissen

CEBB, Chemin des Sohettes - Route de Bazancourt
51110 Pomacle, France
☎ +33 (0)3 26 36 43 69
✉ fanny.brunissen@agroparistech.fr

Laboratory Technician in Analytical
Chemistry

DOB: April, 23rd 1989 (Strasbourg, 67 - France)

Present & previous positions

June 2013 - Present **Analytical Chemist**, *Chaire Agro-Biotechnologies Industrielles (ABI) - AgroParisTech*, Reims, France.

- Development of analytical protocols, measurements and analysis (SOP), data processing and reporting
- GC-MS maintenance
- Referent in GC-MS, TGA, DSC, GPC and HPLC

June 2014 - Present **Assistant of prevention**, *Chaire ABI - AgroParisTech*, Reims, France.

Sept 2011 - Aug 2012 **Scientific Assistant**, *Laboratoire EXACT (lab specialised in chemical analysis for the wine sector)*, Mâcon, France.

Project *Optimization of the procedures for the analysis of haloanisoles, halophenols and lindane on several matrices by SPME and SPE, analysis by GC-MS*

- Develop analytical protocols, make measurements and analysis, data processing and reporting, record the results of measurements and analyzes information and monitoring of the equipments, define requirements and make supply orders, organize assays, identify problems

Achievements Establishment of procedures and methods (SOP)

March - April 2011 **Research Assistant**, *Université de Montpellier 2, UMR IATE (Unité Mixte de Recherche, Ingénierie des Agropolymères et Technologies Emergentes)*, Montpellier, France.

Project *Study of the chelation of calcium by complexing agents like emulsifying salts*

- Organize assays, project management, identify areas of research, critical attitude concerning the results

Achievements Determination of the reaction kinetic

April - June 2009 **Research Assistant**, *Heriot-Watt University*, Edinburgh, Scotland.

Project *Determination of new inorganic compounds structures by Single Cristal X-Ray Diffraction*

- Process the raw data, determine the structure, write concise reports on the properties and parameters of the crystal

Achievements Many structures elucidated for the different research teams

Others experiences

Oct 2012 - June 2014 **Tutoring**, High School student in Chemistry and in Physics.

Education

- 2010 - 2012 **Master in Physico-Chemical Analysis and Control**, U. Claude Bernard Lyon 1, Lyon, France.
- 2009 - 2010 **Bachelor of Sciences in Chemistry (Licence 3 de Chimie)**, Heriot-Watt University, Edinburgh, Scotland.
- 2007 - 2009 **DUT Chimie**, IUT Robert Schuman, Strasbourg, France.
- 2006 - 2007 **Baccalauréat général S**, option Physique-Chimie, mention Bien, Lycée Marie Curie, Strasbourg, France.

Scientific production

Patents

1. Chemo-enzymatic transformation of lévoglucosenone into valuable chemical intermediates, *Allais, * F. et al.*, submitted in 2nd May 2014.

Publications in peer-reviewed journals

- [1] A. L. Flourat, A. A. M. Peru, A. R. S. Teixeira, F. Brunissen, and F. Allais. Chemo-enzymatic synthesis of key intermediates (s)-[gamma]-hydroxymethyl-[small alpha],[small beta]-butenolide and (s)-[gamma]-hydroxymethyl-[gamma]-butyrolactone via lipase-mediated baeyer-villiger oxidation of levoglucosenone. *Green Chem.*, 17:404–412, 2015.

Skills

Analytical methods

- Chromatography (GC, HPLC and GPC)
- Solid Phase Extraction (SPE, SPME)
- Thermal analysis : TGA and DSC
- Mass Spectrometry
- NMR, UV-Vis, IR
- Atomic Spectroscopy (AES et AAS)
- Surface analysis (MEB, MET, XRF, XPS)
- Polymers NMR
- Thermal analysis : TGA and DSC

Others

- Quality user, regulations, analytical project management

- Method development, data analysis
- Inorganic chemistry , Physical chemistry, Organic chemistry

Languages

French **Native Language**

English **Intermediate**

German **Beginner**