®WOODCHEM 2017

Wood conquering chemistry

NANCY - FRANCE
December, 6th and 7th 2017

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Editorial

Woodchem: towards food producing forests? Touch wood!

In France, as in all industrialised countries, eating habits have changed more in the last 50 years than in previous centuries. Today, eating fulfils both a nutritional and social function, but is also the reflection of our commitment to our health and planet. Local, seasonal, organic and ethical food, as well as animal welfare are playing an increasingly important part in our choice of products.

At a time of 'healthy, ethical eating', isn't there a place for wood on our plates and for our animals? What before may have been considered science fiction is now a real market of the future. Forest biomass is now the raw material used in food supplements, vanillin and chewing gum. Changing eating habits go hand in hand with societal changes. In particular, they can only be understood in the light of the technological factors that punctuate wood chemistry.

In the face of a huge market for agricultural and food products, universities, businesses and manufacturers are working to make wood chemistry a sustainable alternative food supplement for people and animals. Now in its fourth year, Woodchem, the first international scientific conference on wood chemistry will bring together major players in this rapidly evolving field.

We look forward to seeing you in Nancy on 6-7 December!
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3 good reasons to come to Woodchem® 2017

REGISTRATION

- Because making use of wood chemistry for food and agricultural products means choosing **local, available and sustainable production that meets environmental requirements.**
- Because wood provides an **unexpected edible product** to complement agricultural products.
- Because the agriculture and food sector has yet to reveal of its potential in terms of wood chemistry and there remain **many opportunities left to grasp**.

A sneak preview of the conference

ARBIOM: WOOD FOR AQUACULTURE

The American agricultural and forest biomass conversion company, Arbiom (which operates in France within the Geonopole Biopark in Evry) is consolidating its "from wood to food" value chain with the launch of its SYLFEED project: after the fractionation of the lignocellulose, woody biomass is converted into high-protein, genuinely sustainable feed ingredients for use in aquaculture. SYLFEED offers a sustainable solution to the world's growing food sourcing problems and new economic development opportunities for biomass rich regions. The €10.9M in funding from the European Union BBI-JU will support the building of a demonstration plant which will be colocated with Norske Skog in Golbey, in Eastern France.

Lisette Tenlep, Director of the Application Center at Arbiom, will present the Sylfeed project and the latest advances in wood chemistry at Woodchem on 7 December.

PROGRAMME

WEDNESDAY 6 DECEMBER

SESSION 1: THE FOREST RESOURCE

How does wood chemistry fit into the traditional forest timber sector? What is the added value for the sector? How can we get the most value from the resource?

Speakers: **Polybridge, CIRAD, LERFOB, ONF, Luxcontrol, Université de Liège (Belgium)**

SESSION 2: MOLECULES DERIVED FROM WOOD FOR USE IN COMMODITY CHEMICALS

Themese: fractionation, bio-refinery, development of biosourced platform molecules derived from lignin and polysaccharides (C5 and C6 chemistry).

Speakers: **Institut Français du Pétrole, INRA, Arbiom, CIRCA SUSTAINABLE CHEMICALS LIMITED, Université de la Tuscia (Italy), AgroParisTech, Université de Grenoble Alpes, Université de Lorraine**

THURSDAY 7 JULY

SESSION 3: MOLECULES DERIVED FROM WOOD FOR USE IN SPECIALITY CHEMICALS

Themes: extraction, characterisation and processing of secondary metabolites derived from wood for the pharmaceutical and cosmetic sectors or as antiseptic and antioxidant agents.

Speakers: **SEPPIC, Biolie SAS, Harmonic Pharma, Université de Lorraine, Université de la Polynésie Française, Université de Strasbourg, Université Laval (Canada), Université de Freiburg (Germany), CIRAD**

SESSION 4: NEW MATERIALS DERIVED FROM WOOD

Themes: chemical modification of solid wood, lignocellulosic fibre composites, resins or polymers from molecules or macromolecules derived from wood.

Speakers: **Université de Lorraine, Soprema, PearL, List, CNRS, Université de Freiburg (Germany)**

> Full programme