



LGP2, un pôle de recherche innovant

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## LGP2 - Communications sans actes dans des congrès - 2012

LGP2



### Communications orales, séminaires

- 1 - **BLOCH J.F.**, **DUMONT P.**, ORGEAS L., ROLLAND DU ROSCOAT S., **BRAS J.**  
*Smart papers, architecture materials and materials' selection criteria.* Workshop, Grenoble INP-Phelma, Grenoble (France), février 2012
- 2 - **BRAS J.**, LE CORRE D., VAHANIAN E., **DUFRESNE A.**  
*Starch nanocrystals preparation processes and influence of enzymatic pre-treatment.* 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012
- 3 - **DUFRESNE A.**  
*New progress and processing of polymer nanocomposites reinforced with polysaccharide nanocrystals.* INTEMA, Universidad nacional de Mar del Plata, Mar del Plata (Argentine) 14 mars 2012

4 - DUFRESNE A.

*New progress and processing of polymer nanocomposites reinforced with polysaccharide nanocrystals.* Universidad de Buenos Aires, Buenos Aires(Argentine), 20 mars 2012

5 - DUFRESNE A.

*Polymer nanocomposites reinforced with nanoparticles extracted from renewable resources.* Centro de Investigacion y Desarrollo en Criotecnologia de Alimentos, Universidad Nacional de la Plata, La Plata (Argentine), 22 mars 2012

6 - DUFRESNE A.

*High performance polymer nanocomposites reinforced with renewable polysaccharide nanoparticles.* Department of Mechanical Engineering, University of Canterbury, Christchurch (Nouvelle-Zélande), 16 octobre 2012

7 - DUFRESNE A.

*Processing of nanocellulose based polymer nanocomposites.* TAPPI Nanotechnology Division Webinar, 8 novembre 2012

8 - DUMONT P., ORGEAS L., HUBERT M., VERMEULEN B., VROMAN P., ROLLAND DU ROSCOAT S., BLOCH J.F.

*Investigation of compression molding of flax fibre biocomposites.* 12th International Conference on Biocomposites: Transition to Green Materials, Niagara (Canada), 6-8 mai 2012

9 - DUVAL A., MOLINA-BOISSEAEU S., CHIRAT C.

*Elaboration et caractérisation de matériaux gluten-lignine.* 41ème Colloque National du Groupe Français des Polymères, Grenoble (France), 19-22 novembre 2012

10 - IKOUOUBEL K., DUMONT P., PASSAS R.

*Reconstruction tridimensionnelle de la surface de fibres et suivi de leur déformation .* La Garde (France), 5-8 juin 2012

11 - KARIMIMAZRAEHSAMI S., KARIMI A.N., JONOBI M., TAHIR MD, OKSMAN K., DUFRESNE A.

*Isolation and characterization of cellulosic nanofiber from kenaf bast.* 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012

12 - MISSOUM K., BELGACEM N., BRAS J.

*Surface chemical modification of nanofibrillated cellulose in ionic liquids.* 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012

13 - ROUX J.C., BLOCH J.F.

*The net normal force per crossing point: a unified concept for the low consistency refining of pulp suspensions.* Papermaking and Biorefinery International Workshop,

14 - SANGULARD M., CHIRAT C., JARMAN B., LACHENAL D.

*Extraction of hemicelluloses from eucalyptus globulus woodchips for their valorisation into surface-active agents.* European Workshop on Lignocellulosics and Pulp, Helsinki (Finlande), août 2012

15 - VIGUIE J., DUMONT P., ROLLAND DU ROSCOAT S., VROMAN P., VERMEULEN B., ORGEAS L., BLOCH J.F.

*X-ray microtomography and DIC technique to analyse the hygroexpansion of plant-based fibrous mats for composite materials.* ECCM 15, 15th European Conference on Composite Materials, Venise (Italie), 15-24 juin 2012

## Communications par poster

16 - ABDALLAH W., KHIARI R., MEJRI M., BELGACEM N., MHENNI M.F.

*Papermaking from Posidonia Oceanica and date palm leaves.* International Workshop WCI in Hadrumete, Sousse (Tunisie), novembre 2012

17 - ALI I., PASSAS R., BLOCH J.F.

*Effect of recycling on fibre wall of bleached softwood kraft pulp.* ANQUE International Congress of Chemical Engineering, Séville (Espagne) 24-27 juin 2012

18 - BOUCHER J., CHIRAT C., LACHENAL D.

*Simultaneous production of ethanol and softwood kraft pulp: pre-treatments and effects of inhibitors on fermentation.* European Workshop on Lignocellulosics and Pulp, Helsinki (Finlande), août 2012

19 - ESPINO-PEREZ E., BRAS J., GILBERT R., BELGACEM N., DOMENEK S.

*Polysaccharides nanocrystals grafted with polystyrene : comparison between CAN and ozonolysis grafting methods.* 41ème Colloque National du Groupe Français des Polymères, Grenoble (France), novembre 2012

20 - FUKUDA S., CHAUSSY D., BELGACEM N., REVERDY-BRUAS N.

*Water and oil-repellencies and printability of oil-proof papers containing new type fluorochemicals.* 35th Annual Meeting of the Adhesion Society (2012), New Orleans (Etats-Unis), 25-29 février 2012

21 - GOPALAKRISHNAN P., SAITER J.M., BELGACEM N.

*Natural fibre based composites : from surface treatment to mechanical properties.* 4th International IUPAC Conference on Green Chemistry (ICGC), Fos do Iguacu (Brésil), août 2012

22 - HANNOUZ S., MARTIN C., BRAS J.

*Different nanocelluloses as additives in polymer matrix solutions: influence on rheology*

*properties*. 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012

**23** - IKOUBEL K., PASSAS R., DUMONT P.

*Study of wood fiber morphology and deformation by coupling a micro-robotic system and environmental scanning electron microscopy*. Workshop on Nano- and Micro-Environments for Cell Biology, LIPhy laboratory, Grenoble INP, avril 2012

**24** - LAVOINE N., DESLOGES I., BRAS J.

*Caffeine release study in a microfibrillated cellulose nanoporous structure*. 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012

**25** - LENFANT G., TAIJA R., BRUZZESE C., POPPIUS-LEVLIN K., ROUSSIERE F., BRAS J.

*Valorization of cellulose nanocrystals in xylan-based matrix for advanced packaging products*. 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012

**26** - LIPPARELLI-MORELLI C., BRAS J., SUMAN BRETAS R.E., BRANCIFORTI M.C., BELGACEM N.

*Nanocomposites of biodegradable polymer matrix and chemical modified cellulose nanocrystals*. 41ème Colloque National du Groupe Français des Polymères, Grenoble (France), novembre 2012

**27** - LIPPARELLI-MORELLI C., BRAS J., SUMAN BRETAS R.E., BRANCIFORTI M.C., BELGACEM N.

*Paper and plastic packagings with antibacterial properties*. 41ème Colloque National du Groupe Français des Polymères, Grenoble (France), novembre 2012

**28** - MISSOUM K., BELGACEM M.N., MAURET E., BRAS J.

*Determination and comparison of the charge of different nanofibrillated cellulose*. 243th ACS National Meeting & Exposition, San Diego (Etats-Unis), 25-29 mars 2012

**29** - PEREDA M., MARCOVICH N.E., DUFRESNE A., ARANGUREN M.I.

*Chitosan based edible films with reduced water vapour permeability*. 7th International Conference on Nanostructured Polymers and Nanocomposites, Prague (République tchèque), 24-27 avril 2012

**30** - PEREDA M., MARCOVICH N.E., DUFRESNE A., ARANGUREN M.I.

*Chitosan films modified with nano-cotton fibers and/or olive oil*. International Conference on Biobased Polymers and Composites, Lac Balaton (Hongrie), 27-31 mai 2012

**31** - SANGLARD M., CHIRAT C., MANLEY-HARRIS M., LACHENAL D.

*Analysis of hemicelluloses extracted by auto-hydrolysis from eucalyptus and the impact of auto-hydrolysis conditions on their structure by MALDI-ToF-MS*. European Workshop on Lignocellulosics and Pulp, Helsinki (Finlande), août 2012

32 - THIBERT S., CHAUSSY D., BENEVENTI D., REVERDY-BRUAS N., JOURDAN J., BECHEVET B., MIALON S.

*Silver ink experiment for silicon solar cell metallization by flexographic process.* 38th IEEE Photovoltaic Specialist Conference, Austin (Etats-Unis), 3-8 juin 2012

33 - THIBERT S., CHAUSSY D., BENEVENTI D., REVERDY-BRUAS N., JOURDAN J., BECHEVET B., MIALON S.

*Characterization of silver pastes for silicon solar cells front side metallization.* Silicon PV, 2nd International Conference on Crystalline Silicon Photovoltaics, Leuven (Belgique), 3-5 avril 2012

## Recherche

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