

## Dr Sylvain CAILLOL

Director of ChemSuD

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*Biobased building blocks and polymers*

*Step growth polymerization*

*Emulsion polymerization*

*Ecodesign*

## Education and Experience

Sylvain Caillol was born in 1974 in Sète, France. He first graduated from the polymer chemistry department of the engineering school of Chemistry of Montpellier (Master's degree in chemistry). Then he did his thesis at the Chemistry Laboratory of Organic Polymers in Bordeaux on the synthesis of biodegradable polymers for drug delivery. He received his PhD degree in 2001 from the University of Bordeaux, France.

Subsequently he joined Rhodia group as research scientist at the Research Center of Aubervilliers, France. He worked on emulsion radical polymerization for latex synthesis for various additives and coatings applications. Then he worked as chemical engineering expert for research center and manufacturing plants worldwide.

Later he was promoted Department Manager and headed the Rhodia Polymer Research Department in Aubervilliers. At the same time he was project leader at French Federation of Chemistry for ecodesign and life cycle assessment projects in chemical industry from 2005 to 2009.

In 2007 he joined the CNRS in the polymer team of Charles Gerhardt Institute of Montpellier where he started a new research topic dedicated to biobased polymers and composites. His research interests include the use of renewable resources for the synthesis of biobased building blocks and polymers for materials and energy. He is cofounder and Director of ChemSuD Chair (Chemistry for Sustainable Development) in Montpellier. He is Deputy Director of Carnot Institute "Chemistry, Environment and Sustainable Development". He is co-authors of several articles, patents and books chapters.

## Awards

In 2010, he won the Innovative Techniques for Environment award.