

Publication list

2017

- ◆ **Serrano, L., Esakkimuthu, E.S., Marlin, N., Bertaud, F., Mortha, G.**, “Fast method for lignin phenolic hydroxyl groups quantification. Comparison with classical techniques”, 10th World congress of chemical engineering, Oral Presentation, Barcelona, Spain, 1-5 October 2017 (doc CTP n° 2938).
- ◆ **Labat, G., Gaillard, J.M., Raphalen, E., Henri, F.**, “Détermination du contenu biosourcé de matériaux selon les normes en cours EN16785 (1) et (2) – Etude de la faisabilité d’application de cette norme aux secteurs industries de la filière bois”, Journée « La normalisation des produits biosourcés pour gagner des marchés », Oral presentation, Paris, France, 19 Septembre 2017.
- ◆ **da Silva Perez, D., Bigand, V., Belmokkadem, F.-Z., Chemin, M., Huber, P., Rataboul, F., Pinel, C., Grelier, S., Cramail, H., Petit-Conil, M.**, “Extraction, modifications chimiques et valorization des hémicelluloses”, Chimie pour la transformation durable de la ressource lignocellulosique”, Chapitre XX, Presses Universitaires de France, Ed. Tjiana S. Janezic, in press, 2017.
- ◆ **Huber, P., Nivelon, S., Ottenio, P., Shelcher, M., Burnet, A.**, “Prediction of mineral deposits in kraft pulp bleaching lines through chemical process simulation”, 16th Fundamental Research Symposium, Oral presentation, Proceedings, vol.1, Session 3, pp451-485, Pembroke college, Oxford, United Kingdom, 3-8 Septembre 2017 (Doc CTP n°2964).
- ◆ **Said, A., da Silva Perez, D., Perret, N., Besson, M., Pinel, C.**, “Selective C-O bond hydrogenolysis of erythritol over supported Rh-ReOx catalysts in aqueous phase”, Poster presentation, EuropaCat conference, Florence, Italy, 27-31 August 2017.
- ◆ **Da Silva Perez, D., Tapin-Lingua, S., Kieffer, R., Andréoletti, B., Nunes-Coelho, A., Dufaud-Nicolaï, V., Woldemichael, S., Cabral-Almada, C., Fontgarland, P., Djakovich, L.**, “Different strategies for heterogeneous catalytic conversion of kraft lignin”, International Symposium on Wood, Fibres and Pulp Chemistry, Oral presentation, Proceedings, Porto Seguro, Bahia, Brazil, 29-31 August 2017.
- ◆ **Burnet, A., Marcon, J., Mortha, G., Marlin, N., Huber, P., Petit-Conil, M.**, “Innovative approaches for chemical pulp bleaching with lower environmental impact”, International Pulp Bleaching Conference, Oral presentation, Proceedings, Porto Seguro, Bahia, Brazil, 28-30 August 2017 (Doc CTP n°2955).
- ◆ **Rol, F., Karakashov, B., Terrien, M., Nechyporchuc, O., Meyer, V., Dufresne, A., Belgacem, M. N., Bras, J.**, “Pilot scale twin screw extrusion and chemical pretreatment as an energy-efficient method for the production of nanofibrillated cellulose at high solid content”, ACS Sustainable Chemistry & Engineering, vol.5, n°8, pp6524-6531, July 2017 (Doc CTP n°2962).
- ◆ **Bertaud, F., Crampon, C., Badens, E.**, “Volatile terpenes extraction of spruce, fir and maritime pine wood: supercritical CO₂ extraction compared to classical solvent extraction and steam distillation”, Holzforschung, vol.71, n°7-8, pp667-673, July-August 2017 (Doc CTP n°2939).
- ◆ **Falcoz-Vigne, L., Ogawa, Y., Molina-Boisseau, S., Nishiyama, Y., Meyer, V., Petit-Conil, M., Mazeaux, K., Heux, L.**, “Quantification of a tightly adsorbed monolayer of xylan on cellulose surface”, Cellulose, vol.24, n°9, pp3725-3739, July 2017 (Doc CTP n°2961).
- ◆ **Petit-Conil, M.**, “The nanocellulose, a new way to valorize the cellulose”, Journée de l’Association Française des Vendeurs de Pâtes, Oral presentation, Divonne les bains, France, 15 June 2017 (Doc CTP n°2952).
- ◆ **Bertaud, F., Petit-Conil, M.**, “Pulp mills: best candidates for integrated forest biorefinery”, 4th International Symposium on Green Chemistry,

Poster Presentation, La Rochelle, France, 16-19 May 2017 (doc CTP n° 2944).

- ◆ **Said, A., da Silva Perez, D., Perret, N., Pinel, C., Besson, M.**, "Selective C-O hydrogenolysis of erythritol over supported Rh-ReOx catalysts in aqueous phase" 4th International Symposium on Green Chemistry, Flash communication, La Rochelle, France, 16-19 May 2017.
- ◆ **Tapin-Lingua, S., da Silva Perez, D., Montibus, M., Petit-Conil, M.**, "Use of lignin to improve wood durability", 4th International Symposium on Green Chemistry, Poster Presentation, La Rochelle, France, 16-19 May 2017.
- ◆ **Bertaud, F., Lichère, H., Serrano, L., Mortha, G., Marlin, N.**, "Determination of functional groups of industrial lignins as key indicators for their use as novel green ingredients", 4th International Symposium on Green Chemistry, Flash Presentation, La Rochelle, France, 16-19 May 2017 (doc CTP n° 2963).
- ◆ **Burnet, A., Petit-Conil, M.**, "PolyWood – Extraction d'hémicelluloses du bois pour la production de polyamides", Journée AXELERA de valorisation du projet FUI PolyWood, Oral presentation, Grenoble, France, 10 May 2017 (doc CTP n° 2942).
- ◆ **Bertaud, F., Petit-Conil, M.**, "Terpènes, colophane et TOFA extraits du bois : une valeur ajoutée pour les usines de pâte à papier", Journée AXELERA de valorisation du projet FUI PolyWood, Oral presentation, Grenoble, France, 10 May 2017 (doc CTP n° 2940).
- ◆ **Bertaud, F., Dufour, A., Mauviel, G.**, "Phenoliq – Production de composés phénoliques par liquéfaction de la lignine", Journée AXELERA de valorisation du projet FUI PolyWood, Oral presentation, Grenoble, France, 10 May 2017 (doc CTP n° 2941).
- ◆ **Habibi, Y., Puchot, L., Verge, P., da Silva Perez, D.**, "Chain extension of low molecular hemicelluloses toward new polymeric materials", EuroFillers Polymers Blends Conference, Bio-based polymers and biocomposites topic, Poster presentation, Hersonissos, Heraklion Crete, Greece, 23-27 April 2017.
- ◆ **Rol, F., Bras, J., Meyer, V., Petit-Conil, M., El Kissi, N., Belgacem, N.**, "Cellulose fibre in situ fibrillation by twin screw extrusion", 253rd ACS National Meeting, Division of Cellulose and Renewable Materials - Nanocellulose processing & analysis – Fundamentals, Oral presentation, San Francisco, California, USA, 2-6 April 2017 (Doc CTP n°2956)
- ◆ **Falcoz-Vigne, L., Ogawa, Y., Meyer, V., Petit-Conil, M., Nishiyama, Y., Heux, L.**, "Interaction of β -(1-4) xylan with cellulose surface in biomimetic reconstructed models", 253rd ACS National Meeting, Division of Cellulose and Renewable Materials - Nanocellulose processing & analysis – Fundamentals, Oral presentation, San Francisco, California, USA, 2-6 April 2017 (Doc CTP n°2946)
- ◆ **Da Silva Perez, D., Chemin, M., Russelgong, J., Cramail, H., Grelier, S.**, "Nanoscale self-assembling properties of hybrid materials obtained from hemicelluloses oligomers and fatty acids in polar and non-polar media", 253rd ACS National Meeting, Division of Cellulose and Renewable Materials - Functional lignocellulosics & Technology – Tuning interfacial phenomena with lingo-nanocellulosic materials, Oral Presentation, San Francisco, California, USA, 2-6 April 2017.
- ◆ **Da Silva Perez, D., Bigand, V., Pinel, C., Rataboul, F., Huber, P., Petit-Conil, M.**, "Hemicelluloses cationisation: comparison of liquid and solid phase preparation", 253rd ACS National Meeting, Division of Cellulose and Renewable Materials - Advances in polysaccharides practices & applications – Preparation, characterisation & applications, Oral Presentation, San Francisco, California, USA, 2-6 April 2017 (Doc CTP n°2943).
- ◆ **Da Silva Perez, D., Dupont C.**, "On the importance of inorganics composition on biomass gasification", 253rd ACS National Meeting, Division of Cellulose and Renewable Materials - Chemistry & physical chemistry of thermal processes for the circular carbon economy, Oral Presentation, San Francisco, California, USA, 2-6 April 2017.
- ◆ **Lecourt, M.**, "Le bois, innovation et nouvelles applications", Atelier Achats responsables dans la construction, Ville de Lyon, Oral presentation, Lyon, France, 30 March 2017.
- ◆ **Bouchut, A., Lecourt, M., Petit-Conil, M., Bernard, J., Charlot, A., Fleury, E.**, "Tuneable surface properties of cellulose through adsorption of reactive polysaccharides", International Conference of biobased materials and composites, Proceedings, Oral presentation, Nantes, France, 29-31 March 2017.
- ◆ **Bertaud, F., Lichère, H., Mortha, G., P., Petit-Conil, M.**, "Determination of sulfonic and carboxyl acids contents of industrial

lignosulfonates”, 7th Nordic Wood Biorefinery Conference, Poster Presentation, Proceedings Stockholm, Sweden, 28-30 March 2017 (Doc CTP n°2933).

- ◆ **Bertaud, F., Chareyre, P., Petit-Conil, M.**, “Volatile terpene emissions in pulp mills: investigation of a Kraft pulp mill and potential recovering in a TMP mill”, 7th Nordic Wood Biorefinery Conference, Oral Presentation, Proceedings Stockholm, Sweden, 28-30 March 2017 (Doc CTP n°2932).
- ◆ **Serrano, L., Esakkimuthu, S., Marlin, N., Bertaud, F., Mortha, G.**, “Fast vs classical methods for phenolic hydroxyl groups quantification, FP1306 COST action 3rd Workshop, Oral presentation, Torremolinos, Spain, 27-28 March 2017 (Doc CTP n°2937).
- ◆ **Said, A., da Silva Perez, D., Perret, N., Pinel, C., Besson, M.**, “Selective C-O hydrogenolysis of erythritol over supported Rh-ReOx catalysts in aqueous phase”, Heterogeneous & Homogeneous & Bio & Nano ChemCatChem Catalysis, vol.9, pp2768-2783, February 2017.

2016

- ◆ **Marcon, J.**, “Lignocellulosic pulps: study of a new ECF bleaching stage with low environmental impact”, PhD thesis from Grenoble Alpes University, 15 December 2016.
- ◆ **Falcoz-Vigne, L.**, “Characterization and modelization of cellulose and hemicellulose interactions in microfibrillated cellulose (MFC)”, PhD thesis from Grenoble Alpes University, 30 November 2016.
- ◆ **Meyer, V., Lecourt, M., Nougier, P., Cottin, F., Mialon, A., Michine, A., Petit-Conil, M.**, “New enzymes generation to reduce energy consumption in thermomechanical pulping”, ATIP Journal, vol. 70, n°3, pp15-24, November 2016 (Doc CTP n°2922).
- ◆ **Rosselgong, J., Chemin, M., Ham-Pichavant, F., Coloignier, M., Chollet, G., da Silva Perez, D., Labat, G., Cramail, H., Grelier, S., Lecommandoux, S.**, “Hemicelluloses as a source of xylan-based building blocks for functional biomaterials”, 5^{èmes} Journées du GDR Sciences du Bois, Poster presentations, Talence, France, 08-10 November 2016.
- ◆ **Guérin, D., Meyer, V., Kunnari, V., Forsström, U., Tammel, T.**, “Surface functionalization of MFC films for the development of hydrophobic properties”, Symposium KNUCIPST, Oral presentations, Proceedings 33p, Chuncheon, Republic of South Korea, 27 September 2016 (Doc CTP n°2921)
- ◆ **Meyer, V., Lecourt, M., Nougier, P., Cottin, F., Mialon, A., Michine, A., Petit-Conil, M.**, “New enzymes generation to reduce energy consumption in thermomechanical pulping”, TAPPI International Mechanical Pulping Conference, Proceedings, Oral presentation, Jacksonville, Florida, USA, 25-28 September 2016 (Doc CTP n°2914).
- ◆ **Petit-Conil, M., Meyer, V., Cottin, F.**, “Are oxygenated compounds interesting bleaching agents for TMP and CTMP”, TAPPI International Mechanical Pulping Conference, Proceedings, Oral presentation, Jacksonville, Florida, USA, 25-28 September 2016 (Doc CTP n°2913).
- ◆ **Huber, P., Ottenio, P., Nivelon, S., Neyret, C., Fourest, E., Burnet, A.**, “Chemical process simulations for the pulp and paper industry: towards reduced water footprint”, 6th EuChems Chemistry Congress, Poster presentation, Proceedings, Sevilla, Spain, 11-15 September 2016 (Doc CTP n°2915).
- ◆ **Catalan, J., Rydman, E., Aimonen, K., Hannukainen, K.-S., Suhonen, S., Vanhala, E., Moreno, C., Meyer, V., da Silva Perez, D., Sneck, A., Forsström, U., Hojgaard, C., Willemoes, M., Winther, J. R., Vogel, U., Wolff, H., Alenius, H., Savolainen, K. M., Norppa, H.**, “Genotoxic and inflammatory effects of nanofibrillated cellulose in murine lungs”, Mutagenesis, vol 00, pp1-9, 2016 (Doc CTP n°2912).
- ◆ **Dupont, C., Jacob, S., Marrakchy, K.O., Hognon, C., Grateau, M., Labalette, F., da Silva Perez, D.**, “How inorganic elements of biomass influence char steam gasification kinetics”, Energy, vol. 109, pp430-435, August 2016.
- ◆ **Rivière, M., Said, A., Perret, N., da Silva Perez, D., Cabiac, A., Delcroix, D., Pinel, C., Besson, M.**, “Selective C-C and C-O hydrogenolysis of sugar polyols to C2-C3 polyols or partially dehydroxylated products”, 16th International Congress on Catalysis, Poster Presentation, Beijing, China, 3-8 July 2016.
- ◆ **Petit-Conil, M., Meyer, V., Lecourt, M.**, “High yield pulps : an interesting concept for producing lignocellulosic fibers”, Lignocellulosic fibers and wood handbook – Renewable materials for today’s environment, Chapter 6, pp157-205, Mohammed Naceur Belgacem and Antonio Pizzi editors, Scrivener Publishing, 2016 (Doc CTP n°2901).

- ◆ **Chemin, M., Rakotevelo, A., Ham-Pichavant, F., Da Silva Perez, D., Petit-Conil, M., Chollet, G., Cramail, H., Grelier, S.**, "Periodate oxidation of 4-O-methylglucuronoxylans: influence of the reaction conditions", 14th European workshop on lignocellulosics and pulp, Poster presentation, proceedings, Autrans, France, 28-30 June 2016.
- ◆ **Da Silva Perez, D., Chemin, M., Grelier, S., Cramail, H., Ham-Pichavant, F., Xu, C., Sundberg, A.**, "Characterization of xylo-oligosaccharides obtained from beech hemicelluloses", 14th European workshop on lignocellulosics and pulp, Oral presentation, proceedings, Autrans, France, 28-30 June 2016.
- ◆ **Bertaud, F., Crampon, C., Badens, E., Petit-Conil, M.**, "Volatile terpenes extraction of spruce, fir and maritime pine: supercritical CO₂ compared to classical solvent extraction and steam distillation", 14th European workshop on lignocellulosics and pulp, Poster presentation, proceedings pp393-397, Autrans, France, 28-30 June 2016 (Doc CTP n° 2923).
- ◆ **Jetsu, P., Pöhler, T., Barraud, V., Seppänen, R., Salmen, L., Lecourt, M.**, "Wood-based thermal insulation materials", 14th European workshop on lignocellulosics and pulp, Poster presentation, proceedings pp341-345, Autrans, France, 28-30 June 2016.
- ◆ **Patel, I., Tapin-Lingua, S., Garajova, S., Lomascolo, A., Lecourt, M., Gimbert, I., Raouche, S., Petit-Conil, M., Baumberger, S., Record, E., Faulds, C.B.**, "Laccase application in fibreboard wet-process", 14th European workshop on lignocellulosics and pulp, Poster presentation, proceedings pp187-191, Autrans, France, 28-30 June 2016.
- ◆ **Tamminen, T., Campargue, M., da Silva Perez, D., Dupont, C., Englund, F., Kotli, P., Larsson, S., Papadopoulou, E., Rasa, K., Raussi, T., Sajet, P., Wallin, M.** "Mobile and Flexible Industrial", Mobile Flip Seminar at SLU, Proceedings, Umeå, Sweden, 16 June 2016.
- ◆ **Tapin-Lingua, S., Meyer, V., Nougier, P., Petit-Conil, M.**, "How pulp compositions affect the processability of MFC production?", Tappi International Conference on Nanotechnology for Renewable Materials, Proceedings, Poster presentation, Grenoble, France, 13-16 June 2016 (Doc CTP n°2908).
- ◆ **Falcoz-Vigne, L., Heux, L., Nishiyama, Y., Mazeau, K., Meyer, L., Petit-Conil, M.**, "Interaction of hemicelluloses and cellulose and their influence on the cellulose microfibrillation process", TAPPI International Conference on Nanotechnology for renewable materials, Proceedings, Oral presentation, Grenoble, France, 13-16 June 2016 (Doc CTP n°2909).
- ◆ **Meyer, V., Cottin, F., Boucherand, C., Petit-Conil, M.**, "Ozone, an efficient chemical for microfibrils separation by homogenization", TAPPI International Conference on Nanotechnology for renewable materials, Proceedings, Oral presentation, Grenoble, France, 13-16 June 2016 (Doc CTP n°2910).
- ◆ **Falcoz-Vigne, L., Ogawa, Y., Gbodossou, L., Heux, L., Nishiyama, Y., Mazeau, K., Meyer, V., Petit-Conil, M.**, "Model system to study the interactions between cellulose microfibrils and hemicelluloses in pulp", Forum International PolyNat Industries, Poster Presentation, Grenoble, France, 2-3 June 2016 (doc CTP n°2907).
- ◆ **Said, A, Pinel, C., Besson, M., Da Silva Perez, D.**, "Selective C-O hydrogenolysis of sugar polyols to deoxygenated products over heterogeneous catalysts", FC2GChem (French Chinese Conference on Green Chemistry), Poster presentation, Lyon, France, 9-13 May 2016.
- ◆ **Tamminen, T., Campargue, M., Damerval, F., Da Silva Perez, D., Dupont, C., Englund, F., Kotli, P., Larsson, S., Papadopoulou, E., Rasa, K., Raussi, T., Wallin, M.**, "Mobile and flexible industrial processing of biomass, Mobile Flip", 6th International Conference on Engineering for Waste and Biomass Valorisation, Proceedings, Oral Presentation, Albi, France, 23-26 May 2016.
- ◆ **Gonzales Martinez, M., Dupont, C., Crateau, M., Thiery, S., Da Silva Perez, D., Meyer, X.M., Gourdon, C.**, "Torrefaction of various woody and agricultural biomasses and of their extracted cellulose, hemicellulose and lignin through TGA-GCMS", 6th International Conference on Engineering for Waste and Biomass Valorisation, Proceedings, Oral Presentation, Albi, France, 23-26 May 2016.
- ◆ **Wikberg, H., Campargue, M., Käsper, A., da Silva Perez, D., Larsson, S., Tamminen, T.**, "Conversion of biomass side streams into biochar using hydrothermal carbonization", Proceedings, Poster presentation, COST Meeting, Dubrovnik, Croatia, 4-6 April 2016.
- ◆ **Da Silva Perez, D., Guillot, M., Petit-Conil, M., Pellet-Rostaing, S., Goettmann, F.**, "Effects of hydrothermal carbonisation (HTC) conditions on the morphology of hydrocarbon particles obtained from biomass mono/polysaccharides",

251st American Chemical Society National Meeting, Proceedings, San Diego, California, USA, 13-17 March 2016.

- ◆ **Da Silva Perez, D., Andréotti, B., Beyerle, M., Cabra-Almada, C., Crestini, C., Djakovitch, L., Dufaud-Niccolai, V., Fongarland, P., Framery, E., Jean-Gerard, L., Kieffer, R., Nunes Coelho, A., Woldemichael, S., Tapin-Lingua, S.**, “Chemical valorisation of lignins toward fine chemicals and polymers: The ChemLiVal project“, 251st American Chemical Society National Meeting, Proceedings, San Diego, California, USA, 13-17 March 2016.
- ◆ **Da Silva Perez, D., Chemin, M., Ham-Pichavant, F., Chollet, G., Petit-Conil, M., Cramail, H., Grelier, S.**, “Hybrid materials from hemicelluloses oligomers and fatty acids“, 251st American Chemical Society National Meeting, Proceedings, San Diego, California, USA, 13-17 March 2016.
- ◆ **Chemin, M., Rakotovelo, A., Ham-Pichavant, F., Chollet, G., Da Silva Perez, D., Petit-Conil, M., Cramail, H., Grelier, S.**, “Periodate oxidation of 4-O-methylglucuronoxylans: influence of the reaction conditions“, *Carbohydrate Polymers*, vol. 142, pp45-50, January 2016.
- ◆ **Burnet, A., Savoye, L., Huber, P., Meyer, V., Petit-Conil, M.**, “Substitution of sodium hydroxide during alkaline bleaching stage of chemical pulp, TMP and DIP“, *Revue ATIP*, vol.69, n°4, pp6-11, January 2016 (Doc CTP n° 2837).

2015

- ◆ **Tapin-Lingua, S., Ruel, K., Joseleau, J-P., Messaoudi, D., Fahy, O., Jequel, M., Petit-Conil, M.**, “Assessing cypermethrin penetration in *Pinus sylvestris* wood products by immune-electron microscopy“, *Wood Science and Technology, Journal of the international academy of wood science*, vol.50, n°2, DOI 10.1007/s00226-015-0787-8, 16pp, November 2015.
- ◆ **Defoort, F., Dupont, C., Durruty, J., Guillaudeau, J., Bedel, L., Ravel, S., Campargue, M., Labalette, F., da Silva Perez, D.**, “A thermodynamic study of the alkali release behaviour during steam gasification of several biomasses“, *Energy and Fuel*, volxx, n°xx, ppxx-xx, November 2015.
- ◆ **Trontin, J.F., Avila, C., Debille, S., De la Torre, F., El-Azaz, J. Pacual, B., Canlet, F., Teyssier, C., Boizot, N., Le Mette, C., Lesage-Descauses, M-C., Da Silva Perez, D., Canas,**

R., Le Provost, G., Plomion, C., Harvengt, L., Label, P., Lelu-Walter, M.-A., Canovas, F., “Towards functional genomics of transcription factors genes associated to growth and wood formation in maritime pine“, ProCoGen final open conference, Poster presentation, Orléans, France, November 30-December 4, 2015.

- ◆ **Jetsu, P., Pöhler, T., Barraud, V., Seppänen, R., Salmen, L., Lecourt, M.**, “Wood-based thermal insulation materials“, 10th Biennial Johan Gullichsen Colloquium, Oral presentation, Helsinki, Finland, 19 November 2015.
- ◆ **Falcoz-Vigne, L., Heux, L., Nishiyama, Y., Mazeau, K., Meyer, V., Petit-Conil, M.** “Interaction of hemicelluloses and cellulose and their influence on the cellulose microfibrillation process“, CEPI-EFFPRO 4th Early Stage Researchers Workshop, European Paper Week, Oral presentation, Brussels, Belgium, 17-19 November 2015 (doc CTP n°2867).
- ◆ **Ruel, K., Tapin-Lingua, S., Messaoudi, D., Fahy, O., Jequel, M., Petit-Conil, M., Joseleau, J-P.**, “Probing biocide penetration and retention in wood products by immunolabeling techniques“, 10th International Conference “Wood science and engineering in the third millennium” ICWSE 2015, Oral presentation, Brasov, Romania, 5-7 November 2015.
- ◆ **Joseleau, J-P., Ruel, K., Messaoudi, D., Fahy, O., Tapin-Lingua, S., Jequel, M., Petit-Conil, M.**, “Immuno-microscopy, a novel approach for assessing biocide fate in wood products“, 10th International Conference “Wood science and engineering in the third millennium” ICWSE 2015, Poster presentation, Brasov, Romania, 5-7 November 2015.
- ◆ **Bertaud, F., Guillemain, A., Tapin-Lingua, S., Boiseau-Molina, S., Petit-Conil, M.**, “Softwood Kraft lignin isolation from black liquor: from laboratory to pilot-scale production“, *ATIP Journal*, vol.69, n°3, pp6-9, October-November 2015 (doc CTP n°2872).
- ◆ **Huber, P., Burnet, A., Petit-Conil, M.** “Preduction of scaling risk in chemical pulp bleach plants“, *ATIP Journal*, vol.69, n°3, pp10-13, October-November 2015 (doc CTP n°2871).
- ◆ **Petit-Conil, M., Kleinschmit von Lengfelt, A.** “Les matériaux issus du bois à l’échelle micro-et nanoscopique: applications actuelles, recherche et innovations“, *Savoir & Faire “Le Bois”*, Book chapter, pp252-260, Actes Sud / Fondation d’Entreprise Hermès, ISBN 978-2-330-05329-1, October 2015

- ◆ **Tamminen, T., Campargue, M., Damerval, F., Da Silva Perez, D., Dupont, C., Englund, F., Kotli, P., Larsson, S.H., Papadopoulou, E., Rasa, K., Raussi, T. & Wallin, M.**, “Mobile and flexible processing of biomass – EU project Mobile Flip“, 6th Nordic Wood Biorefinery Conference, Proceedings, Helsinki, Finland, 20–22 October 2015.
- ◆ **Da Silva Perez, D., Guillemain, A., Petit-Conil, M.**, “Following the kinetics of converting wood into kraft pulps by NIR spectroscopy“, 17th International Conference on Near InfraRed Spectroscopy, Oral and Poster presentations, Foz do Iguaçu, Brazil, 18-23 October 2015 (doc CTP n°).
- ◆ **Da Silva Perez, D., Guillemain, A., Petit-Conil, M.**, “Assessment of agricultural and forestry biomasses quality of bioenergy and biofuels applications by NIRS“, 17th International Conference on Near InfraRed Spectroscopy, Oral and Poster presentations, Foz do Iguaçu, Brazil, 18-23 October 2015 (doc CTP n° xxxx).
- ◆ **Lecourt, M.**, “Les panneaux à base de bois, leur performance et leur recyclabilité“, Journée d’échanges : sensibilité à l’eau & adhésivité des enrobés - Multi-recyclage des enrobés et enrobés tiédes – Projet MURE, Présentation orale, Lyon, France, 12 octobre 2015.
- ◆ **Falcoz-Vigne, L., Heux, L., Nishiyama, Y., Mazeau, K., Meyer, V.**, “Interaction of hemicelluloses and cellulose and their influence on the cellulose microfibrillation process“, International Symposium on Wood, Fibres and Pulping Chemistry, Oral presentation, Wien, Austria, 9-11 September 2015 (doc CTP n° 2859).
- ◆ **Marcon, J., Mortha, G., Marlin, N., Molton, F., Duboc, C., Burnet, A., Petit-Conil, M.**, “Investigations on the decomposition of chlorine dioxide at alkaline pH“, International Symposium on Wood, Fibres and Pulping Chemistry, Oral presentation, Wien, Austria, 9-11 September 2015 (doc CTP n° 2855).
- ◆ **Da Silva Perez, D., Guillot, M., Guillemain, A., Petit-Conil, M., Pellet Rostang, S., Goettmann, F.**, “On the significance of Klason analysis on biomasses treated by hydrothermal carbonization (HTC)“, International Symposium on Wood, Fibres and Pulping Chemistry, Poster presentation, Wien, Austria, 9-11 September 2015 (doc CTP n° 2854).
- ◆ **Da Silva Perez, D., Nougier, P., Petit-Conil, M., Burnet, A., Liitiä, T., van Heiningen, A.**, “Effect of recycling uncooked chips on kraft pulp yield and properties“, International Symposium on Wood, Fibres and Pulping Chemistry, Poster presentation, Wien, Austria, 9-11 September 2015 (doc CTP n° 2853).
- ◆ **Da Silva Perez, D., Chemin, M., Ham-Pichavant, F., Chollet, G., Cramail, H., Grelier, S.**, “New biosourced amphiphilic conjugates from xylans oligomers and fatty acids derivatives by click chemistry“, International Symposium on Wood, Fibres and Pulping Chemistry, Oral presentation, Wien, Austria, 9-11 September 2015.
- ◆ **Arasto, A., Campargue, M., Damerval, F., da Silva Perez, D., Dupont, C., Englund, F., Kotli, P., Larsson, S., Papadopoulou, E., Rasa, K., Raussi, T., Tamminen, T., Wallin, M.**, “Developing and demonstrating technologies for simple and robust processes that are applicable to small scale and mobile applications“, Bioenergy Conference, Poster presentation, Jyväskylä, Finland, 2–4 September 2015.
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