



® WOODCHEM

2017



NANCY - FRANCE
December, 6th and 7th 2017



First announcement and call for papers

The WOODCHEM® 2017 Congress is an international scientific conference dedicated to wood-based chemistry.

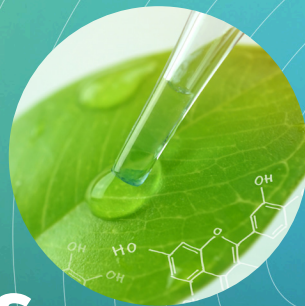
Covering a wide range of topics related to chemical and biochemical valorization of wood and the corresponding biomass, WOODCHEM® 2017 will provide an excellent opportunity for discussion and exchange of knowledge between scientists, engineers, industrials, and other specialists, as well as to policy makers and government officials to showcase leading-edge technology for future sustainable large scaled wood-based industries.

WOODCHEM® 2017 will take place in Nancy, France on December 6th and 7th, 2017. The congress is organized by the French Fibres Energivie Innovative Cluster with the support of Xylofutur and Industries & Agro-Ressources clusters. As for the previous editions (Strasbourg 2011, Epinal 2009 and Nancy 2013), our scientific and organizing committees are fully dedicated to the organization of a rewarding congress for all participants. It is our pleasure to invite authors to contribute with oral communications and posters related to the topics covered by the congress and to participate in WOODCHEM® 2017.

Professor Philippe GERARDIN

Chairman of WOODCHEM® 2017 - Université de Lorraine, Nancy, France

TOPICS of the congress



The Woodchem® 2017 conference will focus on the chemical and biochemical conversion of wood and its by-products into bio-sourced molecules, macromolecules, polymers or materials. Another aspect of the congress is to cover the whole chain of the supply and processing of wooden biomass into chemicals or products of interest. We therefore invite authors to contribute with original papers to the following topics.

@ EMERGING TECHNOLOGIES FOR WOOD-BASED CHEMISTRY

We expect 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

- > Extractibles (terpens, flavonoids, lignans, stilbenes, tannins, phenolic compounds, alkaloids...)
- > Building blocks (aromatic building blocks, C5 and C6 chemistry, furan derivatives...)
- > Bulk polymers (aromatics and lignin derivatives, polysaccharides, cellulosic polymers, Nanocelluloses...)

TARGET APPLICATIONS

- > The latest innovations and developments for industrial formulation: lubricants, surfactants, adhesives, plasticizers, paints, coatings, inks and solvents...
- > Or formulations dedicated to consumer goods or industrial cleaning: home care, personal care, antioxydant, antiseptic, cleaner...
- > As well as materials, like modified wood or wood based composites / plastics

FOR THE FOLLOWING MARKETS

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



@ Scientific committee

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Call for papers

We invite authors to contribute with original papers related to the topics covered by **Woodchem® 2017** for presentation at the congress. The submitted abstracts will be subject to peer review. Papers accepted for oral presentation will be given 20 minutes presentation time.

@ ABSTRACTS

a SUBMISSION

Abstracts must be submitted to the following address:

contact@woodchem.fr

b INSTRUCTIONS

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

- > The abstract should be 400-500 words length
- > The abstract must not exceed one page
- > The abstract should clearly indicate the purpose of the work, approach and methodology, imitations and significant results. Concise conclusions or recommendations should be included.
- > The abstract should not contain figures, tables, equations or references.
- > The abstract must be in editable format, preferably Microsoft Word (Calibri, size 11).
- > When submitting, the topic reference under which the abstract is being submitted must be indicated

Only contributions complying with the above specifications will be considered for review.

c DEADLINES

The deadline for the abstract is May, 30th 2017. Acceptance of the abstract will be communicated to the contact author no later than September, 15th 2017.

d ADDITIONAL INFORMATION

www.woodchem.fr



Preliminary Program

@ **DECEMBER, 6th 2017**

Introduction: Bioeconomy of the forest and wood sector

SESSION 1 - THE FOREST RESOURCE

This first session is dedicated to presentations dealing with how innovative wood end uses based on chemistry may modify traditional organizations of forest wood chains and could contribute to additional value and to a better use of forest resource. It will include papers dealing with raw material assessment (in quality and quantity, in forest resource or in supply chains as part of cascading uses) and with systems analysis (policy and economics, durability assessment, logistic chains ...)

SESSION 2 - MOLECULES ISSUED FROM WOOD FOR COMMODITY CHEMISTRY

This session is dedicated to fractioning, biorefinery and development of new building issued from lignin and polysaccharides (C5 and C6 sugar chemistry). Example of collaborative research program involving academics and industrial will be particularly appreciated.

@ **DECEMBER, 7th 2017**

SESSION 3 - MOLECULES ISSUED FROM WOOD FOR SPECIALITY CHEMISTRY

This session is dedicated to extraction, characterization and valorization of secondary metabolites issued from wood. Valorization may include antioxydant, antiseptic, nutraceutic, pharmaceutic, cosmetic or any other applications... Example of collaborative research project involving academics and industrial will be particularly appreciated.

SESSION 4 NEW MATERIALS ISSUED FROM WOOD

This session is dedicated development of new materials issued from wood. It will included solid wood modification, new composites from wooden biomass as well as new resins or polymers obtained from molecules or macromolecules extracted from wood. Here also, example of collaborative research project involving academics and industrial will be particularly appreciated.

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Practical Information

📍 REGISTRATION

Registration for the congress can be made only through the website:
www.woodchem.fr

The registration fee (420€) includes all scientific sessions of the congress, all congress materials, lunches and coffee breaks.

Early bird until September, 15 th 390€ TTC	Members of the three organizing clusters 360€ TTC	Students 195€ TTC	Registration fee after September, 15 th 420€ TTC
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📍 INQUIRIES

Pôle de Compétitivité Fibres Energivie
Pôle Fibres-Energivie
6 rue Oberlin
67000 STRASBOURG

Contact person: Hélène Meyer
E-mail: helene.meyer@fibres-energivie.eu
contact@woodchem.fr

An initiative by:



Organised jointly with:



With the support of:

