

Publication list

2018

- ◆ **Lecourt, M., da Silva Perez, D.**, “Comparison of the refining behaviour of different commercial eucalyptus chemical pulps”, Eucalyptus 2018 Conference Managing Eucalyptus plantations under global changes, Oral presentation, Montpellier, France, 17-21 septembre 2018.
- ◆ **Mangiante, G., Alcouffe, P., Gaborieau, M., Zeno, E., Petit-Conil, M., Bernard, J., Charlot, A., Fleury, E.**, “Biohybrid cellulose fibers: toward paper materials with wet strength properties”, Carbohydrates Polymers, vol.193, pp353-361, August 2018 (Doc CTP 2992).
- ◆ **Tapin-Lingua, S. da Silva Perez, D., Montibus, M., Petit-Conil, M.**, “Improvement of Wood Durability by industrial lignin impregnation”, ELB2018 Conference – Exploring Lignocellulosic Biomass, Challenges and opportunity for bioeconomy, Proceedings, Poster presentation, Reims, France, 26-29 June 2018.
- ◆ **Rol, F., Banville, G., Meyer, V., Petit-Conil, M., Bras, J.**, “Combination of twin-screw extruder and homogenizer to produce high-quality nanofibrillated cellulose with low energy consumption”, Journal of Materials Science, *to be published*, 2018 (Doc CTP).
- ◆ **Serrano, L., Esakkimuthu, E.S., Marlin, N., Brochier-Salon, M.C., Mortha, G., Bertaud, F.**, “Fast, easy and economical quantification of lignin phenolic hydroxyl groups. Comparison with classical techniques”, Energy & Fuels, DOI publication, April 2018 (doc CTP 2993).
- ◆ **Bertaud, F.**, “Volatile Terpene Emissions from Wood Processing in Pulp Mills”, Terpenes: Biosynthesis, Applications and Research, Chapter 3, 28pp, Nova Science Publishers Inc. Editors, 2018 (Doc CTP 2991).
- ◆ **Lecourt, M.**, “Préservation du bois : les solutions vertes de demain”, Conférence Futuropalette – Paris 2018, Oral presentation, Paris, France, 05 April 2018.
- ◆ **Regazzi, A., Viguié, J., Harthong, B., Dumont, P.J.J., Imbault, D., Peyroux, R., Rueff, M., Guérin, D., Leroy, L., Krouit, M., Petit-Conil, M.**, “Ultrasonic welding of papers”, *to be published* (Doc CTP).
- ◆ **Lecourt, M., Salmen, L., Jetsu, P., Pohler, T.**, “On the structure of novel wood-fibre based foam formed thermal insulation materials”, Holzforschung, *to be published*, 2018.
- ◆ **Fleur, R., Spieser, H., Meyer, V., Petit-Conil, M., Bras, J.**, “Influence of deep eutectic solvent ratio in the production of microfibrillated cellulose”, 254th ACS National Meeting, Division of Cellulose and Renewable Materials - Nanocellulose processing & analysis – Fundamentals, Poster presentation, New Orleans, Louisiana, USA, 18-22 March 2018 (Doc CTP 2987).
- ◆ **Cacciottolo, C., Lenon, G.**, “Innovative industrial solutions for biomaterials and processes”, Canada & USA Symop – Innovative tailor-made solutions technologies for the pulp and paper industry: the French Touch, Dorval, Canada, March 2018 (Doc CTP 2988).
- ◆ **Huber, P., Carré, B., Kumar, S., Lecourt, M.**, “Optimum strategies for pulp fractions refining”, Nordic Pulp and Paper Research Journal, vol.33, n°1, pp105-111, March 2018 (Doc CTP 2981).
- ◆ **Burnet, A., Marcon, J., Mortha, G., Marlin, N., Huber, P., Petit-Conil, M.**, “Innovative approaches for chemical pulp bleaching with lower environmental impact”, ATIP Journal, vol.71, n°4, pp6-10, 2018 (Doc CTP 2960).

2017

- ◆ **Lecourt, M., Tapin-Lingua, S., Martinez, P., Marlin, N., Mortha, G., Wong, Y.S., Petit-Conil, M.**, “Investigation of some solutions modifying wood and water interactions”, WoodChem conference, Poster presentation, Nancy, France, 6-7 Decembre 2017 (Doc CTP 2982).

- ◆ **Marcon, J., Burnet, A.**, “Innovative approaches for chemical pulp bleaching with lower environmental impact”, European Paper Week, Sense the future, Blue Sky Young Researchers and Innovation Award, Oral presentation, Brussels, Belgium, 28 Novembre 2017 (Doc CTP 2976).
- ◆ **Morin, V.**, “Breakthrough technologies to enhance pulp and paper machine efficiency”, PAPEREX- 13th international exhibition & conference on pulp paper & allied industries, Oral Presentation, New-Dheli, India, 1-3 Novembre 2017 (Doc CTP 2971).
- ◆ **Labat, G., Billon, L., Larraya, C.**, “Production et économies d’énergie renouvelables – Travaux de recherche menés conjointement entre l’institut technologique FCBA et l’IPREM Equipe EPCP : mise au point de formulations biosourcées à efficacité ignifugeante”, Les Rencontres Laboratoires entreprises Transition énergétique et chimie, construisons les innovations de demain, Oral presentation, Mourenx, France, 24 october 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 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, 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 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 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 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 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 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 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 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 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 2941).
- ◆ **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 2940).
- ◆ **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 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 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 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 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 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 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 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 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 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 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 2915).
- ◆ **Catalan, J., Rydman, E., Aimonen, K., Hannukainen, K.-S., Suhonen, S., Vanhala, E., Moreno, C., Meyer, V., da Silva Perez, D., Sneek, 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 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 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 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 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 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 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 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., Rakotoveloa, 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 2837).
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- ◆ **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*, 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-EFPRO 4th Early Stage Researchers Workshop, European Paper Week*, Oral presentation, Brussels, Belgium, 17-19 November 2015 (Doc CTP 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.
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