

## Chahinez Aouf

Research fellow

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## Professional experience

**May 2014-March 2015:** Food and Biobased Research Institute, Wageningen University Netherlands.  
Mobility research project: "Formulation and functionality testing of novel bio-based materials and products."

**September 2009-To date:** INRA Montpellier (France), UMR 1083 Sciences pour l'Œnologie.  
Research fellow: "Functionalization of natural phenolic compounds: synthesis of bio-based polymers."

**March 2008-June 2009:** Institut de Chimie Moléculaire de Reims, UMR 6229, Université Reims Champagne-Ardenne (France).  
Postdoctoral research: "Depolymerisation and catalytic oxidation of polysaccharides: development of biodegradable chelating agents." & " C-H bond activation : palladium-catalyzed reactions."

**2004-2007:** Laboratoire de Synthèse Organique CNRS UMR, 6180, Chirotechnologies: Catalyse et Biocatalyse, Université d'Aix- Marseille III (France).

Ph.D thesis: "Using in organic synthesis of bis-allylsilans derived from the reductive dimerization of 1,3-diene."

## Publications

Number of publications: 13

Sum of times cited: 62

H-index : 4

*Major publications :*

- C. Aouf, J. Lecomte, P. Villeneuve, E. Dubreucq, H. Fulcrand. Chemo-enzymatic functionalization of gallic and vanillic acids. Synthesis of novel bio-based epoxy resins prepolymers. *Green chemistry*. **2012**. DOI: 10.1039/c2gc35558b.
- H. Nouailhas, C. Aouf, C. Le Guernevé, S. Caillol, B. Boutevin, H. Fulcrand. Synthesis and properties of biobased epoxy resins. Part 1. Glycidylation of flavonoids by epichlorohydrin. *Journal of Polymer Science Part A-Polymer Chemistry*. **2011**, 49, 2261-2270.
- C. Aouf, D. Harakat, J. Muzart, B. Estrine, S. Marinkovic, J. Le Bras. Low catalyst loadings for the production of carboxylic acids from polysaccharides and hydrogen peroxide. *ChemSusChem*, **2010**, 3, 1200-1203.
- C. Aouf, E. Thiery, J. Le Bras, J. Muzart. Palladium-Catalyzed dehydrogenative coupling of furans with styrenes. *Organic Letters*. **2009**, 11, 4096-4099.
- C. Aouf, N. Galy, H. Doucet, M. Santelli. Regioselective metathesis reactions of various polyunsaturated ketones and alcohols. *Applied Organometallic Chemistry*. **2010**, 24, 794-797.