



ILV

Institut Lavoisier de Versailles

VALORISATION OF NATURAL PRODUCTS AND INDUSTRIAL APPLICATIONS

Permanent members

Régis Goumont (Professor)

Sylvain Marque (Associate Professor)

Dominique Vichard (Associate Professor)

PhD Students/Postdocs

Vincent Carpentier (PhD student)

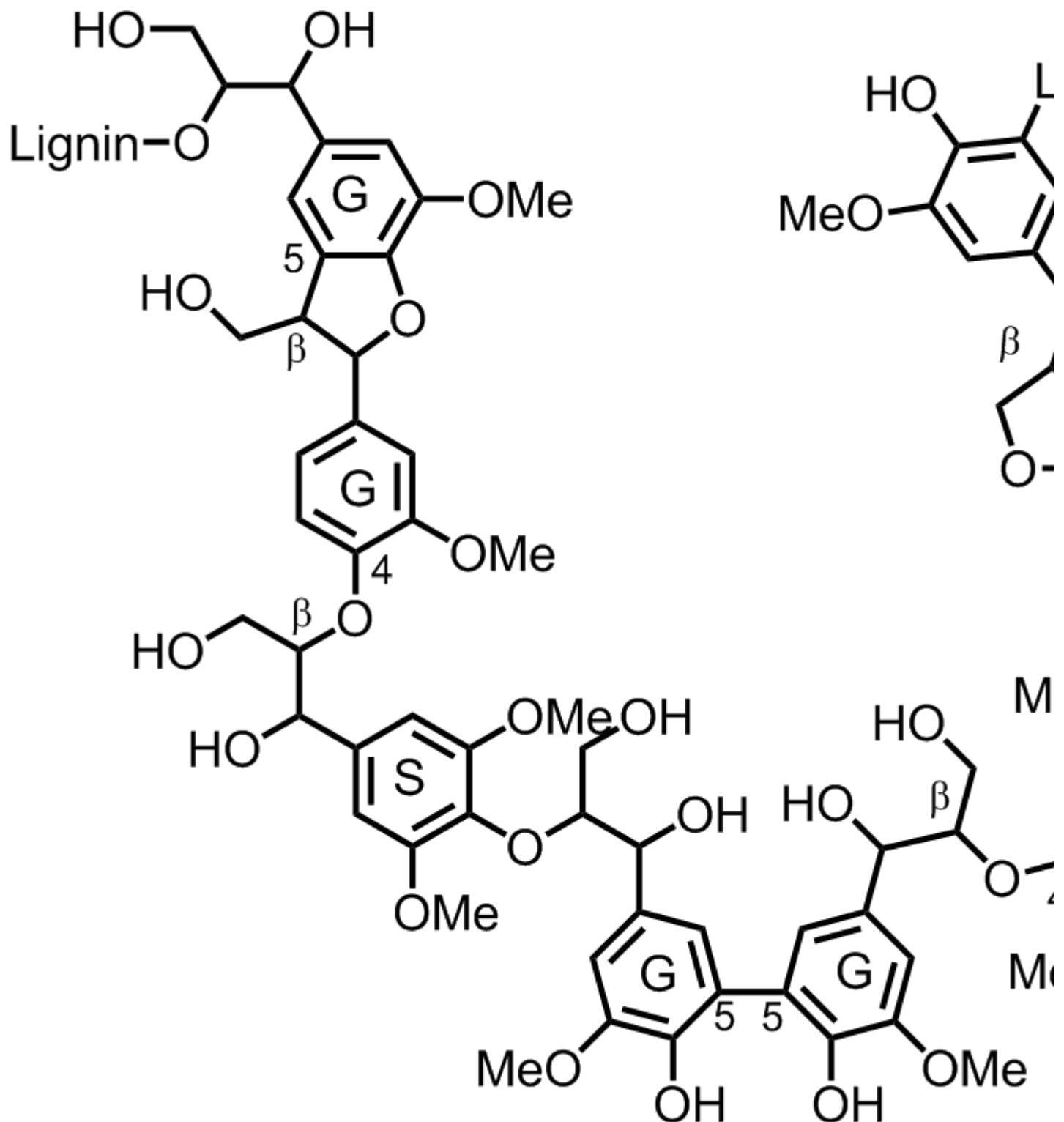
Kelvin Meza Casamayor (PhD student)

List of publications

Main themes

Demethylation and depolymerisation of lignin

(Collaboration with INRA, Versailles)



Synthesis of new multi-functional anti-oxidants

(Collaboration with Symrise)



Stratégie innovante
capables de répondre

Résultats présentés au congrès de Cosmetic Europe

New anti-oxidants by an eco-compatible procedure

(Collaboration with International Flavors and Fragrances IFF)

Development of flavor agents and encapsulation of flavors by extrusion

(Collaboration with Expressions Aromatiques)

- Development of natural substances by methods approaching organic synthesis but compatible with the description « natural » following regulation CE 1334/2008 relating to flavours.

- Scale-up of equipment for industrial production of these products.
- Molecular approach to the encapsulation of flavours by dual extrusion.
- Thermo-resistance studies of flavours.
- Development of products with glass transition temperatures greater than 40°C.

Versailles-Sciences Lab platform

- » Partnership with Nez Editions

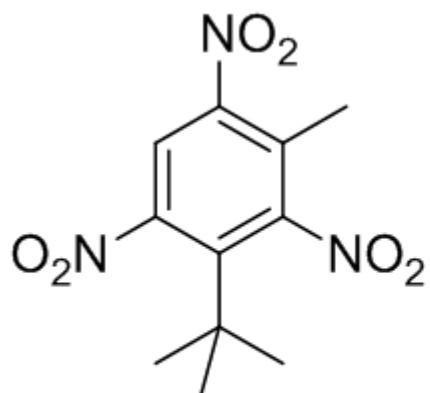


« Les Matières premières – Les Synthétiques » in « Le Grand Livre du parfum » ouvrage collectif, octobre 2018

« Dialogue entre une artiste et un chimiste » in « Voici des feuilles, des fleurs, des fauves et des oiseaux - Une monographie de Julie C. Fortier » ouvrage collectif, juillet 2020

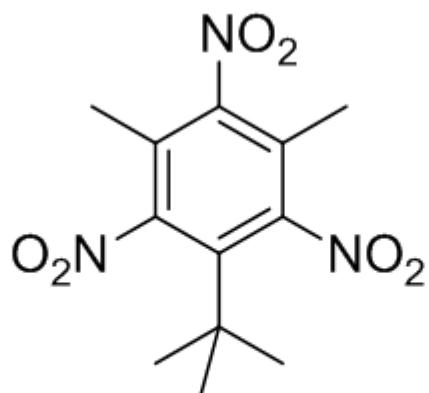
- » Collaboration with the Osmothèque, Versailles

Synthesis of nitro-musks



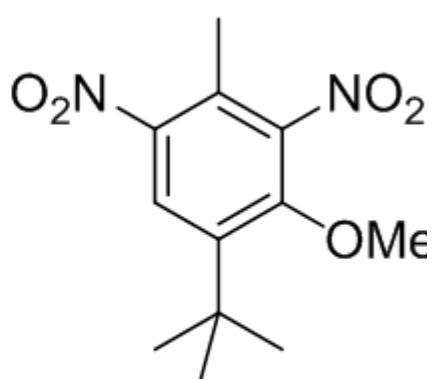
musk Baur

Baur, 1888



musk xylene

Schnaufer & Hupfeld 1888



musk ambrette

Baur, 1891

» Extraction by supercritical CO₂

(collaboration with the TPE Bouture.com)

Extraction of oils rich in omega-3, with variable tocopherol levels, from the seeds of tree peonies.

