



® WOODCHEM

2019



NANCY - FRANCE
November, 20th - 22th 2019



First announcement and call for papers

The WOODCHEM® 2019 Congress is an international scientific conference dedicated to wood-based chemistry

Covering a wide range of topics related to the chemical and biochemical uses of wood and related biomass, WOODCHEM® 2019 will provide an excellent opportunity for scientists, engineers, manufacturers and other specialists to discuss and share their expertise and for policy makers and government officials to showcase cutting edge technology for the sustainable large-scale wood based industries of the future.

WOODCHEM® 2019 will take place in Nancy, France on 20, 21 and 22 November 2019. The conference is organised by the French clusters Fibres Energivie and Industries Agro Ressources with the support of Xylofutur and Cosmetic Valley clusters. As in previous years (Epinal 2009, Strasbourg 2011, Nancy 2013 and 2017), our scientific and organising committees are committed to organising a rewarding conference for all participants. It is with great pleasure that we invite authors to submit their presentations and papers on the conference topics and to participate in WOODCHEM® 2019.

Professor Philippe GERARDIN

Chairman of WOODCHEM® 2019 - Université de Lorraine, Nancy, France



Preliminary Programme

🕒 **NOVEMBER, 20th 2019 (Afternoon)**

Introduction: Bioeconomy of the timber sector

SESSION 1 - THE FOREST RESOURCE

This first session is dedicated to presentations dealing with how innovative end uses drawing on wood chemistry may transform traditional organisation of the forest and wood-derived industries and could add value and promote a better use of forest resources. It will include papers on raw material assessment (in terms of quality and quantity, forest resources or supply chains and cascading uses) and systems analysis (policy and economics, durability assessment, supply chains etc.)

🕒 **NOVEMBER, 21th 2019**

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

This session is dedicated to the fractioning, biorefinery and development of new bio-sourced platform molecules derived from lignin and polysaccharides (C5 and C6 compounds). Examples of collaborative research programmes involving academics and manufacturers are particularly welcome.

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

This session is dedicated to the extraction, characterisation and uses of secondary metabolites derived from wood. Uses may include antioxidants, antiseptics, nutraceuticals, pharmaceuticals, cosmetics or any other applications... Examples of collaborative research programmes involving academics and manufacturers are particularly welcome.

🕒 **NOVEMBER, 22th 2019 (Morning)**

SESSION 4 - NEW MATERIALS DERIVED FROM WOOD

This session is dedicated to the development of new materials derived from wood. It will cover solid wood modification, new composites from wooden biomass as well as new resins or polymers obtained from molecules or macromolecules extracted from wood. Here too, examples of collaborative research programmes involving academics and manufacturers are particularly welcome. Simultaneous interpretation available in English and French.

Conference Topics



The Woodchem® 2019 conference will focus on the valorization of molecules and macromolecules issued from wood and wood industry by-products as well as on the chemical and biochemical processus involved for their conversion production. The conference also covers the whole supply chain and the processing of wooden biomass into useful chemicals or products. For the 2019 edition, a particular interest will be held on the valorisation of biomolecules issued from tropical wood species. We therefore invite authors to contribute with original papers on the following topics.

@ EMERGING TECHNOLOGIES FOR WOOD-BASED CHEMISTRY

We are looking for technical science contributions on clean extraction, modification and transformation processes and, more specifically, on the following topics:

- > Forest resources and industrial by-products
- > Fractioning technologies
- > Bio-refinery technologies
- > Green extraction processes

@ NEW DEVELOPMENTS IN WOOD-BASED CHEMICAL INTERMEDIATES

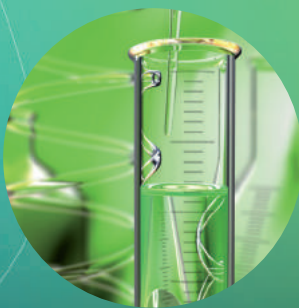
- > **Extractables** (terpenes, flavonoids, lignans, stilbenes, tannins, phenolic compounds, alkaloids etc.)
- > **Building blocks** (aromatic building blocks, C5 and C6 chemicals, furan derivatives etc.)
- > **Bulk polymers** (aromatics and lignin derivatives, polysaccharides, cellulosic polymers, Nanocellulose etc.)
- > **Fonctionalized Molecules**, henri synthesis

TARGET APPLICATIONS

- > **The latest innovations and developments for industrial formulation:** lubricants, surfactants, adhesives, plasticizers, paints, coatings, inks and solvents...
- > **Or formulations for consumer goods or industrial cleaning:** home care, personal care, antioxidants, antiseptics, cleaning products etc.
- > **Materials such as modified wood or wood-based composites / plastics**

FOR THE FOLLOWING SECTORS

- > **Construction and housing**
- > **Transport** (automotive, aeronautics, train, nautics)
- > **Healthcare** (phytotherapy, pharmacy, neutraceuticals, cosmetics etc..)
- > **Chemical industries** (Building blocks, polymers)



🌐 Scientific committee

Professor Philippe GERARDIN

Chairman of WOODCHEM® 2019 -

University of Lorraine, Nancy, France

Pr. Florent Allais, **AgroParisTech, France**

Pr. Luc Averous, **University of Strasbourg, France**

Pr. Nicolas Brosse, **University of Lorraine, France**

Pr. Alain Celzard, **University of Lorraine, France**

Pr. Christine Chirat, **Grenoble INP-Pagora, France**

Dr. Francis Colin, **INRA, France**

Pr. Christine Gérardin, **University of Lorraine, France**

Ms Amandine Goubert, **Pôle Cosmetic Valley, France**

Pr. Stéphane Grelier, **University of Bordeaux, France**

Pr. Haswan Hussin, **University Sains Malaysia, Malaysia**

Mr Armand Klem, **Norske Skog Golbey, France**

Dr. Bernard Kurek, **INRA, France**

Pr. Marie Pierre Laborie, **University of Freiburg, Germany**

Dr. Marie-Christine Lagel, **Pôle Fibres-Energivie, France**

Ms Marina Lopez-Guía, **Pôle Xylofutur, France**

Pr. Holger Militz, **University of Göttingen, Germany**

Mr Rémi Perrin, **Soprema, France**

Pr Arthur Ragauskas, **University of Tennessee, USA**

Pr. Lennart Salmen, **RISE/Biorefinery, Sweden**

Pr. Wasrin Syafii, **Bogor University, Indonesia**

Mr Jacky Vandeputte, **Pôle IAR-The French Bioeconomy Cluster, France**

Mr. Pascal Xanthopoulos, **Polybridge, France**

Pr. Lu Xiaoning, **Nanjing Fousty University, China**

🌐 Organizing committee

Ms Ashley Bach, **Pôle Fibres-Energivie, France**

Pr. Nicolas Brosse, **University of Lorraine, France**

Pr. Christine Gérardin, **University of Lorraine, France**

Pr. Philippe Gérardin, **University of Lorraine, France**

Ms Annick Larrieu-Manan, **Pôle Xylofutur, France**

Ms Hélène Meyer, **Pôle Fibres-Energivie, France**

Ms Virginie Valet, **Pôle IAR-The French Bioeconomy Cluster, France**

A background image showing sunlight filtering through the trees of a forest, creating a warm and natural atmosphere.

Call for papers

We invite authors to contribute with original papers related on the topics covered by **WOODCHEM® 2019** for presentation at the conference.. The submitted abstracts will be subject to peer review. Presentations will be 20 minutes long. You also have the option of contributing a poster to be presented at the conference.

@ ABSTRACTS

a SUBMISSION

Abstracts must be submitted to the following address: contact@woodchem.fr

b INSTRUCTIONS

Authors should read the instructions below carefully before submitting abstracts: Authors are invited to submit abstracts on topics within the scope of the conference. When submitting abstracts, the following guidelines must be followed:

- > Abstracts should be 400-500 words in length
- > Abstracts must not exceed one page
- > Abstracts should clearly indicate the purpose of the work, approach and methodology, imitations and significant findings. Concise conclusions or recommendations should be included.
- > Abstracts should not contain figures, tables, equations or references.
- > Abstracts must be in editable format, preferably Microsoft Word (Calibri, size 11).
- > Any submissions must state the topic reference.

Only contributions that meet the above specifications will be considered for review. Please state whether you would prefer to contribute an oral presentation, a poster or both.

c DEADLINES

The deadline for abstracts is 31/07/2019. Authors will be notified whether their abstract has been accepted by 15th September 2019.

d ADDITIONAL INFORMATION: www.woodchem.fr



Practical Information

📍 REGISTRATION

Registration for the conference is through the website only:

www.woodchem.fr

The registration fee (€450) includes all scientific sessions of the conference, all conference materials, lunches and coffee breaks.

	Participant	Members of organising clusters ¹
Registration fee after September 15th	450€ including tax	380€ including tax
Early bird rate until September 15th	400€ including tax	350€ including tax
Gala diner	80€ including tax	80€ including tax
Students ²	90€ including tax	-

¹ Member rate : This rate is reserved for members (up to date with their subscription fees as of the conference date) of the 4 organising clusters. Fibres-Energivie, IAR-The French Bioeconomy Cluster, Xylofutur and Cosmetic Valley.

² Student rate : To be eligible, you must show your student I.D at the conference reception.

📍 ENQUIRIES

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