

Publication list

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, Poster Presentation, La Rochelle, France, 16-19 May 2017 (doc CTP n° xxxx)
- ◆ **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.
- ◆ **Da Silva Perez, D.**, "Nanoscale self-assembling properties of hybrid materials obtained from hemicelluloses oligomers and fatty acids in polar and non-polar media", 253rd ACS National Meeting, Oral Presentation, San Francisco, California, USA, 2-6 April 2017.
- ◆ **Da Silva Perez, D.**, "Hemicelluloses cationisation: comparison of liquid and solid phase preparation", 253rd ACS National Meeting, Oral Presentation, San Francisco, California, USA, 2-6 April 2017.
- ◆ **Da Silva Perez, D.**, "On the importance of inorganics composition on biomass gasification", 253rd ACS National Meeting, Oral Presentation, San Francisco, California, USA, 2-6 April 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).

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.
- ◆ **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.
- ◆ **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).
- ◆ **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-EFPRO 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

- ◆ **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°xxxx).
- ◆ **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 tièdes – 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.
- ◆ **Da Silva Perez, van Heiningen, A.**, "Prediction of alkaline pulping yield: equation derivation and validation", Cellulose, vol. 22, n°6, pp3967-3979, DOI 10.1007/s10570-015-0735-7, August 2015.
- ◆ **Ketels, O., Petit-Conil, M.**, "InTechFibres à plein régime", Revue du Papier Carton, n°125, pp48, May/June/July 2015 (Doc CTP n°2xxx).
- ◆ **Gallur, M., Latorre, M., Krouit, M., Meyer, V., Petit-Conil, M., Ventura, M., Aucejo, S.**, "Cereal waste valorization through development of functional key fibres to innovate in fibre packaging materials", Tappi International Conference on Nanotechnology for Renewable Materials, Atlanta, GA, USA, 22-25 June 2015 (Doc CTP n°2852).
- ◆ **da Silva Perez, D., Guillemain, A., Petit-Conil, M., Lapierre, C., Mambrin Filho, O.**, "Variability of β -O-4 lignin units content in wood and pulps of *Eucalyptus urograndis* clones", 7th ICEP International Colloquium on eucalyptus pulp, Oral presentation, Vitoria, ES, Brazil, 26-29 May 2015 (Doc CTP n°2848).
- ◆ **Burnet, A., Brochier, B., Petit-Conil, M.**, "Ozone in sequence and at different places as an interesting bleaching chemical for eucalyptus kraft pulp", 7th ICEP International Colloquium on eucalyptus pulp, Oral presentation, Vitoria, ES, Brazil, 26-29 May 2015 (Doc CTP n°2847).
- ◆ **da Silva Perez, D., Huber, P., Guillemain, A., Janodet, A., Liebl, O.A., Schelcher, M., Petit-Conil, M.**, "Optimisation of eucalyptus hemicelluloses extraction by experimental design", 7th ICEP International Colloquium on eucalyptus pulp, Poster presentation, Vitoria, ES, Brazil, 26-29 May 2015 (Doc CTP n°2849).

- ◆ **Tapin-Lingua, S., Ruel, K., Joseleau, J-P., Messaoudi, D., Fahy, O., Jequel, M., Petit-Conil, M.**, “Development of a new characterization method to analyse Cypermethrin penetration in wood material by immunolabelling”, 46th Annual Conference, International Research Group on Wood Protection, Oral presentation, Vinar del Mar, Chile, 10-14 May 2015.
- ◆ **Tapin-Lingua, S., Ruel, K., Joseleau, J-P., Messaoudi, D., Fahy, O., Jequel, M., Petit-Conil, M.**, “Development of a new characterization method to analyse Cypermethrin penetration in wood material by immunolabelling”, 46th Annual Conference, International Research Group on Wood Protection, Poster presentation, Vinar del Mar, Chile, 10-14 May 2015.
- ◆ **Cabral Amalda, C., Tapin-Lingua, S., da Silva Perez, Fongarland, P., Djakovich, L.**, “Lignin upgrading to aromatics by catalytic oxidation in aqueous media”, 2015 International Symposium on Green Chemistry, Poster presentation, La Rochelle, France, 3-7 May 2015.
- ◆ **da Silva Perez, D., Chemin, M., Cramail, H., Grelier, S.**, “Optimisation of well-controlled oligosaccharides production from beech xylans by design of experiments”, 2015 International Symposium on Green Chemistry, Poster presentation, La Rochelle, France, 3-7 May 2015.
- ◆ **da Silva Perez, D., Guillot, M., Commandré, J-M., Pellet-Rostaing, S., Goettmann, F.**, “Hydrothermal carbonization: an alternative to couple biorefinery approach and biomass gasification”, 2015 International Symposium on Green Chemistry, Poster presentation, La Rochelle, France, 3-7 May 2015.
- ◆ **Tapin-Lingua, S., Ruel, K., Joseleau, J-P., Messaoudi, D., Fahy, O., Petit-Conil, M.**, “Development of a new characterization method to analyse pyrethroid compounds in wood material by immunolabelling”, American Wood Protection Association 111th Annual Meeting “Preserving the past, protecting the future”, Oral Presentation, Ashville, USA, 12-14 April 2015.
- ◆ **Baguenard, C., Tastet, D., Labat, G., Charrier, B., Save, M., Billon, L.**, “Greffage covalent de systèmes polymères sur fibres lignocellulosiques par polymérisation radicalaire contrôlée par les nitroxydes”, Groupement de recherche (GDR) Synthons et Matériaux Biosourcés (Symbiose), Nantes, France, 8-10 April 2015.
- ◆ **Petit-Conil, M., Kleinschmitt von Lengelfeld, A.**, “Revue des utilisations potentielles des matériaux lignocellulosiques et des matériaux issus du bois. Nouveaux potentiels d'utilisation des matériaux issus du bois de l'échelle macroscopique à l'échelle micro/nanoscopique”, Académie de Savoie Faire de la Fondation Hermès, Atelier Xylomanie, Matières et Techniques II, R&D et Innovation, Paris, France, 5 April 2015.
- ◆ **Da Silva Perez, D., Rousseau-Popa, V., Ham-Pichavant, F., Grelier, S., Guillemain, A., Tapin-Lingua, S., Crestini, C.**, “Features of different lignin sources for adhesives and aromatic chemicals production”, 249th ACS National Meeting, Oral presentation, Denver, Colorado, USA, 22-26 March 2015.
- ◆ **Da Silva Perez, D.**, “Biomass raw materials-related issues on bioeconomy strategies, research and development, and industrial implementation”, 249th ACS National Meeting, Oral presentation, Denver, Colorado, USA, 22-26 March 2015.
- ◆ **Da Silva Perez, D., Habibi, Y., Guillemain, A., Puteaux, J.L., Heux, L.**, “Effect of cellulose polymorphism on the TEMPO-based oxidation and further grafting by amidation”, 249th ACS National Meeting, Oral presentation, Denver, Colorado, USA, 22-26 March 2015.
- ◆ **Da Silva Perez, D., Guillemain, A., Tapin-Lingua, S., Meyer, V., Fabry, B., Huber, P.** “Functionalising micro/nanofibrillated cellulose with TEMPO-based approaches: From laboratory to pilot scale”, 249th ACS National Meeting, Oral presentation, Denver, Colorado, USA, 22-26 March 2015 (Doc CTP n°2846).
- ◆ **Chemin, M., Wirotius, A.-L., Ham-Pichavant, F., Chollet, G., Da Silva Perez, D., Petit-Conil, M., Cramail, H., Grelier, S.**, “Well-defined oligosaccharides by mild acidic hydrolysis of hemicelluloses”, European Polymer Journal, vol. 66, pp190-197, May 2015.
- ◆ **Da Silva Perez, D., Dupont, C., Guillemain, A., Jacob, S., Labalette, F., Briand, S., Marsac, S., Guerrini, O., Broust, F., Commandre, J.M.**, “Characterisation of the most representative agricultural and forestry biomasses in France for gasification”, Waste and Biomass Valorisation, DOI 10.1007/s12649-015-9374-3, April 2015.
- ◆ **Chemin, M., Rakotovelo, A., Ham-Pichavant, F., Chollet, G., Da Silva Perez, D., Petit-Conil, M., Cramail, H., Grelier, S.**, “Synthesis and characterization of functionalized 4-O-methylglucuronoxylan derivatives”,

- ◆ **Gomes, F.J.B., Colodette, Burnet, A., L.A. Ribas Batalha, F. A. Santos, I.F. Demuner,** “Thorough characterization of Brazilian new generation of eucalyptus clones and grass for pulp production“, International Journal of Forestry Research, DOI 10.1155/2015/814071, pp1-10, January 2015 (Doc CTP n°2845).

2014

- ◆ **Chemin, M.,** “Valorisation des xylanes du hêtre. Vers la synthèse de copolymères bio-sourcés“, PhD thesis from Université de Bordeaux, Spéciality Polymers, 19 décembre 2014.
- ◆ **Guillot, M.,** “Etude du traitement de la biomasse par voie hydrothermale pour la récupération de molécules et de minéraux à haute valeur ajoutée“, Mémoire de thèse de doctorat de l'Université de Montpellier II, Spécialité Chimie des matériaux, 18 décembre 2014.
- ◆ **Lecourt, M,** “WoTIM: Wood-based Thermal Insulation Materials“, keynote speech, Conférence Matériaux 2014, Montpellier, France, 25-27 november 2014.
- ◆ **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“, International Pulp Bleaching Conference, Poster Presentation, Grenoble, France, 29-31 October 2014 (Doc CTP n° 2825).
- ◆ **Da Silva Perez, D., Guillemain, A., Petit-Conil, M.,** “Improvement of physical properties of kraft pulps by ozone treatment in the last stage“, International Pulp Bleaching Conference, Poster Presentation, Grenoble, France, 29-31 October 2014 (Doc CTP n° 2824).
- ◆ **Da Silva Perez, D., Mortha, G., Freitas, C., Guillemain, A., Margarido, M., Petit-Conil, M.,** “Kinetics of hexenuronic acids formation and degradation during kraft cooking of hardwoods and softwoods“, International Pulp Bleaching Conference, Poster Presentation, Grenoble, France, 29-31 October 2014 (Doc CTP n° 2826).
- ◆ **Da Silva Perez, D., Petit-Conil, M.,** “The French RTDI partnership for industrial biorefineries: InTechFibres“, Pre-Worshop of 7th European Forum for Industrial Biotechnology and the Biobased Economy EFIB, Oral

- ◆ **Da Silva Perez, D., Bigand, V., Belmokaddem, F., Huber, P., Pinel, C., Daniele, S., Petit-Conil, M.,** “Hemicelluloses from wood: extractions and applications“, Pre-Worshop of 7th European Forum for Industrial Biotechnology and the Biobased Economy EFIB, Oral presentation, Reims, France, 30 September 2014 (Doc CTP n° 2819).
- ◆ **Da Silva Perez, Guillemain, A., Jacob, S., Labalette, F., Briand, S., Marsac, S., Broust, F., Commandre, J.M., Dupont, C.,** “Characterisation of the most representative agricultural and forestry biomasses for sng and btl thermochemical processes“, 5th International Conference on Engineering for Waste and Biomass Valorisation, Oral presentation, Rio de Janeiro, Brazil, 25-28 August 2014.
- ◆ **Da Silva Perez, Jacob, S., Dupont, C., Broust, F., Commandre, J.M., Sacco, D.,** “Suitability of short rotation eucalyptus for thermochemical conversion“, 5th International Conference on Engineering for Waste and Biomass Valorisation, Oral presentation, Rio de Janeiro, Brazil, 25-28 August 2014.
- ◆ **Da Silva Perez, D., Guerrini, O., Gaillard, M., Peureux, G., Kara, Y., Marchand, B., Perrin, M., Aubigny, A., Guinard, L., Commandre, J.-M., Valin, S., Mauviel, G., Hemati, M., Ducray, P., Khodakov, A., Escudero-Sanz, F. J., Aichernig, C.,** “Gaya demonstration project - towards industrialization of an innovative and integrated 2nd generation biosng pathway through biomass gasification“, 5th International Conference on Engineering for Waste and Biomass Valorisation, Poster presentation, Rio de Janeiro, Brazil, 25-28 August 2014.
- ◆ **Guillot, M., Pellet-Rostaing, S., Goettmann, F., Da Silva Perez,** “A wholistic approach of the hydrothermal arbonization of lignocellulosic biomass: Example of beech wood“, International Conference on Green Chemistry and Sustainable Engineering, Oral presentation, Barcelona, Spain, 29-31 July 2014.
- ◆ **Chemin, M., Ham-Pichavant, F., Alfos, C., Da Silva Perez, D., Petit-Conil, M., Cramail, H., Grelier, S.** “Synthesis of functionalized xylan derivatives for macromolecular engineering“, 13th EWLP conference, Oral presentation, Seville, Spain, 24-27 June 2014.
- ◆ **Gomes, F.J.B., Colodette, J.L., Milanez, A., Andreotti, J., Burnet, A., Petit-Conil, M., del Rio, J.C., Gutierrez, A., Perez-Boada, M., Martinez, A.T., Santos, F.A.** “Evaluation of

- alkaline deconstruction of processes for Brazilian new generation of eucalypt clones“, 13th EWLP conference, Poster presentation, Seville, Spain, 24-27 June 2014 (Doc CTP n° 2817).
- ◆ **Da Silva Perez, D., van Heiningen, A., Liitiä, T., Limonen, O., Kovasin, K., Bassa, A., Petit-Conil, M.**, “Prediction of real time kraft pulp yield: from science to pulp mill trials“, 13th EWLP conference, Oral presentation, Seville, Spain, 24-27 June 2014 (Doc CTP n° 2796).
 - ◆ **Huber, P., Burnet, A., Petit-Conil, M.** “Prediction of scaling risk in chemical pulp bleached plants“, 13th EWLP conference, Poster presentation, Seville, Spain, 24-27 June 2014 (Doc CTP n° 2795).
 - ◆ **Bertaud, F., Guillemain, A., Tapin-Lingua, S., Molina-Boisseau, S., Petit-Conil, M.** “Softwood Kraft lignin isolation form black liquor: from laboratory to pilot-scale production“, 13th EWLP conference, Poster presentation, Seville, Spain, 24-27 June 2014 (Doc CTP n° 2800).
 - ◆ **Da Silva Perez, D.**, “Comment tirer profit de la variabilité des ressources lignocellulosiques pour la chimie verte“, IRCELyon Conference, Oral presentation, Lyon, France, 19 June 2014.
 - ◆ **Labat, G.**, “Actions de R&D de FCBA sur les matériaux biosourcés pour la construction“, Congrès Construction&Bioressources, Présentation orale, Dijon, France, 17 June 2014
 - ◆ **Carré, B., Kumar, S., Martinez, P., Vaulot, F., Leturq, A., Huber, P., Fabry, B., Julien Saint Amand, F.** “Fractionation and stratification of mechanical pulp: a solution to reduce grammage?“, Tappi International Mechanical Pulping Conference, Poster presentation, Helsinki, Finland, 05-07 June 2014 (Doc CTP n°2814).
 - ◆ **Kumar, S., Julien Saint Amand, F., Passas, R., Fabry, B., Leturq, A., Carré, B., Vaulot, F.**, “Micro-hole pressure screening and hydrocyclone fractionation applied to mechanical pulps for fractions generation“, Tappi International Mechanical Pulping Conference, Poster presentation, Helsinki, Finland, 05-07 June 2014 (Doc CTP n°2805).
 - ◆ **Prasse, S., Meyer, V., Cochaux, A.**, “Evaluate the environmental footprint of papermaking processes“, Tappi International Mechanical Pulping Conference, Poster presentation, Helsinki, Finland, 05-07 June 2014 (Doc CTP n°2815).
 - ◆ **Meyer, V., Lecourt, M., Petit-Conil, M.**, “Optimisation of high-yield pulp refining to reduce production costs“, Tappi International Mechanical Pulping Conference, Poster presentation, Helsinki, Finland, 05-07 June 2014 (Doc CTP n°2797).
 - ◆ **Lecourt, M.**, “Exemples de développements appliqués aux matériaux lignocellulosiques“, Présentation orale, Pôle de compétitivité Axelera - Workshop: Utilisation de lignocellulose pour l’élaboration de matériaux innovants, Grenoble, France, 21 mai 2014.
 - ◆ **Labat, G.**, “Matériaux lignocellulosiques : Innovation, Développements“, Présentation orale, SINAL Exhibition, Les rencontres professionnelles du biosourcé Agromatériaux-Chimie du Végétal-Bioénergies Châlons en Champagne, France, 20-21 mai 2014.
 - ◆ **Meyer, V., Klem, A., Petit-Conil, M.**, “Optimisation of material recycling and energy recovery from waste and demolition wood – Application to the production of TMP pulps“, final workshop WoodWisdomNet Demowood Project, Munchen, Germany, 06 May 2014 (Doc CTP n°2813).
 - ◆ **da Silva Perez, D., Guillemain, A.**, “How Near Infrared Spectroscopy can help estimating properties from forest to finished products“. Workshop Application of NIR spectroscopy for wood science and technology research, San Michele all’ Adige, Italy, 15 April 2014.
 - ◆ **Huber, P., Burnet, A., Petit-Conil, M.** “Scale deposits in kraft pulp bleach plants with reduced water consumption: a review“, Journal of Environmental Management, vol.141C, pp36-50, April 2014 (Doc CTP n° 2803).
 - ◆ **Lahtinen, P., Torvinen, K., Kangas, H., Liukkonen, S., Sneck, A., Soledad Peresin, M., Pere, J., Hänninen, T. Tammelin, T. Meyer, V.** “Effect of Fibrillated Cellulosic Additives on Paper Strength Properties“, Tappi PaperCon2014, Papermaking programme, Oral presentation, Nashville, Tennessee, USA, 27-30 April 2014 (Doc CTP n°2794).
 - ◆ **Lecourt, M.**: “Matériels et technologies existantes et à venir de mesure en ligne des caractéristiques de la biomasse: humidité, granulométrie...“, Oral presentation, Visite technique et de démonstration “Caractériser en ligne et en temps réel la biomasse forestière pour en optimiser les performances“, Compagnie de chauffage de Grenoble – Centrale de Villeneuve, Grenoble, France, 15 avril 2014.

- ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, "The potential of partial substitution of the wood fibre in hardboards by reject fibres from the paper recycling industry", *European Journal of Wood and Wood Products*, vol.72, n° 2, pp177-184.
- ◆ **Bertaud, F., Aubigny, A., Petit-Conil, M.** "Integrated conversion of lignocellulosic biomass as energy and chemical resources in a Biorefinery concept: high value polyphenolic bio-active molecules extraction prior to gasification/methanation", 5th Nordic Wood Biorefinery conference, Poster presentation, Stockholm, Sweden, 25-27 March 2014 (Doc CTP n° 2798).
- ◆ **Benneventi, D., Chaussy, D., Curtil, D., Zolin, L., Bruno, E., Bongiovani, R., Destro, M., Gerbaldi, C., Penazzi, M., Tapin-Lingua, S.**, "Pilot-scale elaboration of graphite / microfibrillated cellulose anodes for Li-ion batteries by spray deposition on a forming paper sheet", *Chemical Engineering Journal*, vol. 243, pp372-379, 2014.
- ◆ **Jacob, S.** : "Short rotation forestry feedstock for gasification", Mémoire de thèse de doctorat de l'Université de Perpignan Via Domitia, Spécialité Sciences de l'ingénieur, 22 novembre 2013.
- ◆ **Da Silva Perez, D.** "Extraction, purification and characterization of hemicelluloses, in particular C5", Groupe de travail et de réflexion sur la production et la valorisation des sucres en C5 – Pôle IAR, Paris, 14 novembre 2013.
- ◆ **Berthelot, A., Maine, P., Bouvet, A., Nougier, P., da Silva Perez, D. Reuling, D.**, "Caractéristiques du bois et des fibres de peuplier", *Forêt Entreprise*, n°213, pp 20-24, November 2013.
- ◆ **Avola, S., Guillot, M., da Silva Perez, D., Pellet-Rostaing, S., Kunz, W., Goettmann, F.** "Organic chemistry under hydrothermal conditions", *Pure and Applied Chemistry*, vol.85, n°1, pp89-103, 2013.

2013

- ◆ **Borges-Gomez, F.J., Colodette, J.L., Burnet, A., Ribas Batalha, L.A., Barbosa, B.M.** "Potential of elephant grass for pulp production", *Bioresources.com*, vol. 8, n°3, pp4359-4379 2013 (Doc CTP n°2839).
- ◆ **Zikeli, F., Colodette, J.L., Borges-Gomez, F.J., Del Rio, J.C., Tamminen, T., Martinez, A.T., Perez Boada, M., Gutierrez, A., Liitia, T., Fauds, C., Lund, H., Klausen, K., Burnet, A. Petit-Conil, M., Milanez, A., Andreotti, J.** "Detailed characterization of black liquor (lignin) deriving from kraft and soda-anthraquinone pulping ", 6th ICEP International Colloquium on Eucalyptus Pulp, Oral presentation (n°23), Colonia de Sacramento, Uruguay, 24-27 November 2013 (Doc CTP n° 2790).
- ◆ **Da Silva Perez, D. Guillemain, A., Janodet, A., Soranzo, A., Schelcher, M., Huber, P., Petit-Conil**, "Effect of the extraction conditions on the chemical composition of eucalyptus hemicelluloses", 6th ICEP International Colloquium on Eucalyptus Pulp, Oral presentation (n°21), Colonia de Sacramento, Uruguay, 24-27 November 2013 (Doc CTP n° 2773).
- ◆ **Burnet, A., Borges-Gomez, F.J., Colodette, J.L., Petit-Conil, M.** "Production of bleached sulfur-free pulp with the best hybrid eucalyptus clone ", 6th ICEP International Colloquium on Eucalyptus Pulp, Poster presentation, Colonia de Sacramento, Uruguay, 24-27 November 2013 (Doc CTP n° 2772).
- ◆ **Chauve, M., Barré, L., Tapin-Lingua, S, da Silva Perez, D., Decottignies, D., Lopes, N., Perez, S.**: "Evolution and impact of cellulose architecture during enzymatic hydrolysis by fungal cellulases", *Advances in Bioscience and Biotechnology*, vol.4, pp1095-1109, 2013.
- ◆ **Zeno, E. Petit-Conil, M. Goethals, C.**, "Water based modification of micro/nano-fibrillated cellulose and subsequent functional tailoring by click chemistry", EPNOE 2013 International Polysaccharide conference, Poster presentation, Nice, France, 21-24 October 2013 (Doc CTP n° 2759).
- ◆ **Tikhonova, E., Irle, M., Lecourt, M.**, "An opportunity for hardboard recycling", *International Panel Products Symposium*, Oral presentation, Llandudno, Wales, UK, 9-10 October 2013.
- ◆ **Chemin, M., Ham-Pichavant, F., da Silva Perez, D., Petit-Conil, M., Labat, G., Gadenne, B., Alfos, C., Cramail, H., Grelier, S.** "Preparation of oligosaccharides from beech wood xylans for the design of new bio-based co-polymers", *WoodChem 2013*, Oral presentation, Nancy, France, 25-27 September 2013.
- ◆ **Nougier, P., Bouvet, A., Petit-Conil, M.**, "Ligno-cellulosic fibres to produce thermosetting composite material", 6th International Wood Fibre Polymer Composites Symposium, Poster presentation, Biarritz, France, 23-24 Septembre 2013

- ◆ **Reynaud, C., Tapin-Lingua, S., Eligir, G., Petit-Conil, M., Baumberger, S.**, “Hydrophobic properties conferred to kraft pulp by a laccase catalysed treatment with lauryl gallate”, *Journal of biotechnology*, vol. 167, pp302-308, 2013 (Doc CTP n°2760).
- ◆ **Reynaud, C.**: “Amélioration des propriétés papetières par traitement enzymatique de fibres lignocellulosiques”, Mémoire de thèse de doctorat de l’Institut des Sciences et Industries du Vivant et de l’Environnement (AgroParisTech) de ParisTech, Spécialité Sciences du vivant, 05 septembre 2013.
- ◆ **Tomé, L.C., Fernandes, S.C.M., da Silva Perez, D., Sadocco, P., Silvestre, A.J.D., Pascoal Neto, C., Marrucho, I.M., Freire, C.S.R.**, “The role of cellulose nanofibers, starch and chitosan on multipolysaccharide based films”, *Cellulose*, vol.20, n°4, pp1807-1818, August 2013.
- ◆ **Pras, O., Beneventi, D., Chaussy, D., Piette, P., Tapin-Lingua, S.**, “Use of microfibrillated cellulose and dendritic copper for the elaboration of conductive films from water- and ethanol-based dispersions”, *Journal of Materials Sciences*, 2013 (Doc CTP n°27xx).
- ◆ **Reynaud, C., Baumberger, S., Tapin-Lingua, S.**, “Amélioration des propriétés d’hydrophobicité du papier par traitement enzymatique de fibres lignocellulosiques”, Journée Thèses des Bois, Pôle Xylofutur, Oral presentation, Cestas-Pierroton, France, 03 July 2013.
- ◆ **Lavoine, N., Bigand, V., Desloges, I., Tapin-Lingua, S., Bras, J.**, “Use of different quality of MFC for producing controlled release films”, Tappi International conference on nanotechnology on renewable materials, Poster presentation, Stockholm, Sweden, 24-27 June 2013.
- ◆ **Tapin-Lingua, S., Meyer, V., Petit-Conil, M.**, “Correlations between pulp composition and efficiency of M/NFC production”, Tappi International conference on nanotechnology on renewable materials, Oral presentation, Stockholm, Sweden, 24-27 June 2013 (Doc CTP n° 2774).
- ◆ **Reynaud, C., Tapin-Lingua, S., Eligir, G., Petit-Conil, M., Baumberger, S.**, “Enhancement of hydrophobicity of kraft pulp via a laccase-lauryl gallate treatment”, *Journal of Sciences & Technology for Forest Products and Processes*, vol. 3, n°6, pp33-38, June 2013 (Doc CTP n°2701).
- ◆ **Reynaud, C., Baumberger, S., Eligir, G., Petit-Conil, M., Tapin-Lingua, S.**, “Enhancement of hydrophobicity of kraft pulp via a laccase-lauryl gallate treatment”, 17th International Symposium on Wood, Fibre and Pulping Chemistry, Oral presentation, Vancouver, BC, Canada, 12-14 June 2013 (Doc CTP n°2735).
- ◆ **Tapin-Lingua, S., Meyer, V., Petit-Conil, M.**, “Correlation between pulp composition and efficiency of M/NFC production”, 17th International Symposium on Wood, Fibre and Pulping Chemistry, Poster presentation, Vancouver, BC, Canada, 12-14 June 2013 (Doc CTP n° 2724).
- ◆ **Burnet, A., da Silva Perez, D., Petit-Conil, M.**, “Impact of the hemicellulose extraction from spruce on the kraft pulp quality”, 17th International Symposium on Wood, Fibre and Pulping Chemistry, Poster presentation, Vancouver, BC, Canada, 12-14 June 2013 (Doc CTP n° 2725).
- ◆ **da Silva Perez, D., Guillemain, A., Meyer, V., Boucherand, C. Lapiere, C.**, “Prediction of β -O-4 lignin units in wood and pulps by near infrared spectroscopy (NIRS)”, 17th International Symposium on Wood, Fibre and Pulping Chemistry, Poster presentation, Vancouver, BC, Canada, 12-14 June 2013 (Doc CTP n° 2723).
- ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, “Sustainable solutions for hardboard manufacturing”, *JEC Composites Magazine*, n°81, pp52-53, May-June 2013.
- ◆ **Chemin, M., Ham-Pichavant, F., Da Silva-Perez, D., Petit-Conil, M., Labat, G., Gadenne, B., Alfos, C., Cramail, H., Grelier, S.**, “Preparation of oligosaccharides from beechwood xylans for the design of new bio-based copolymers”, ISGC-2 2nd International Symposium on Green Chemistry, Renewable Carbon and Eco-Efficient Processes, La Rochelle, France, 21-24 May 2013.
- ◆ **Bertaud, F., Aubigny, A., Boucherand, C., Guerini, O., Petit-Conil, M.**, “Integrated conversion of lignocellulosic biomass as energy and chemical resources in a Biorefinery concept: high value polyphenolic bio-active molecules extraction prior to gazeification/methanation”, ISGC-2 2nd International Symposium on Green Chemistry, Renewable Carbon and Eco-efficient Processes, Flash communication, La Rochelle, France, 21-24 May 2013 (Doc CTP n°2722).
- ◆ **Chemin, M., Ham-Pichavant, F., Da Silva-Perez, D., Petit-Conil, M., Labat, G., Gadenne, B.**

- Alfos, C., Cramail, H., Grelier, S.**, "Preparation of oligosaccharides from beechwood xylans – Design of new bio-based copolymers", EDSC – 15^e Journées de l'Ecole Doctorale des Sciences Chimiques, Talence, France, 25-26 April 2013.
- ◆ **Petit-Conil, M.**: "Lignocellulosic materials or how to better valorise them / Les matériaux lignocellulosiques ou comment mieux les valoriser", Mémoire d'Habilitation à Diriger des Recherches / Report for post-doctoral degree for professorship qualification, Université de Grenoble, Speciality Materials and process engineering, 18 april 2013 (Doc CTP n°2763)
 - ◆ **Jacob, S., da Silva Perez, D., Dupont, C., Commandré, J.M., Broust, F., Carriau, A., Sacco, D.**, "Short rotation forestry feedstock: Influence of particle size segregation on biomass properties", Fuel, vol.111, pp820-828, 2013.
 - ◆ **Mangiante, G., Zeno, E., Petit-Conil, M., Gaborieau, M., Charlot, A., Bernard, J., Fleury, E.**, "Mild and ecofriendly modifications of cellulose fibers toward novel functional biomaterials", 245th American Chemical Society (NOLA), La Nouvelle Orléans, Louisiana, USA, Oral presentation, 7-11 April 2013 (Doc CTP n°2712).
 - ◆ **Mangiante, G.**: "Green and innovative chemical modifications of cellulose fibers", Mémoire de thèse de doctorat de l'Institut National des Sciences Appliquées de Lyon, Spécialité Matériaux polymères, 05 avril 2013.
 - ◆ **Tikhonova, E., Irle, M., Lecourt, M.**, "Mattress layering as a way to facilitate the use of alternative fibrous materials in fiberboard manufacture", International Wood Composite Symposium, Oral presentation, Seattle, WA, USA, 3-4 April 2013.
 - ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, "Development of new multi-layer fibreboard products with enhanced characteristics and lower environmental effect", 34th International Conference SAMPE, Oral presentation and poster, Paris, France, 8-13 March 2013.
 - ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, "Development of new multi-layer fibreboard products with enhanced characteristics and lower environmental effect", Sélection Française Concours SAMPE, Oral presentation, Nantes, France, 28-29 January 2013.
 - ◆ **Bigand, V., Pinel, C., da Silva Perez, D., Rataboul, F., Petit-Conil, M., Huber, P.**, "Influence of liquid or solid phase preparation of cationic hemicelluloses on physical properties of paper", Bioresources, vol. 8, n°2, pp2118-2134, 2013 (Doc CTP n°2705).
 - ◆ **Mangiante, G., Alcouffe, P., Burdin, B., Gaborieau, M., Zeno, E., Petit-Conil, M., Bernard, J., Charlot, A., Fleury, E.**, "Green non-degrading approach to alkyne-functionalized cellulose fibers and biohybrids thereof: Synthesis and mapping of derivatization", Biomacromolecules, vol. 14, pp254-263, 2013 (Doc CTP n°2703).
 - ◆ **Silva Perez, D., Tapin-Lingua, S., Petit-Conil, M.**, Energetic and molecular upgrading of lignins, 2nd Sino-French Bilateral Green Chemistry Conference, Lyon, France, 14 January 2013 (Doc CTP n°2793).
- ## 2012
- ◆ **Dupont, C., Ould Marrakchy, K., Nocquet, T., Verne-Tournon, C., Da Silva Perez, D., Labalette, F., Rousset, P.** Steam gasification of various biomass chars: influence of inorganic elements. 19th International Symposium on Analytical and Applied Pyrolysis, Linz. 2012
 - ◆ **Petit-Conil, M.**: "Production de fibres et de molécules à partir du bois et de ses constituants", Rendez-vous techniques – Office National des Forêts, n°38, Automne 2012 (Doc CTP n° 2763).
 - ◆ **Mangiante, G., Zeno, E., Petit-Conil, M., Charlot, A., Bernard, J., Fleury, E.**, "Alkyne-functionalized wood cellulose fibers as versatile environment friendly precursors toward novel functional biomaterials", Belgian-German (Macro)Molecular Meeting, Houffalize, Belgium, Oral Presentation, 3-4 December 2012 (Doc CTP n°2701).
 - ◆ **Mangiante, G., Burdin, B., Alcouffe, P., Zeno, E., Petit-Conil, M., Bernard, J., Charlot, A., Fleury, E.**, "Cartographie de la fonctionnalisation alcyne de fibres de cellulose. Cohérence: Microscopies confocale Raman et de fluorescence et analyse STEM/EDX", Journée du Centre Technologique des Microstructures, Lyon, France, Oral Presentation, 4 Décembre 2012 (Doc CTP n°2700).
 - ◆ **Chemin, M., Wirotius, A-L., Ham-Pichavant, F., da Silva Perez, D., Petit-Conil, M., Labat, G., Gadenne, B., Alfos, C., Cramail, H., Grelier, S.**, "Préparation d'oligosaccharides issus de xylanes de hêtre et application en l'ingénierie macromoléculaire", Journées scientifiques du GDR Bois 3544 – Sciences du bois, Montpellier, France, Poster Presentation, 26-28 November 2012.

- ◆ **Chemin, M., Wirotius, A-L., Ham-Pichavant, F., da Silva Perez, D., Petit-Conil, M., Labat, G., Gadenne, B., Alfos, C., Cramail, H., Grelier, S.**, “Préparation d’oligosaccharides issus de xylanes de hêtre pour la conception de nouveaux copolymères bio-sourcés”, 41^{ème} Colloque National du Groupe Français des Polymères, Grenoble, France, Poster Presentation, 19-22 November 2012.
- ◆ **Mangiante, G., Zeno, E., Petit-Conil, M., Gaborieau, M., Charlot, A., Bernard, J., Fleury, E.**, “Promoting renewable resources : chemical modifications of cellulose fibers in non-degrading and green conditions toward functional biohybrids”, 5th Workshop on Cellulose, Regenerated Cellulose and Cellulose derivatives, Örnsköldsvik, Sweden, Poster Presentation, 13-14 November 2012 (Doc CTP n°2672).
- ◆ **Meyer, V., Lecourt, M., Petit-Conil, M.**, “Bio-TMP process: what are the best enzymes to use ?”, ATIP journal, vol.66, n°3, pp9-15, 2012 October 2012 (Doc CTP n°2677).
- ◆ **Belmokaddem, F.-Z., Bigand, V., Huber, P., da Silva Perez, D., Rataboul, F., Pinel, C., Petit-Conil, M.**, “Hemicelluloses modification for paper applications”, 3rd Workshop COST Action CM0903 “Ubiochem III: sustainable production of fuels/energy, materials and chemicals from biomass”, Thessaloniki, Greece, 1-3 November 2012 (Doc CTP n°2674).
- ◆ **Bertaud, F., Tapin-Lingua, S., Pizzi, A., Navarette, P., Petit-Conil, M.**, “Development of green adhesives for fibreboards manufacturing, using tannins, and lignin from pulp mill residues”, Cellulose Chemistry and Technology, vol.46, n°7-8, pp449-455, 2012 (Doc CTP n°2685).
- ◆ **Ravalason, H., Bertaud, F., Herpoël-Gimbert, I., Meyer, V., Ruel, K., Grisel, S., Olivé-Laugé, C., Sigoillot, J-C., Petit-Conil, M.**, “Laccase/HBT and laccase-CBM/HBT treatment of softwood kraft pulp: impact on pulp bleachability and physical properties”, Bioresource Technology, vol.121, pp68-75, 2012 (Doc CTP n°2676).
- ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, “Fibreboard layering: analysis of the opportunity”, 8th European Wood-based panel Symposium, Oral presentation, Hanover, Germany, 10-12 October 2012.
- ◆ **Reynaud, C., Baumberger, S., Eligir, G., Petit-Conil, M., Tapin-Lingua, S.**, “Laccases treatment of pulp using lauryl gallate to enhance hydrophobicity”, 8th European Wood-based panel Symposium, Oxizymes Conference, Oral presentation, Marseille, France, 17-19 September 2012.
- ◆ **Jacob, S., da Silva Perez, D., Dupont, C., Broust, F., Commandré, J.M., Guillemain, A., Sacco, D.**, “Influence of segregation on the chemical properties of poplar short rotation forestry feedstock for biomass thermochemical conversion”, 4th International conference on engineering for waste and biomass valorisation, Porto, Portugal, Oral presentation, 10-13 September 2012.
- ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, “Reject fibres from paper manufacture as an alternative material for fibreboards”, Ecowood conference, Porto, Portugal, Oral presentation, 5-7 September 2012.
- ◆ **Jacob, S., Dupont, C., da Silva Perez, D., Grateau, M., J.M., Sacco, D.**, “Steam gasification of short rotation forestry”, Bionergy from Forest conference – Bionergy from root to boiler, Jyväskylä, Finland, Oral presentation, 27 August-1 September 2012.
- ◆ **Bertaud, F., Vitrac, X., Dudonné, S., Coutière, P., Petit-Conil, M.**, “Investigation of industrial wood residues as new resources for bio-active ingredients”, European Workshop on Lignocellulosics and Pulp 2012, Espoo, Finland, Poster presentation, 27-30 August 2012 (doc CTP n°2667).
- ◆ **Mangiante, G., Zeno, E., Petit-Conil M., Charlot, A., Bernard, J., Fleury, E.**, “Alkyne-functionalized cellulosic fibers toward green tailored biohybrid conception”, Plant and Seaweed Polysaccharides Symposium - PSP2012-EPNOE, Oral presentation, Nantes, France, 17-20 July 2012 (Doc CTP n°2675).
- ◆ **Huber, P., da Silva Perez, D., Vial, E., Privat, F., Petit-Conil, M.**, “Implementation of an hemicelluloses extraction stage in a kraft pulp mill for production of papermaking chemicals: energy balance, economics and life cycle assessment”, IUFRO Conference, Division 5 Forest Products, Lisbon, Portugal, Proceedings, 8-13 July 2012 (Doc CTP n°2658).
- ◆ **Meyer, V., Tapin-Lingua, S., da Silva Perez, D.**, “Influence of fibre pre-treatment methods on NFC production at pilot scale”, 107th Zellscheming General Annual Meeting, Oral presentation, Wiesbaden, Germany, Proceedings, 26-28 June 2012 (Doc CTP n°2651).

- ◆ **Burnet, A., Savoye, L., Meyer, V., Carré, B., Petit-Conil, M.**, “Substitution of sodium hydroxide by magnesium carbonate or magnesium hydroxide during the hydrogen peroxide bleaching of TMP and DIP pulps”, ANQUE International Congress of Chemical Engineering, Oral presentation, Sevilla, Spain, 24-27 June 2012 (Doc CTP n° 2652).
- ◆ **Petit-Conil, M.**, “Production de fibres et de molécules à partir du bois et de ses constituants”, Colloque ONF des 19-20 juin 2012, Paris, France & Rendez-vous Techniques, Office National des Forêts, n°38, pp41-50, automne 2012 (Doc CTP n°xxxx).
- ◆ **Huber, P., Entressangle, F., da Silva Perez, D., Petit-Conil, M.**, “Deflocculation of fibre suspensions by added hemicelluloses”, International Paper Physics Conference & 8th International Paper and Coating Chemistry Symposium, Stockholm, Sweden, Oral Presentation, 10-14 June 2012 (Doc CTP n°2635).
- ◆ **Meyer, V., da Silva Perez, D., Tapin-Lingua, S., Kautto, J.**, “Technical opportunities and economical challenges to produce nanofibrillated cellulose in pilot scale: NFC delivery for applications in demonstration trials”, SUNPAP Final Workshop, Oral presentation, Milan, Italy, Proceedings, 19-20 June 2012 (Doc CTP n°2650).
- ◆ **Zeno, E., da Silva Perez, D., Krouit, M., Petit-Conil, M.**, “Nanofibrillated cellulose grafting induced by redox system”, SUNPAP Final Workshop, Poster presentation, Milan, Italy, 19-20 June 2012 (Doc CTP n°2663).
- ◆ **da Silva Perez, D., Meyer, V., Fabry, B., Tapin-Lingua, S., Petit-Conil, M., Huber, P.**, “Optimisation of the TEMPO oxidation”, SUNPAP Final Workshop, Oral presentation, Milan, Italy, Poster Presentation, 19-20 June 2012 (Doc CTP n°2662).
- ◆ **Jacob, S., Dupont, C., da Silva Perez, D., Ould Marrakchy, E.L., Sacco, D.**, “Fractionating poplar and eucalyptus short rotation forestry for torrefaction”, 20th European biomass conference and exhibition, Milan, Italy, Poster presentation, 18-22 June 2012.
- ◆ **Jacob, S., da Silva Perez, D., Dupont, C., Broust, F., Commandré, J.M., Sacco, D.**, “Characterization of short rotation forestry: overview of diversity”, 20th European biomass conference and exhibition, Milano, Italy, Oral presentation, 18-22 June 2012.
- ◆ **Bertaud, F., Holmbom, B., Petit-Conil, M.**, “Wood residues for pulp and paper industry are new resources for bio-active molecules”, Polyphenols 2012, Paris, France, Oral presentation, 7-8 June 2012 (doc CTP n°2644).
- ◆ **Navarrete, P., Pizzi, A., Tapin-Lingua, S., Benjelloun-Mlayah, B., Pasch, H., Rode, K., Delmotte, L., Rigolet S.**, “Low formaldehyde emitting biobased wood adhesives manufactured from mixtures of tannins and glyoxylated lignin”, Journal of adhesion science and technology, vol.26, pp1667-1684, 2012.
- ◆ **Huber, P., Entressangle, F., da Silva Perez, D., Lyannaz, L., Petit-Conil, M.**, “Hemicelluloses extracted from wood chips as alternative to starch for size press application in OCC grades”, 7th CTP/PTS Symposium on packaging desing and recycling, Grenoble, France, Paper 18, 7pp, 28-29 March 2012 (Doc CTP n°2642 (text) and 2648 (slide)).
- ◆ **Bessières, M., Kara, Y., Aubigny, A., Bertaud, F. da Silva Perez, D., Petit-Conil, M., LeNet, E., Guerrini, O.**, “Projet Gaya: une approche décentralisée de la bioraffinerie thermo-chimique”, Colloque Adebitech Bioraffinerie des sous-produits de l’industrie et de l’environnement, Paris Romainville, France, Oral and Poster presentations, 27 March 2012 (Doc CTP n°2640).
- ◆ **Savoye, L., Meyer, V., Petit-Conil, M.**, “Alternative alkalis for peroxide bleaching of chemithermomechanical pulp”, Nordic Pulp and Paper Research Journal vol. 27, n°1, pp42-49, January 2012 (Doc CTP n°2606).

2011

- ◆ **Belmokaddem, F.Z.**, “Valorisation des hémicelluloses de bois : synthèse de charges papetières”, Mémoire de thèse de doctorat de l’Université Claude Bernard Lyon 1, Spécialité Chimie, 19 Décembre 2011.
- ◆ **Savoye, L., Meyer, V., Fanget, B., Guittonneau, S.**: “Characterization of dissolved organic matter released during alkaline peroxide bleaching of thermomechanical pulp”, 12th European Meeting on Environmental Chemistry, Poster presentation, Clermont-Ferrand, France, 7-10 December 2011 (Doc CTP n°2638).
- ◆ **Bigand, V.**, “Modification chimique des hémicelluloses pour une application papetière”, Mémoire de thèse de doctorat de l’Université Claude Bernard Lyon 1, Spécialité Chimie, 04 Novembre 2011.

- ◆ **Savoie, L.**, "Réduction de l'impact environnemental du blanchiment au peroxyde d'hydrogène en milieu alcalin des pâtes mécaniques", Mémoire de thèse de doctorat de l'Université de Grenoble, Spécialité Chimie, 12 October 2011 (Doc CTP n°2610).
- ◆ **Chauve, M.**, "Modélisation cinétique de l'hydrolyse enzymatique des substrats cellulosiques. Influence de la structure et morphologie du substrat", Mémoire de thèse de doctorat de l'Université de Grenoble/European Synchrotron Radiation Facility, 17 Octobre 2011.
- ◆ **Paquet, O., Salon-Brochier, M.C., Zeno, E., Belgacem, N.**, "Hydrolysis-condensation kinetics of 3-(2-amino-ethylamino) propyl trimethoxysilane", *Materials Science and Engineering*, vol. 32, n°3, pp487-493, 2011 (Doc CTP n°2626).
- ◆ **Da Silva Mourao, J., Zeno, E., Mauret, E.**, "Effect of resin acids and hemicelluloses on alkyl ketene dimer sizing", *Journal of Adhesion Science and Technology*, vol. 25, n°6-7, pp743-760, 2011 (Doc CTP n°2625).
- ◆ **Da Silva Perez, Berthelot, A., Nguyen-Thé, N., Guillemain, A., De Morogues, F., Dupont, C., Bellot, C., Gomes, C., Chabbert, B., Briand, S., Laboubée, C., Leygue, J-Ph., Labalette, F.**, "Qualité bioénergétique de la biomasse forestière en vue de la production de biocarburants de 2ème génération", *Revue Forestière Française*, vol. LXIII, n°2-2011, pp135-148, 2011.
- ◆ **Prinsen, P., Gutierrez, A., Rencoret, J., Nieto, L., Jimenez-Barbero, J., Burnet, A., Petit-Conil, M., Colodette, J.L., Martinez, A.T., Del Rio, J.C.**: "Morphological characteristics and composition of lipophilic extractives and lignin in Brazilian woods from different eucalypt hybrids", *Industrial Crops and Products*, vol.36 pp572-583, 2011 (Doc CTP n°2605).
- ◆ **Sasso, C., Bruyant, N., Beneventi, D., Zeno, E., Faure-Vincent, J., Petit-Conil, M., Chaussy, D., Belgacem, N.**, "Polypyrrole (PPy) chemical synthesis with xylan in aqueous medium and production of highly conducting PPy/microfibrillated cellulose films and coatings", *Cellulose*, vol. 18, n°6, pp1465-1467, 2011 (Doc CTP n°2601).
- ◆ **Savoie, L., Meyer, V., Petit-Conil, M.**: "Mechanisms of TMP peroxyde bleaching using Mg-based alkalis", *Holzforschung*, vol.65 n°6, pp797-803, 2011 (Doc CTP n°2586).
- ◆ **Mangiante, G., Tapin-Lingua, S., Zeno, E., Krouit, M., Petit-Conil M., Charlot, A., Bernard, J., Fleury, E.**, "Green and non-degradative approach toward alkyne-functionalized cellulosic fibres", *International conference - A Greener Chemistry for Industry 2011*, Lille, France, 12-14 December 2011 (Doc CTP n°2618).
- ◆ **Belmokaddem, F.-Z., Pinel, C., Huber, P., Petit-Conil, M., da Silva Perez, D.**, "Green synthesis of xylan-based nanoparticles", *International conference - A greener chemistry for industry*, Lille, France, 12-14 December 2011 (Doc CTP n°2604).
- ◆ **Tikhonova, E., Nougier, P., Lecourt, M., Irle, M.**, "Layering as a way to enhance fibreboard properties", *WoodChem 2011*, Strasbourg, France, 1-2 december 2011.
- ◆ **Bertaud, F., Tapin-Lingua, S., Pizzi, T., Navarette, P., Petit-Conil, M.**, "Development of green adhesives for fibreboards manufacturing, using tannins and lignin from pulp mill residues", *WoodChem 2011*, Strasbourg, France, 1-2 December 2011.
- ◆ **Belmokaddem, F.-Z., Pinel, C., Huber, P., Petit-Conil, M., da Silva Perez, D.**, "Green synthesis of xylan hemicellulose esters", *Carbohydrate Research*, vol.346, n°18, pp2896-2904, December 2011 (Doc CTP n°2597).
- ◆ **Tikhonova, E., Lecourt, M., Irle, M.**, "A study of fibre morphology as a view to the manufacture of layered fiberboards", *International Panel Products Symposium, Proceedings* pp67-72, Llandudno, Wales, UK, 5-6 October 2011.
- ◆ **Meyer, V., Tapin-Lingua, S., da Silva Perez, D., Arndt, T., Germgard, U.**, "Influence of mechano-enzymatic and chemical pretreatment methods on NFC preparation", *SUNPAP Workshop*, Espoo, Finland, 5 October 2011 (doc CTP n°2612).
- ◆ **Bigand, V., Pinel, C., da Silva Perez, D., Rataboul, F., Petit-Conil, M., Huber, P.**, "Cationisation of hemicelluloses and their use in the paper pulp", *COST FTP Early Stage Researchers Forum 2011*, Warsaw, Poland, 26 Septembre 2011 (doc CTP n°2590).
- ◆ **Belmokaddem, F.-Z., Daniele, S., Pinel, C., Huber, P., Petit-Conil, M., da Silva Perez, D.**, "Elaboration of xylan-titania nanocomposites", *Congrès EUROMAT*, Poster presentation, Montpellier, France, 12 Septembre 2011 (doc CTP n°2571).

- ◆ **da Silva Perez, D., Huber, P., Petit-Conil, M.,** “Extraction of hemicelluloses from wood chips and some examples of usage in the papermaking process“, Colloque Interfibres, Proceedings, Bordeaux, France, 6-8 Septembre 2011 (doc CTP n°2576).
- ◆ **da Silva Perez, D., Huber, P., Janodet, A., Soranzo, A., Guillemain, A., Schelcher, M., Petit-Conil, M., Nortier, P., Belgacem, N.,** “Impact of the extraction conditions and wood species on the chemical composition of hemicelluloses”, ATIP, vol. 65, n°3, pp14, 16-17, 20, August-September 2011 (Doc CTP n°2568).
- ◆ **Lecourt, M., Soranzo, A., Petit-Conil, M.,** “Refining of radiata pine and eucalyptus kraft pulps assisted with commercial laccase mediator systems”, O’Paper, vol.72, n°8, pp57-61, August 2011 (Doc CTP n°2587).
- ◆ **Sasso, C., Beneventi, D., Zeno, E., Chaussy, D., Petit-Conil, M., Nortier, P., Belgacem, N.,** “Polypyrrole and polypyrrole/wood-derived materials conducting composites : a review”, Bioresources, vol. 6, n°3, pp3585-3620, 2011 (Doc CTP n°2567).
- ◆ **Bertaud, F., Tapin-Lingua, S., Pizzi, A., Navarrete, P., Petit-Conil, M.,** “Development of green adhesives for fibresboards manufacturing, using tannins and lignin from pulp mill residues”, ATIP, vol.65 n°3, pp6-12 August-September 2011 (Doc CTP n°2578).
- ◆ **da Silva Perez, D., Huber, P., :** “Characterisation of hardwoods and softwoods hemicelluloses fractions obtained under different extraction conditions”, ITALIC6/COST FP0901/COST FP0602 conference, Viterbo, Italy, 5-8 September 2011 (Doc CTP n°2615).
- ◆ **Belgacem, M.N., Salon-Brochier, M.C., Krouit, M., Bras, J.,** “Recent advances in surface chemical modification of cellulose fibres”, Journal of Adhesion Science and Technology, vol. 25, pp661-684, 2011 (Doc CTP n°2614).
- ◆ **Savoie, L., Meyer, V., Petit-Conil, M.:** “Mechanisms of TMP peroxide bleaching using Mg-based alkalis“, International Mechanical Pulping Conference, Oral presentation, Proceedings, Xi’an, China, 27-29 June 2011 (Doc CTP n°2553).
- ◆ **da Silva Perez, D., Guillemain, A., Janodet, A., Soranzo, A., Schelcher, M., Huber, P., Petit-Conil, M.,** “Softwood hemicelluloses: impact of the extraction conditions and wood species on their chemical composition ”, 16th International Symposium on Wood, Fiber and Pulping Chemistry, Proceedings, Tianjin, China, 8-10 June 2011 (Doc CTP n°2572).
- ◆ **Bigand, V., Pinel, C., Rataboul, F., da Silva Perez, D., Huber, P., Petit-Conil, M., ,** “Fonctionnalisation des hémicelluloses: de type galactomannane et xylane“, Congrès Glucidoc, Oral presentation, Montpellier, France, 3-6 May 2011 (Doc CTP N°2573).
- ◆ **Belmokaddem, F.-Z., Pinel, C., Daniele, S., Huber, P., Petit-Conil, M., da Silva Perez, D.,** “Estérification des hémicelluloses: vers une synthèse verte“, Congrès Glucidoc, Oral presentation, Montpellier, France, 3-6 May 2011 (Doc CTP n°2574).
- ◆ **Savoie, L., Meyer, V., Petit-Conil, M.:** “Reducing environmental impact by using weak alkalis in mechanical pulp bleaching“, ATIP, vol. 65, n°1, pp14-21, February-March 2011 (Doc CTP n°2555).
- ◆ **Chauve, M., Casanave, D., Lopes Ferreira, N., da Silva Perez, D., Tapin-Lingua, S, Perez, S. :** “ Evolution of cellulosic substrate during enzymatic hydrolysis: impact of substrate morphology and reactivity“, 33rd Symposium on Biotechnology for Fuels and Chemicals, Proceedings, Seattle, WA, USA, 2-5 May 2011.
- ◆ **Bigand, V., Pinel, C., da Silva Perez, D., Rataboul, F., Huber, P., and Petit-Conil, M. :** “Cationisation of xylan and galactomannan hemicelluloses“, Carbohydrate Polymers, in Press, Corrected Proof, vol 85, pp138-149, 2011 (Doc CTP n° 2552).
- ◆ **Burnet, A., Meyer, V., Petit-Conil, M.,** “Morphological characteristics of hybrid eucalyptus clones”, 5th International Colloquium on Eucalyptus Pulp, Poster presentation, 9-12 May, Porto Seguro, Brazil, 2011 (Doc CTP n°2560).
- ◆ **Burnet, A., Meyer, V., Martinez, A., Gutierrez, A., Kalun, L., Lund, H., Romero, J., Petit-Conil, M.,** “Upscaling TCF bleaching of Eucalyptus globulus pulp using an enzyme-catalyzed oxygen delignification stage”, 5th International Colloquium on Eucalyptus Pulp, Oral presentation, 9-12 May, Porto Seguro, Brazil, 2011 (Doc CTP n°2561).
- ◆ **Da Silva Perez, D., Nguyen Thé, N., Melun, F., Petit-Conil, M., Gautry, J.Y., Fraysse, J.Y., Grulois, S., Harvengt, L., Trontin, J.L.** “Forst tolerant eucalyptus clones : micropropagation tools and wood and pulp quality”, 5th

International Colloquium on Eucalyptus Pulp, Poster presentation, 9-12 May, Porto Seguro, Brazil, 2011 (Doc CTP N°2613).

- ◆ **Da Silva Perez, D., Nguyen Thé, N., Guillemain, A., Melun, F., Petit-Conil, M.**, “Evaluation of biomass quality of *Eucalyptus gundal* for biofuels production”, 5th International Colloquium on Eucalyptus Pulp, Oral presentation, 9-12 May, Porto Seguro, Brazil, 2011 (Doc CTP n°2562).
- ◆ **Da Silva Perez, D., Huber, P., Janodet, A., Soranzo, A., Guillemain, A., Schelcher, M., Petit-Conil, M., Nortier, P., Belgacem, N.**, “Impact of the extraction conditions on the birch hemicelluloses composition”, 3rd Nordic Wood Biorefinery Conference, Proceedings, 21-24 March, Stockholm, Sweden, 2011 (Doc CTP n°2569).
- ◆ **Bertaud, F., Tapin-Lingua, S., Pizzi, A., Navarrete, P., Petit-Conil, M.**, “Development of green adhesives for fibresboards manufacturing, using tannins and lignin from pulp mill residues”, 3rd Nordic Wood Biorefinery Conference, Proceedings 17p., 22-24 March, Stockholm, Sweden, 2011 (Doc CTP n°2550).
- ◆ **Ruiz, J., Rech, D., Eymin-Petot-Toutollet, G., Waters, K.**, “From Fibres to Paper: Towards Tissue Properties Optimisation.”, Tissue World, Nice, France, 28-31 Mars 2011 (doc CTP n°2591).
- ◆ **Bongiovani, R., Zeno, E., Pollicino, A., Serafini, P.M., Tonelli, C.**, “UV light-induced grafting of fluorinated monomer onto cellulose sheets”, Cellulose, vol. 18, n°1, pp117-126, 2011 (doc CTP n°2559).
- ◆ **Siqueira, G., Tapin-Lingua, S., Bras, J., da Silva Perez, D., Dufresne, A.**, “Mechanical properties of natural rubber nanocomposites reinforced with cellulosic nanoparticles obtained from combined mechanical shearing, and enzymatic and acid hydrolysis of sisal fibers”, Cellulose, vol. 18, n°1, pp57-65, 2011.
- ◆ **Sasso, C., Beneventi, D., Zeno, E., Petit-Conil, M., Chaussy, D., Belgacem, N.**, “Carboxymethylcellulose : a conductivity enhancing additive and film-forming agent for processable polypyrrole from aqueous medium”, Synthetic metals, vol. 161, n°5-6, pp397-403, 2011 (Doc CTP n°2547).
- ◆ **Lepoitevin, C., Rousseau, J-P., Guillemain, A., Gauvrit, C., Besson, F., Hubert, F., da Silva Perez, D., Harvengt, L., Plomion, C.**, “Genetic parameters of growth, straightness

and wood chemistry traits in *Pinus pinaster*”, Annals of Forest Science, 2011.

- ◆ **Navarrete, P., Pizzi, A., Bertaud, F., Rigolet S.**, “Condensed tannin reactivity inhibition by internal rearrangements: detection by CP-MAS ¹³C NMR”, Maderas Ciencias y Tecnologia, vol.13, n°1, pp59-68, January 2011 (Doc CTP n°2546).

2010

- ◆ **Sasso, C.**, “Elaboration de films composites conducteurs issus de matériaux ligno-cellulosiques”, Mémoire de thèse de doctorat de Grenoble INP, Spécialité Génie des Matériaux, 9 Décembre 2010 (Doc CTP n°2xxx).
- ◆ **Krouit, M., Belgacem, M.N., Bras, J.**, : “Chemical versus solvent extraction treatment: comparison and influence on polyester based bio-composite mechanical properties”, Composites : Part A, 2011 (Doc CTP n°2616).
- ◆ **Siqueira, G., Tapin-Lingua, S., Bras, J., da Silva Perez, D., Dufresne, A.**, “Morphological investigation of nanoparticles obtained from combined mechanical shearing, and enzymatic and acid hydrolysis of sisal fibers”, Cellulose, vol. 17, n°6, pp1147-1158, 2010.
- ◆ **Bigand, V., Pinel, C., da Silva Perez, D., Rataboul, F., Petit-Conil, M., Huber, P.**, “Cationisation of xylan and galactomannan hemicelluloses”, Pentoses Congress - Biomass derived pentoses: from biotechnology to fine chemistry, Proceedings, 14-16 November, Reims, France, 2010 (Doc CTP n°2575).
- ◆ **Sasso, C., Beneventi, D., Zeno, E., Chaussy, D., Petit-Conil, M., Nortier, P., Belgacem, N.**, “Polypyrrole synthesis via carboxymethylcellulose-iron complexes”, Bioresources, vol. 5, n°4, pp2348-2361, 2010 (Doc CTP n°2539).
- ◆ **Margarido, M., Anjos, O., Da Silva Perez, D., Mortha, G.**, “Effect of kraft cooking behaviour for six different softwood species”, 43rd Congress of ABTCP (Associação Brasileira Técnica de Papel e Cellulose), Proceedings on CD-Rom, 4-6 October, Sao Paulo, Brazil, 2010.
- ◆ **Margarido, M., Mortha, G., Jain, S., Da Silva Perez, D., Petit-Conil, M.**, “Effect of hardwood species in mixture during kraft cooking: modeling and experimental results”, 43rd Congress of ABTCP (Associação Brasileira Técnica de Papel e Cellulose), Proceedings on

CD-Rom, 4-6 October, Sao Paulo, Brazil, 2010 (Doc CTP n°2532).

- ◆ **Siqueira, G., Bras, J., Tapin-Lingua, S., da Silva Perez, D., Dufresne, A.**, "Enzymatic and Acid Hydrolysis of Sisal Fibers: Morphological Aspects of Nanoparticles and Influence on the Mechanical Properties of Nanocomposites", 2010 International Conference on Nanotechnology for the forest product industry, Poster Presentation, 26-29 September, Espoo, Finland, 2010.
- ◆ **Da Silva Perez, D., Tapin-Lingua, S.**, "Impact of micro/nano-fibrillated cellulose preparation on the reinforcement properties of paper and composites", 2010 International Conference on Nanotechnology for the forest product industry, Oral Presentation, 26-29 September, Espoo, Finland, 2010.
- ◆ **Navarette, P., Mansouri, H.R., Pizzi, A., Tapin-Lingua, S., Benjelloun-Mlayah, B., Pasch, H., Rigolet, S.**, "Wood panel adhesives from low molecular mass lignin and tannin without synthetic resins", *Journal of Adhesion Science and Technology*, vol. 24, n°8, pp1597-1610, 2010.
- ◆ **Sasso, C., Zeno, E., Chaussy, D., Beneventi, D., Belgacem, N., Petit-Conil, M.**, "Highly conducting polypyrrole/cellulose nanocomposite films with enhanced mechanical properties", *Macromolecular materials & engineering*, vol. 295, pp934-941, 2010 (Doc CTP n°2533).
- ◆ **Margarido, M., Anjos, O., Da Silva Perez, D. Mortha, G.**, "Evaluation of kraft cooking behaviour for different hardwood species", XXI TECNICELPA Conference - VI Iberoamerican Congress on Pulp and Paper Research - CIADICYP 2010, Proceedings, 12-15 October, Lisbon, Portugal, 2010.
- ◆ **Lecourt, M., Soranzo, A., Baldi, R., Petit-Conil, M.**, "Refining of radiata pine and eucalyptus kraft pulps assisted with commercial laccase mediator systems", XXI TECNICELPA Conference - VI Iberoamerican Congress on Pulp and Paper Research - CIADICYP 2010, Proceedings, 12-15 October, Lisbon, Portugal, 2010 (Doc CTP n°2538).
- ◆ **Ruiz, J., Sacon, V.M., Pescatori Silva, F.H., Eichhorn, S., Bley, L., Sabel, H., Villette, M.J., Eymin Petot-Tourtollet, G., Petit-Conil, M.**, "Tissue softness potential: an objective on-line industrial value", *Revue ATIP*, vol. 64, n°3, pp10-15, August-September 2010 (Doc CTP n°2526).
- ◆ **Da Silva Perez, D., Guillemain, A., Petit-Conil, M.**, "Strategies for surface fibre functionalization using TEMPO-mediated oxidation", 11th European Workshop on Lignocellulosics and Pulp, Proceedings pp377-380, 16-19 August, Hamburg, Germany, 2010 (Doc CTP n°2588).
- ◆ **Da Silva Perez, D., Guillemain, A., Nougier, P., Bouvet, A., Bailly, A., Voiron, S., Petit-Conil, M.**, "Biorefinery approach applied to chestnut for the production of tannins and kraft pulp", 11th European Workshop on Lignocellulosics and Pulp, Proceedings pp73-76, 16-19 August, Hamburg, Germany, 2010 (Doc CTP n°xxxx).
- ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°28, April 2010 (Doc CTP n°2518).
- ◆ **Ruiz, J., Sacon, V.M., Silva, F.P., Eichhorn, S., Bley, L., Sabel, H., Janssen, W., Eymin Petot-Tourtollet, G., Petit-Conil, M.** "Pulp softness potential: a methodology to assess and compare pulps", *O' Papel*, vol. 71, n°3, pp31-45, March 2010 (Doc CTP n°2521).
- ◆ **Mansouri, H.R., Navarrete, P., Pizzi, A., Tapin-Lingua, S., Benjelloun-Mlayah, B., Pasch, H., Rigolet, S.** "Synthetic-resin free wood panel adhesives from mixed low molecular mass lignin and tannin", *European Journal of wood and wood products*, vol. X, ppxx-xx, March 2010.
- ◆ **Da Silva Perez, D. Cadoux, S., Briand, S., Chabbert, B., Labalette, F., Laboubée, C., Leygue, J.-Ph.**, "Caractérisation des biomasses agricoles et forestières pour un usage énergétique : apport du référentiel REGIX", Colloque final du programme national REGIX : Biomasse pour l'énergie. Proceedings ppxx-xx, 4 May, Lyon, France, 2010.
- ◆ **Da Silva Perez, D., Guillemain, A., Labalette, F.**, "Application de la méthode NIR à l'analyse de la qualité de la biomasse", Colloque final du programme national REGIX : Biomasse pour l'énergie. Poster Presentations, 4 May, Lyon, France, 2010.
- ◆ **Chauve, M., Lopes Ferreira, N., Casanave, D., da Silva Perez, D., Perez, S.**, "Kinetic modelling of pure cellulases involved in enzymatic hydrolysis of cellulose", 18th European Biomass Conference and Exhibition, From research to industry and markets, Proceedings, 3-7 May, Lyon, France, 2010.
- ◆ **Da Silva Perez, D., Guillemain, A., Moreau, J. Berthelot, A.** "Evaluation de la qualité des plaquettes forestières au cours du stockage",

Colloque final du programme national REGIX : Biomasse pour l'énergie. Proceedings, Poster Presentation, 4 May, Lyon, France, 2010.

- ◆ **Labalette, F., Briand, S., Laboubée, C., Da Silva Perez, Leygue, J.-Ph.**, "Comparison and adequacy of agricultural and forest resources with the needs of thermochemical processes", 18th European Biomass Conference and Exhibition, From research to industry and markets, Proceedings, 3-7 May, Lyon, France, 2010.
- ◆ **Da Silva Perez, D. Cadoux, S., Briand, S., Chabbert, B., Labalette, F., Laboubée, C., Leygue, J.-Ph.**, "Comparison of agricultural and forest biomass with regards to biological processes for bioethanol production of second generation", 18th European Biomass Conference and Exhibition, From research to industry and markets, Proceedings, 3-7 May, Lyon, France, 2010.
- ◆ **Nguyen-Thé, N., Melun, F., Bouvet, A., Da Silva Perez, D.**, "Evaluation of the biomass production potential, mineral export and the quality of wood chips of eucalyptus in a perspective of culture in VSRC", 18th European Biomass Conference and Exhibition, From research to industry and markets, Proceedings ppxx-xx, 3-7 May, Lyon, France, 2010.
- ◆ **Da Silva Perez, D., Guillemain, A., Labalette, F.**, "Feasibility of near infrared spectroscopy to assess the quality of agricultural and forestry biomass", 18th European Biomass Conference and Exhibition, From research to industry and markets, Proceedings pp7, 3-7 May, Lyon, France, 2010.
- ◆ **Tapin-Lingua, S., da Silva Perez, D., Petit-Conil, M.**, "Biopulping of maritime pine: use of fungal pre-treatments to improve kraft and bisulfite pulping", 1st Symposium on biotechnology applied to lignocelluloses, Poster Presentation, Abstract Proceedings, 29 March – 1 April, Reims, France, 2010.
- ◆ **Bertaud, F., Ravalason, H., Gimbert, I., Asther, M., Sigoillot, J.C., Petit-Conil, M.**, "A new laccase-CBM chimeric enzyme for efficient bio-bleaching of kraft pulps", 1st Symposium on biotechnology applied to lignocelluloses, Abstract Proceedings, 29 March – 1 April, Reims, France, 2010 (Doc CTP 2525).
- ◆ **Meyer, V., Lecourt, M., Petit-Conil, M.**, "Laccase-mediator system as an interesting wood chip pre-treatment to save electrical energy in TMP and CTMP processing", 1st Symposium on biotechnology applied to lignocelluloses, Abstract Proceedings, 29 March – 1 April, Reims, France, 2010 (Doc CTP 2524).
- ◆ **Berthelot, A., Maine, P., Bouvet, A., Da Silva Perez, D.**, "Qualités du bois de peuplier : Caractéristiques générales du bois et des fibres", Forêt-Entreprise, Vol. 191, n° 2, pp22-26, March 2010.
- ◆ **Lecourt, M., Sigoillot, J.C., Petit-Conil, M.**, "Cellulase-assisted refining of chemical pulps: Impact of enzymatic charge and refining intensity on energy consumption and pulp quality", Process biochemistry, vol. 45, pp1274-1278, 2010 (Doc CTP n°2530).
- ◆ **Lecourt, M., Meyer, V., Sigoillot, J.C., Petit-Conil, M.**, "Energy reduction of refining by cellulases", Holzforschung, vol. 64, pp441-446, 2010 (Doc CTP n°2531).
- ◆ **Lecourt, M., Sacon, V. M., Meyer, V., Petit-Conil, M.**, "Biorefining of eucalyptus pulps to save electrical energy or improve pulp quality", ATIP journal, vol. 64, n°1, pp12-20, February-March 2010 (Doc CTP n°2514).
- ◆ **Da Silva Perez, D., Guillemain, A., Berthelot, A., N'Guyen-The, N., de Morogues, F., Gomes, C.**, "Evaluation of forestry biomass quality for the production of second-generation biofuels", Cellulose Chemistry and Technology, vol. 44, n°1-3, pp1-14, January-March 2010.
- ◆ **Da Silva Perez, D., Curvelo, A. A. S.**, "Selective acetone-water delignification of *Eucalyptus urograndis* : An alternative towards the biorefinery approach", The Open Agricultural Journal, vol. 4, pp145-152, 2010.
- ◆ **Da Silva Perez, D., Guillemain, A., Labalette, F., Leygue, J.P., Chabbert, B.**, "Evaluation of biomass quality for the production of second-generation biofuels: process requirements x analytical techniques", COST FP0901 workshop "Current needs in biorefinery analytics, 4-5 February, Vienna, Austria, 2010.
- ◆ **Dupont, C., Rougé, S., Berthelot, A., da Silva Perez, D., Graffin, A., Labalette, F., Laboubée, C., Mithouard, J.C., Pitocchi, F.**, "Bioenergy II: Suitability of Wood Chips and Various Biomass Types for Use in Plant of Btl Production by Gasification", International Journal of Chemical Reactor Engineering, Vol. 8, A74, 2010.
- ◆ **Ruiz, J., Sacon, V.M., Pescatori Silva, F.H., Eichhorn, S., Bley, L., Sabel, H., Villette, M.J., Eymin Petot-Tourtollet, G., Petit-Conil, M.** "Tissue softness potential: an objective on-

line industrial value“, Tissue World Americas 2010, Proceedings, 24-26 March, Miami, FL, USA, 2010 (Doc CTP n°2526).

2009

- ♦ **Ravalason, H., Herpoël-Gimbert, I., Record, E., Bertaud, F., Grisel, S., de Weert, S., van den Hondel, C.A.M.J.J., Asther, M., Petit-Conil, M., Sigoillot, J.-C.,** , "Fusion of a family 1 carbohydrate binding module of *Aspergillus niger* to the *Pycnoporus cinnabarinus* laccase for efficient softwood kraft pulp biobleaching", Journal of Biotechnology, vol. 142, n°3-4 pp 220-226, 15 July 2009 (doc CTP n°2501).
- ♦ **Passadat, N., Reuling, D., Lanvin, J.D.,** "Methodologie d'expertise micrographique des principales essences constitutives des panneaux contreplaqués fabriqués en France", La Revue Forestière Française, vol. LXI, n°1, pp37-48, 2009.
- ♦ **Savoie, L., Meyer, V., Petit-Conil, M.,** "Reduction of environmental impact by using weak alkalis in mechanical pulp bleaching", PTS Pulp Technology Symposium, Proceedings, 24-25 November, Dresden, Germany, 2009 (Doc CTP n°).
- ♦ **Bertaud, F., Fourest, E., Schelcher, M.,** "Hard COD of pulp and paper effluents: Development of an analytical scheme for the identification of the main recalcitrant substances", PTS Pulp Technology Symposium, Proceedings, 24-25 November, Dresden, Germany, 2009 (Doc CTP n°).
- ♦ **da Silva Perez, D., Tapin-Lingua, S., Petit-Conil, M., Braz, J., Siqueira, G., Dufresne, A.,** "Production of cellulose micro and nanofibres: state of the art", 42nd Congress of ABTCP (Associação Brasileira Tecnica de Papel e Cellulose), Proceedings on CD-Rom, 26-29 October, Sao Paulo, Brazil, 2009.
- ♦ **Ruiz, J., Sacon, V.M., Pescatori Silva, F.H., Eichhorn, S., Bley, L., Sabel, H., Janssen, W., Eymin Petot-Tourtollet, G., Petit-Conil, M.,** "Pulp softness potential: a methodology to assess and compare pulps", 42nd Congress of ABTCP (Associação Brasileira Tecnica de Papel e Cellulose), Proceedings on CD-Rom, 26-29 October, Sao Paulo, Brazil, 2009 (Doc CTP n°2484).
- ♦ **Lecourt, M., Sacon, V.M., Meyer, V., Petit-Conil, M.,** "Bio-refining of eucalyptus pulps to save electrical energy or improve pulp quality", 42nd Congress of ABTCP (Associação Brasileira Tecnica de Papel e Cellulose), Poster Presentation, Proceedings on CD-Rom, 26-29 October, Sao Paulo, Brazil, 2009 (Doc CTP n°2483).
- ♦ **Petit-Conil, M.,** "BioRenew-European project presentation", ATIP, vol.63 n°3, pp18-20, August-September 2009 (Doc CTP n°2486).
- ♦ **Bertaud, F.** "Plant made pharmaceutical, Cerberus project", BECOTEPS Workshop on opportunities for new business concepts with the combined non-food biomass chains under the KBBE umbrella, Proceedings, 7-8 October, Brussels, Belgium, 2009 (Doc CTP n°2495).
- ♦ **Lecourt, M., Soranzo, A., Petit-Conil, M.,**"Laccase mediator system, an alternative to facilitate the flax fibre properties development during refining", 6th International conference on textile and polymer biotechnology, Proceedings, 23-25 September, Ghent, Belgium, 2009 (Doc CTP n°2493)
- ♦ **Gellerstedt, G., Martinez, A.T., Gutierrez, A., Alcalde, M., Lund, H., Oestergaard, .L., Martins, L.O., Smith, A.T., van den Hondel, C., Petit-Conil, M., Artal, G., Fredheim, G.E., Almeida, J., Moreira, M.T., Cartier, N., Abächerli, A., Hatakka, A., Asther, M., Scheibner, K., Hofrichter, M., Pointek, K., Cavaco-Paulo, A., Gübitz, G., Colom, J., Romero, J., Agnemo, R., Kandelbauer, A., Gill, R., Frassbender, G.,** "White biotechnology for added value products from renewable plant polymers: Design of tailor-made biocatalyst and new industrial bioprocesses (Biorenew EU-project)", 2nd Nordic Wood Biorefinery Conference, Proceedings, 2-4 September, Helsinki, Finland, 2009 (Doc CTP n°2491).
- ♦ **Bertaud, F., Tapin-Lingua, S., Pizzi, A., Petit-Conil, M.,** "Introduction of tannin extracts in adhesives formulations for fibreboards: evaluation of the potential of tannins from sereral industrial wood barks", Italic 5, Science & Technology of Biomass: Advances and Challenges Conference, Proceedings Poster Presentations, 1-4 September, Varenna, Italy, 2009 (Doc CTP n°2494).
- ♦ **Da Silva Perez, D.,** "Overview of cellulose nanocrystals and nanofibres: the science and the technology. A European perspective", OCDE Conference on potential environmental benefits of nanotechnology: fostering safe innovation – Led growth, Proceedings Presentations, 15-17 July, Paris, France, 2009.
- ♦ **Cloutier, J.N., Lecourt, M., Petit-Conil, M.,** "Ozonation of TMP. Part I: Direction ozone injection in the eye of the secondary refiner", PACWEST Conference, Proceedings

Presentations, 10-13 June, Delta Sun Peaks, BC Canada, 2009 (Doc CTP n°2473)

- ◆ **Savoie, L., Meyer, V., Tapin-Lingua, S., Petit-Conil, M.**, "Reduction of the environmental impact of mechanical pulp bleaching", International Mechanical Pulping Conference, Proceedings, 2-5 June, Sundsvall, Sweden, 2009 (Doc CTP n°2472)
- ◆ **Lecourt, M., Nougier, P., Petit-Conil, M.**, "How will water management in refiners impact on pulp quality and refining ?", International Mechanical Pulping Conference, Proceedings Poster Presentations, 2-5 June, Sundsvall, Sweden, 2009 (Doc CTP n°2475)
- ◆ **Meyer, V., Lecourt, M., Petit-Conil, M.**, "Bio-TMP process to save energy: comparison of enzymes efficiency", International Mechanical Pulping Conference, Proceedings Poster Presentations, 2-5 June, Sundsvall, Sweden, 2009 (Doc CTP n°2471)
- ◆ **Lecourt, M., Nougier, P., Soranzo, A., Petit-Conil, M.**, "How will water management in refiners affect pulp quality ?", ERGS Seminar, Presentations, 30-31 May, Are, Sweden, 2009.
- ◆ **Da Silva Perez, D., Lavalette, A., Guillemain, A., Nougier, P., Tapin-Lingua, S., Bras, J., Gonzales I., Siqueira, G., Dufresne A.**, "Composites materials produced from cellulosic fibres, microfibrils and nanocrystals", 4th International symposium on wood-plastics composites, Proceedings, 30-31 March, Bordeaux, France, 2009.
- ◆ **Da Silva Perez, D., Petit-Conil, M., Dufresne, A.**, "Cellulose micro- and nano-fibres", Chemical & Biochemical wood valorization : solutions for new materials and products ?, Proceedings, 3-4 February, Epinal, France, 2009 (Doc CTP n°xxxx)
- ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°27, January 2009 (Doc CTP n°2523).

2008

- ◆ **Da Silva Perez, D., Sacon, V.M., Guillemain, A., Nougier, P., Zeno, E., Petit-Conil, M., van Heiningen, A.**, "Real-time estimation of pulp yield : application to eucalyptus", 41st Congress of ABTCP (Associação Brasileira Técnica de Papel e Cellulose), Proceedings on CD-rom, October, Sao Paulo, Brazil, 2008 (Doc CTP n°2465)
- ◆ **Da Silva Perez, D., Sacon, V.M., Guillemain, A., Nougier, P., Zeno, E., Petit-Conil, M.**, "TEMPO-oxidation of eucalyptus fibers : reaction conditions and improvement of physical properties", 41st Congress of ABTCP (Associação Brasileira Técnica de Papel e Cellulose), Proceedings on CD-rom, October, Sao Paulo, Brazil, 2008 (Doc CTP n°2464)
- ◆ **Ravalason, H., Jan, G., Mollé, D., Pasco, M., Coutinho, P.D., Lapierre, C., Pollet, B., Bertaud, F., Petit-Conil, M., Grisel, S., Sigoillot, J.-C., Asther, M., Herpoël-Gimbert, I.**, "Secretome analysis of Phanerochaete chrysosporium strain CIRM-BRFM41 grown on softwood", Applied Microbiology and Biotechnology, vol. 80, pp 719-733, 2008 (doc CTP n°2456).
- ◆ **Huber, P., Carré, B., Petit-Conil, M.**, "The influence of TMP fibre flexibility on flocculation and formation", Bioresources, vol. 3, n°4, pp 1218-1227, 2008 (Doc CTP n°2453).
- ◆ **Paiva, J. A. P., Garnier-Géré, P., Rodrigues, J. C., Alves, A., Santos, S., Graça, J., Le Provost, G., Chaumeil, P., da Silva Perez, D., Bosc, A., Fevereiro, P., Plomion, C.** "Plasticity of maritime pine (*Pinus pinaster*) wood-forming tissues during a growing season", New Phytologist, Journal, vol. 179, pp 1080-1094, 2008.
- ◆ **Bertaud, F., Capreri, D., Lenon, G., Holmbom, B., Nisula, L., Ahotupa, M.**, "Evaluation des propriétés biocide et anti-oxydante des extraits issus des résidus de bois de l'industrie des pâtes à papier", 9th Conference Science & Wood Industries, Proceedings, November 20-21, Bordeaux, France, 2008 (Doc CTP n°2458).
- ◆ **Bertaud, F., Fourest, E., Schelcher, M., Chareyre, P., Masurel, C., Antoine, C., Castiglione, C.**, "Caractérisation des substances responsables de la DCO dure d'effluents industriels papetiers", Journée Information Eau – 18^{ième} édition, Proceedings, September 23-25, Poitiers, France, 2008 (Doc CTP n°2431).
- ◆ **Margarido, M., da Silva Perez, D., Mortha, G.**, "Kinetics of delignification of softwoods and hardwoods pure and in mixtures", 10th European Workshop on Lignocellulosics and Pulps, Proceedings, Poster PI-13, pp. 193-196, August 26-29, Stockholm, Sweden, 2008.
- ◆ **Margarido, M., da Silva Perez, D., Mortha, G.**, "Sodium hydroxide diffusivity in thin wood chips interpreted by a capillary pore model; a study on twelve softwood and hardwood species", 10th European Workshop on Lignocellulosics

and Pulps, Proceedings, Poster PI-14, pp. 197-200, August 26-29, Stockholm, Sweden, 2008.

- ◆ **Bertaud, F., Laurent, A., Garnier, N., Voiron, S., Sacon, V., Petit-Conil, M.**, "Impact of xylanase pre-treatment of Eucalyptus wood chips on Kraft pulping and pulp bleachability", 10th European Workshop on Lignocellulosics and Pulp, Proceedings, August 26-29, Stockholm, Sweden, 2008 (doc CTP n° 2430).
- ◆ **Bertaud, F., Fourest, E., Schelcher, M., Antoine, C., Besson, J., Chareyre, P., Masurel, C.**, "Characterisation of recalcitrant substances responsible for residual COD load: development of analytical protocol of biodegraded effluent", ATIP Journal, vol. 62, n°2, June-July 2008 (Doc CTP n°2448).
- ◆ **da Silva Perez, D., Montanari, S., Vignon, M.**, "Nanofibres produced from TEMPO-oxidized cellulose III", International Conference on Nanotechnology for the Forest Products Industry, Proceedings, June 25-27, St Louis, Missouri, USA, 2008.
- ◆ **Zeno, E.**, "Fibre surface modifications", Technodating – Pôle Fibres, Proceedings, May 27, Epinal, France, 2008 (doc CTP n°2426).
- ◆ **Meyer, V., Tapin-Lingua, S., Ruel, K.**, "L'immunomarquage: un outil puissant pour la cartographie chimique des fibres lignocellulosiques", Nano micro & macroscopic imaging in life sciences, Proceedings, May 15-16, Grenoble, France, 2008 (doc CTP n°2422).
- ◆ **Bertaud, F., Chareyre, P., May, E.**, "Development of TLC for the separation of bioactive phenolic compounds from maritime pine knotwood extracts: Evaluation of the recovery of chemical pulping wood wastes", Final seminar COST action E41 "Analytical tools with applications for wood and pulping chemistry – towards understanding wood, fibre and paper deeper knowledge through modern analytical tools" & COST E50 workshop "Cell wall macromolecules and reaction wood", Proceedings, May 19-21, Turku, Finland, 2008 (doc CTP n°2421).
- ◆ **da Silva Perez, D., Guillemain, A., Margarido, M., Mortha, G.**, "NIRS characterization of pulps obtained from different wood species (pure and mixture) pooled into single calibrations", Final seminar COST action E41 "Analytical tools with applications for wood and pulping chemistry – towards understanding wood, fibre and paper deeper knowledge through modern analytical tools" & COST E50 workshop "Cell wall macromolecules and reaction wood", Proceedings, May 19-21, Turku, Finland, 2008.
- ◆ **da Silva Perez, D., Guillemain, A., Petit-Conil, M.** "Some factors influencing the prediction of wood and pulp properties by near infrared spectroscopy", O Papel, vol. 69, n°3, pp 60-75, March 2008.
- ◆ **Dupont, C., Rouge, S., Valin, S., da Silva Perez, D., Berthelot, A., Graffin, A., Labalette, F., Labouée, C., Mithouard, J., Pitocchi, S.**, "Suitability of biomass feedstocks for use in a semi-industrial plant of BtL production by gasification", 16th European Biomass Conference & Exhibition, Proceedings (oral presentation), June 2-6, Valencia, Spain, 2008.
- ◆ **Paiva, J. A. P., Garces, M., Alves, A., Garnier-Géré, P., Rodrigues, J. C., Lalanne, C., Porcon, S., Le Provost, G., da Silva Perez, D., Brach, J., Frigerio, J.-M., Claverol, S., Barré, A., Fevereiro, P., Plomion, C.** "Molecular and phenotypic profiling from the base to the crown in maritime pine wood-forming tissue", New Phytologist, Journal compilation, vol. 178, n°2, pp 283-301, 2008.
- ◆ **da Silva Perez, D., Berthelot, A., Lecourt, M., Guillemain, A., Nougier, P., Petit-Conil, M.** "Performance of selected poplar cultivars for chemical and thermomechanical pulping", ATIP Journal, vol. 61, n°5, pp 6-13, December 2007 – January 2008.

2007

- ◆ **Tapin-Lingua, S., Meyer, V.** "Les techniques de microscopie : application à l'étude des matériaux lignocellulosiques", Fiches Informations-Forêt, n°4-2007, fiche n°757, 6pp.
- ◆ **Lepié, J.C., Dauwe, R., Morreel, K., Storme V., Lapiere, C., Pollet, B., Naumann, A., Kang, K-Y., Kim, H., Ruel, K., Lefèbvre, A., Joseleau, J.-P., Grima-Pettenati, J., de Rycke, R., Andersson-Gunneras, S., Erban, A., Fehrle, I., Petit-Conil, M., Kopka, J., Polle, A., Messens, E., Sundberg, B., Mansfield, S.D., Ralph, J., Pilat, G., Boerjan, W.**, "Downregulation of cinnamoyl-coenzyme A reductase in poplar : multiple-level phenotyping reveals effects on cell wall polymer metabolism and structure", Plant Cell, vol. 19, n°11, pp3669-3691, November 2007 (doc CTP n°2424).
- ◆ **Van Beek, T. A., Kuster, B., Claasen, F.W., Tienvieri, T., Bertaud, F., Lenon, G., Petit-Conil, M., Sierra-Alvarez, R.**, "Fungal bio-treatment of spruce wood with *Trametes versicolor* for pitch control: Influence on extractives contents, pulping process parameters, paper quality and effluent toxicity",

Bioresource Technology, vol. 98, pp 302-311, 2007 (Doc CTP n°2407).

- ◆ **Da Silva Perez, D., Reich, D., Moineau, D., Eymin-Petot-Tourtollet, G., Guillemain, A., Petit-Conil, M.**, "On-line measurement of pulp and fibre quality : sampling and analytical devices". COST E41 workshop, Proceedings (oral presentation), November 22-23, Bled, Slovenia, 2007.
- ◆ **Bertaud, F., Fourest, E., Schelcher, M.**, "Development of an analytical procedure for the characterisation of recalcitrant substances responsible of residual COD in pulp and paper effluents", COST E41 workshop, Proceedings (oral presentation), November 22-23, Bled, Slovenia, 2007 (Doc CTP n°2427).
- ◆ **Fourest, E., Bertaud, F., Schelcher, M.**, "Characterisation of recalcitrant substances responsible for residual COD in effluents", COST E41 workshop, Proceedings (poster presentation), November 22-23, Bled, Slovenia, 2007 (Doc CTP n°2427)..
- ◆ **Burnet A., Marlin N., Carré B., Fabry B., Ayala C., Chirat C.**, "Influence of paper grades and bleaching chemicals on DIP brightness and effluent quality", Progress in paper recycling, pp.5-10, vol.17, n°1, November 2007
- ◆ **Tapin-Lingua, S.**, "Utilisation des biotechnologies dans l'industrie papetière", Fiches Informations-Forêt, n°3-2007, fiche n°753, 6pp.
- ◆ **da Silva Perez, D., Guillemain, A., Alazard, P., Plomion, C., Rozenberg, P., Rodrigues, J. C., Alves, A., Chantre, G.**, "Improvement of Pinus pinaster Ait elite trees selection by combining near infrared spectroscopy and genetic tools", *Holzforschung*, vol. 61, n°6, pp611-622, 2007.
- ◆ **Alves, A., Santos, A., da Silva Perez, D., Rodrigues, J., Pereira, H., Simoes, R., Schwanninger, M.**, "NIR PLSR model selection for kappa number prediction of maritime pine kraft pulps", *Wood Science and Technology*, vol. 41, n°6, pp491-499, 2007.
- ◆ **Serafini, P.M., Bongiovanni, R., Zeno, E.**, "Surface modification of cellulosic fibers by UV light grafting", Third Workshop on Cellulose, regenerated Cellulose and Cellulose Derivatives, Proceedings Paper n°18, November 13-14, 2007, Karlstad, Sweden (Doc CTP n° 2404).
- ◆ **Da Silva Perez, D., Guillemain, A., Petit-Conil, M.**, "Using near infrared and raman spectroscopy to predict wood and pulp properties", *Atip Journal*, vol. 61, n°4, pp21-22, 24-26, 28-31, October 2007 (Doc CTP n°2400).
- ◆ **Petit-Conil, M., Doucet, M.**, "What's new... on chemical pulps", n°2, October 2007 (Document CTP n°2374).
- ◆ **Da Silva Perez, D., Guillemain, A.**, "Potentialities and limitations of near infrared and raman spectroscopy to predict wood and pulp properties", 40th Congress of ABTCP (Associação Brasileira Técnica de Papel e Cellulose), Proceedings on CD-rom, October 2007, Sao Paulo, Brazil.
- ◆ **Brochier, B., Voiron, S., Petit-Conil, M.**, "Better understanding of ozonation during bleaching process ", 14th International Symposium on Wood, Fiber and Pulping Chemistry, Proceedings, June 2007, Durban, South Africa (Doc CTP n° 2362).
- ◆ **Margarido, M., Mortha, G., Nougier, P., Guillemain, A., da Silva Perez, D.**, "Modelling kraft cooking of mixture of wood species : fundamental and applied approaches", 14th International Symposium on Wood, Fiber and Pulping Chemistry, Proceedings, June 2007, Durban, South Africa (Doc CTP n°2361).
- ◆ **da Silva Perez, D., Lecourt, M., Guillemain, A., Nougier, P., Berthelot, A., Petit-Conil, M.**, "Performance of selected poplar cultivars for chemical and thermomechanical pulping", 14th International Symposium on Wood, Fiber and Pulping Chemistry, Proceedings, June 2007, Durban, South Africa (Doc CTP n° 2357).
- ◆ **da Silva Perez, D., Guillemain, A., Alves, A., Schwanninger, M., Pereira, H., Carlos Rodrigues, J.**, "Effect of lignin monomer units ratio on the kraft pulping performance of maritime pine", 14th International Symposium on Wood, Fiber and Pulping Chemistry, Proceedings, June 2007, Durban, South Africa.
- ◆ **Meyer, V., Lecourt, M., Petit-Conil, M.**, "Potential of cellulases in high-yield pulping", 10th International Congress of Biotechnology in the Pulp and Paper Industry, Proceedings Poster EAFM 2.2 pp100, June 12-14, 2007, Madison, USA (Doc CTP n°)
- ◆ **Lecourt, M., Nougier, P., Meyer, V., Petit-Conil, M.**, "Enzymatic treatments allow energy savings during kraft pulps refining", 10th International Congress of Biotechnology in the Pulp and Paper Industry, Proceedings Poster EAFM 2.1 pp97, June 12-14, 2007, Madison, USA (Doc CTP n°)

- ◆ **Hoddenbagn, J.M.A., Meyer, V., Petit-Conil, M., Tolan, J.S.**, "Reducing chip refining energies by enzymatic treatment of hardwood chips prior to refining." 10th International Congress of Biotechnology in the Pulp and Paper Industry, Proceedings Extended abstract IndusApp 2.3 pp53, June 12-14, 2007, Madison, USA (Doc CTP n°2359)
 - ◆ **Tapin-Lingua, S., Meyer, V., Sigoillot, J.-C., Ruel, K., Petit-Conil, M.**, "Potential of feruloyl esterase applied on wheat straw to produce pulp and phenolic compounds" 10th International Congress of Biotechnology in the Pulp and Paper Industry, Proceedings Extended abstract EnzMod 2.1 pp46, June 12-14, 2007, Madison, USA (Doc CTP n° xxxx)
 - ◆ **Limare, A., Joly, C., Dole, P., Meyer, V., Petit-Conil, M., Lanat, L., Kurek, B.**, "Oxalate pre-treatment of wood: an attempt to correlate the modifications of cell wall polymers with the defiberization energy level" 10th International Congress of Biotechnology in the Pulp and Paper Industry, Proceedings Extended abstract BioP/R1.3 pp27, June 12-14, 2007, Madison, USA (Doc CTP n°)
 - ◆ **Lecourt, M., Struga, B., Delagoutte, T., Petit-Conil, M.**, "Saving energy by application of ozone in the thermomechanical pulping process", Tappi International Mechanical Pulping Conference, Proceedings, 6-10 May 2007, Minneapolis, USA (Doc CTP n°2336).
 - ◆ **Lecourt, M., Nougier, P. and Petit-Conil, M.**, "Chip thickness may affect thermomechanical pulp production", Tappi International Mechanical Pulping Conference, Proceedings, 6-10 May 2007, Minneapolis, USA (Doc CTP n°2345).
 - ◆ **Lecourt, M., Nougier, P., Petit-Conil, M.**, "Do separated production lines affect thermomechanical pulping ?", Tappi International Mechanical Pulping Conference, Proceedings, 6-10 May 2007, Minneapolis, USA (Doc CTP n°2347).
 - ◆ **Bertaud, F., Nisula, L., Craperi, D., Lenon, G., Holmbom, B., Curras-Lino, M., Radman, R., Keshavarz, T., Isam Nazer, A., Briandet, R. Ahotupa, M.**, "Interest of recovering wood-wastes from pulp mills for the extraction of high valuable bioactive wood extractives", COST E41 workshop, Proceedings (poster presentation), May 7-8, Rome, Italy, 2007 (Doc CTP n°).
 - ◆ **Lecourt, M.**, "Impact of drying time and temperature on fibres and sheet properties", COST E54 Conference, Proceedings, 25-27 April 2007, Riga, Lettonia.
 - ◆ **Deleuze, C., Bouvet, A., Lecourt, M., Ruiz, J.**, "Diagnostic des données industrielles avec des outils statistiques issus du Data Mining", Atip Journal, vol. 61, n°1, pp22-31, February-March 2007, (Document CTP n°).
 - ◆ **Lepoitevin, C., Cancino, L., Bouffier, L., Eveno, E., Audigeos, D., Paiva, J., Garnier-Géré, P., Léger, V., Raffin, A., Herrera, R., Derory, J., da Silva Perez, D., Alazard, P., Harvengt, L., Plomion, L.**, "Linking gene polymorphism to wood property variation in maritime pine", 15th International Conference of the Plant Genome, Proceedings, 13-18 January 2007 San Diego, CA, USA.
 - ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°25, January 2007 (Document CTP n°2324).
- 2006**
- ◆ **De Morogues, F., Da Silva Perez, D.** "Biocarburants : enjeux et perspectives pour la filière bois.", Forêt Entreprise , 2006, n° 169, p. 55-58 et Le Bois International , 2006, n° 14, p. 11-14.
 - ◆ **Da Silva Perez, D., Guillemain, A., Moreau, J.**, "Caractérisation d'espèces résineuses et feuillues pour la mise en pâte kraft.", Fiches Informations-Forêt, n°3-2006, fiche n°735, 6pp.
 - ◆ **Da Silva Perez, D., Nougier, P., Guillemain A., Chantre, G., Rozenberg, P.** "Improvement of pulp physical properties prediction by coupling NIRS and microdensitometry analysis of wood", European Seminar on Infrared Spectroscopy, Poster presentation, Abstracts Book, 4-6 april 2006, Lyon.
 - ◆ **Da Silva Perez, D., Guillemain A.**, "Effect of wood sampling technics on the performance of NIRS calibrations for pulpwood characterisation", European Seminar on Infrared Spectroscopy, Poster presentation, Abstracts Book, 4-6 april 2006, Lyon.
 - ◆ **Da Silva Perez, D., Guillemain A., van Heiningen, A.**, "How to estimate pulp yield in industrial conditions ?", Tappi Growing Yield from the Ground Up Symposium, Proceedings pp257-258, 16-17 May 2006, Atlanta, USA.
 - ◆ **Lecourt, M., Bouvet, A., Deleuze-Brézins, C.**, "Modelling TMP fibre morphology and pulp properties from wood and forest data: the example of Norway spruce", New Zealand

Journal of Forestry Science, vol. 36, n°2/3, pp435-451, 2006.

- ◆ **Hernadi, A. Lele, I., Rab, A., Vig, A. Lepenye, G Janowszky, J., Brochier, B.**, "New annual plant (industrial grass) as raw material for pulp and paper industry", EUCEPA supported international symposium, Challenges of pulp and papermaking technology, Proceedings Paper 8, 8-10 November 2006, Bratislava, Slovak Republic (Doc CTP n° 2318).
- ◆ **Voiron, S., Lachenal, D.**, "Adsorption of lignin on the fibres during kraft cooking: impact on bleaching ability", 9th European Workshop on Lignocellulosics and Pulp, Advances in Chemistry and Processing of Lignocellulosics, Proceedings Poster Presentation pp568-571, 27-30 August 2006, Vienna, Austria (Doc CTP n°2300).
- ◆ **Bertaud, F., Craperi, D.**, "Multi-purpose applications of bioactive wood components from knots and barks: assessment of innovative exploitation of industrial wood pulping by-products", 9th European Workshop on Lignocellulosics and Pulp, Advances in Chemistry and Processing of Lignocellulosics, Proceedings, 27-30 August 2006, Vienna, Austria (Doc CTP n°2340).
- ◆ **Da Silva Perez, D., Nougier, P., Guillemain, Chantre, G. Rodriguez, J.C., Petit-Conil, M.**, "How does wood variability impact kraft pulping?", 9th European Workshop on Lignocellulosics and Pulp, Advances in Chemistry and Processing of Lignocellulosics, Proceedings Poster Presentations pp220-223, 27-30 August 2006, Vienna, Austria (Doc CTP n° 2299).
- ◆ **Da Silva Perez, D., Guillemain, A., Harvengt, L., Plomion, C., Rodriguez, J.C., Chantre, G.**, "Improvement of wood elite trees selection by combining near infrared spectroscopy and genetic tools", 9th European Workshop on Lignocellulosics and Pulp, Advances in Chemistry and Processing of Lignocellulosics, Proceedings pp35-38 27-30 August 2006, Vienna, Austria.
- ◆ **Muenster, H., Ferritsius, O., Lecourt, M., Petit-Conil, M.** "High temperature LC/MC refining offers TMP energy advantages", Pulp&Paper, vol. 79, n°7, pp44-49, July 2006 (Doc CTP n° 2296)
- ◆ **Tapin, S., Sigoillot, J.C., Asther, M., Petit-Conil, M.**: "Feruloyl esterase utilization for simultaneous processing of nonwood plants into phenolic compounds and pulp fibers, Journal of

agricultural and food chemistry, vol. 54 n°10, pp3697-3703, 17 May 2006 (Doc CTP n° 2302).

- ◆ **Rodrigues, J., Alves, A., Pereira, H., Da Silva Perez, D., Chantre, G., Schwanninger M.**, "NIR PLSR results obtained by calibration with noisy, low-precision reference values : are the results acceptable", *Holzforschung*, vol. 60, pp402-408, 2006.
- ◆ **Lecourt, M., Petit-Conil, M., Nougier, P.**, "Potential of various species to produce thermo mechanical pulp", *ATIP*, vol 60, n°2, pp20-25, June-July 2006 (Doc CTP n° 2xxx).
- ◆ **Petit-Conil, M.**, "Apport des biotechnologies enzymatiques en papeterie", ValoFibres Réunion Plénière, Les Biotechnologies appliquées aux fibres végétales, Compiègne, France, May 11, 2006 (Doc CTP 2271).
- ◆ **Brochier, B., Kuligowski, C., Voiron, S., Petit-Conil, M.**, "Overview of the use of ozone in the pulp and paper industry", *Ozone : Science & Engineering / Ozone news*, vol 34 n°6, pp21-28, December 2006 (Doc CTP 2254).
- ◆ **Girard, R. D., Hoddenbagh, J.M.A. and Petit-Conil, M.**, "Enzymatic treatment of hardwood chips reduces refining energy in mechanical pulping", PAPTAC Annual Meeting, Proceedings, February 6-10, 2006 – Montreal, Canada (Doc CTP n°2218).

2005

- ◆ **Da Silva Perez, D., Guillemain, A., Moreau, J.**, "Caractérisation du bois et des pâtes à papier par spectroscopie proche infrarouge", *Fiches Informations-Forêt*, n°4-2005, fiche n°719, 6pp.
- ◆ **De Morogues, F., da Silva Perez, D.**, *Biocarburants : enjeux et perspectives pour la filière bois*, *Fiches Informations-Forêt*, n°4-2005, fiche n°721, 6pp.
- ◆ **Lecourt, M.**, "How do fibres properties interact with pulp properties?", Cost E40 conference, Large diameter timber – problem or chance?, Biel, Switzerland, December 5- 6, 2005
- ◆ **Meyer, V.**, "Chemical staining and immunolabelling of xylans to visualize the ultrastructure of fibre wall", Second Workshop on Cellulose and Cellulose Derivatives, Karlstad, Sweden, November 22-23, 2005.
- ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°24, November 2005 (Document CTP n°2212).

- ◆ **Chantre, G., da Silva Perez, D., Najar, M., Nougier, P.** “Managing the paper properties of the forest resources in the Landes de Gascogne (South West of France): validation of models and transfer of operational solutions for the maritime pine pulp mills.”, 5th workshop IUFRO 5.01.04 “Connection between forest resources and wood quality: modelling approaches and simulation software”, November 20-27, 2005, Auckland, New Zealand.
- ◆ **Lecourt, M., Deleuze-Brezins, C., Bouvet A.**, “Modelling TMP fibre morphology and pulp properties from wood and forest data: the example of Norway spruce”, 5th workshop IUFRO 5.01.04 “Connection between forest resources and wood quality: modelling approaches and simulation software”, November 20-27, 2005, Auckland, New Zealand.
- ◆ **Leroy, N.**, “Blanchiment des pâtes à papier“, Fiches Informations-Forêt, n°2-2005, fiche n°711, 6pp.
- ◆ **Petit-Conil, M., Hoddenbagh, J.M.A., and Tolan, J.**, “Method for mechanical pulp production”, Patent application PCT WO 2005/106110 A1, International Application Number PCT/CA2005/000674, International Publication Date: 10 November 2005.
- ◆ **Lecourt, M., Nougier, P.**, “L’analyse morphologique des fibres“, Informations-Forêt, n°1-2005, Fiche n°704, pp6.
- ◆ **Petit-Conil, M.**, “Saving energy by application of an ozone treatment in the mechanical pulping process”, EFPGDays 2005 Last developments in pulp bleaching – Ozone bleaching – Chemical modification of fibers, Proceedings Paper 9, 13pp, October 11-12, 2005, Grenoble, France (Doc CTP n°2233).
- ◆ **Lachenal, D., Chirat, C., Benattar N., Hamzeh, Y., Marlin, N., Michaud, C., Brochier, B.**, “Reasons for bleachability problems and ways to resolve them”, EFPGDays 2005 Last developments in pulp bleaching – Ozone bleaching – Chemical modification of fibers, Proceedings Paper, pp, October 11-12, 2005, Grenoble, France (Doc CTP n°2234).
- ◆ **Meyer, V., Ruel, K., Kurek, B. and Petit-Conil, M.**, “Oxalate: a microbial metabolite of interest for the pulping industry”, ATIP vol.59 n°4, pp2-7, October 2005 (Doc CTP n°2219).
- ◆ **Kuligowski, C., Brochier, B., Petit-Conil, M., Housen, I.**, “Development and optimization of biotechnology use in the manufacture of bleached chemical pulps”, TAPPI Engineering, Pulping and Environmental Conference, Proceedings pp, August 28-31, 2005, Philadelphia, USA (Doc CTP n°2231)
- ◆ **Brochier, B., Kuligowski, C. and Petit-Conil, M.**, “Overview of the use of ozone in the pulp and paper industry”, IOA3G International conference, proceedings, pp, August 22-25, 2005, Strasbourg, France (Doc CTP n°2232)
- ◆ **Voiron, S., Kuligowski, C., Berthomé, G. and Lachenal, D.**, “Impact of chromophores in chemical pulps on bleachability”, 2005 International Pulp Bleaching Conference, Proceedings pp 288-291, June 14-16, 2005 Stockholm, Sweden (Doc CTP n°2183).
- ◆ **Kuligowski, C., Brochier, B. and Petit-Conil, M.**, “New ways to use ozone in bleaching sequences : ozonated water as last bleaching stage”, 2005 International Pulp Bleaching Conference, Proceedings pp 284-287, June 14-16, 2005, Stockholm, Sweden (Doc CTP n° 2182).
- ◆ **Lachenal, D., Chirat, C., Benattar N., Hamzeh, Y., Marlin, N., Michaud, C., Brochier, B.**, “Influence of pulp colour on bleachability. Ways to improve the bleaching response of alkaline pulp”, 2005 International Pulp Bleaching Conference, Proceedings pp181-187, June 14-16, 2005, Stockholm, Sweden et ATIP vol.59 n°3, pp6-11, August-September 2005, (Doc CTP n° 2214).
- ◆ **Struga, B., Delagoutte, T. and Petit-Conil, M.**, “Dissolved air flotation as a way to remove colloidal wood resin in mechanical pulps mill process water” , International Mechanical Pulping Conference, Proceedings, June 7-9, 2005 – Oslo, Norway (Doc CTP n°2191).
- ◆ **Fabry, B., Lecourt, M. and Petit-Conil, M.**, “Influence of F3 chip fraction on TMP process and pulp quality” , International Mechanical Pulping Conference, Proceedings pp278-283, June 7-9, 2005 – Oslo, Norway (Doc CTP n°2192).
- ◆ **Petit-Conil, M., Hoddembagh, J.M.A., Meyer, V. and Tolan, J.**, “Can enzymes really be used to reduce chip refining energies? A study of xylanase pre-treatment of hardwood chips”, International Mechanical Pulping Conference, Proceedings pp233-239, June 7-9, 2005 – Oslo, Norway (Doc CTP n°2193).
- ◆ **Muenster, H., Ferritsius, O., Lecourt, M. and Petit-Conil, M.**, “Energy savings in TMP by high temperature LC/MC refining”, International Mechanical Pulping Conference, Proceedings

pp219-223, June 7-9, 2005 – Oslo, Norway (Doc CTP n°2194).

- ◆ **Meyer, V., Ruel, K., Kurek, B. and Petit-Conil, M.**, “Oxalate pretreatment of poplar and spruce chips before mechanical pulping: energy savings related to biochemical and ultrastructural modifications”, International Mechanical Pulping Conference, Proceedings pp102-106, June 7-9, 2005 – Oslo, Norway (Doc CTP n°2195).
- ◆ **Da Silva Perez, D., Chantre, G., Rodrigues, J.C., Plomion C., Robin, E.**, “Wood chemical composition and kraft pulping performance of native maritime pine from different origins”, 13th International Symposium on Wood fibres and Pulping Chemistry, Proceedings vol. 3, Paper 15, pp93-99, May 16-19, 2005, Auckland, New Zealand
- ◆ **Tapin, S., Sigoillot, J.C., Asther, M., Petit-Conil, M.**, “Valorisation of wheat and flax straws by the production of chemical pulp fibres and phenolic compounds”, 13th International Symposium on Wood fibres and Pulping Chemistry, Proceedings vol. 3 pp391-395, May 16-19, 2005, Auckland, New Zealand (Doc CTP n°2188)
- ◆ **Voiron, S., Kuligowski, C. and Lachenal, D.**, “Towards a better understanding of bleachability problems: impact of the chromophores in chemical pulps”, 13th International Symposium on Wood fibre and Pulping Chemistry, Proceeding vol.3 pp – May 16-19, 2005 – Auckland, New Zealand (Doc CTP n°2176)

2004

- ◆ **Lecourt, M.**, “La mise en pâte mécanique”, Fiches Informations-Forêt, n°2-2004, Fiche n°688, pp6.
- ◆ **Brochier, B., Laurent, A. and Petit-Conil, M.**, “Bleaching of green jute chemical pulps based on biotechnological treatments”, 2nd International dissemination workshop of finding of the project “biotechnological application on enzymes for making paper and pulp from green jute/kenaf”, November 18-19, 2004 – Hyderabad, India (Doc CTP n°2171)
- ◆ **Chantre, G., Da Silva Perez, D., Najar, M., Nougier, P.**, Wood supply strategies to enhance the maritime pine Kraft pulp quality. TAPPI Fall conference, Atlanta, USA, October 31-November 3, 2004.
- ◆ **Meyer, V., Ruel, K., Gaudard, F., Valtat, G., Petit-Conil, M. and Kurek, B.**, “Oxalic acid : a

microbial metabolite of interest for the pulping industry”, Académie des Sciences – Paris, Comptes Rendus Biologies, tome 327, fascicule 9-10, pp 917-925, Septembre-Octobre 2004 (Doc CTP n° 2170).

- ◆ **Meyer, V., Ruel, K., Petit-Conil, M., Valtat, G. and Kurek, B.**, “Modification of the cell wall structure by oxalate associated with energy savings during mechanical pulping”, 9th International Conference on Biotechnology in the pulp and paper industry, Durban, South Africa, Book of abstracts, O13.1 pp95-96, 10-14 October 2004 (Doc CTP n°2156)
- ◆ **Benattar, N., Chirat, C., Lachenal, D., Achren, S., Brochier, B. and Kuligowski, C.**, “Study of the bleaching ability of the pulps produced by the “I.D.E.” sulphur-free cooking process” Paperi ja Puu - Paper and Timber, Vol.86, N°6, pp 441-444 - October 2004 (Doc CTP n°2152)
- ◆ **Huber, P., Carré, B., Petit-Conil, M., Fabry, B. and Bhattacharjee, S.**, “Effect of the deinking process on physical properties of wood-free secondary fibres” PAPTAC/TAPPI, 7th Research Forum on Recycling, September 27-29, 2004- Quebec, Canada (Doc CTP n°2144).
- ◆ **Jouanin, L., Goujon, T., Sibout, R., Pollet, B., Mila, I., Lepié, J.C., Pilate, G., Petit-Conil, M., Ralph J., Lapierre, C.**, “Comparison of the consequences on lignin content and structure of COMT and CAD downregulation in poplar and *Arabidopsis thaliana*”, Plantation Forest Biotechnology for the 21st century, pp219-229, Christian Walter and Mike Carson Editors, Research Signpost, Kerela, India, 2004 (Document CTP n°2124).
- ◆ **Passas, R., Lecourt, M., Nougier, P., Minko, W., Khelifi, B.**, “Influence of repulping on morphological properties of pulps”, ATIP, vol. 58 n°4, pp6-13, August-September 2004 and La Papeterie, n°263, Suppl. Revue ATIP, pp6-13, August-September 2004.
- ◆ **Benattar, N., Brochier, B. and Lachenal, D.**, “Influence of quinone groups in sulphur-free pulp on their bleaching ability” – Poster presented at EWLP- European Workshop on Lignocellulosics and Pulps, Riga, August 22-25, 2004 (Document CTP n°2153).
- ◆ **Kuligowski, C., Brochier, B., Petit-Conil, M.**, “New ways to use ozone in bleaching sequences: use of ozonated water at a last bleaching stage”, EWLP- European Workshop on Lignocellulosics and Pulps, August 22-25, 2004, Riga, Latvia (Document CTP n°2148).

- ◆ **Voiron, S., Kuligowski, C., Berthomé, G., Lachenal, D.**, "Origin of chromophores leading to pulp bleachability problems", EWLP-European Workshop on Lignocellulosics and Pulps, Riga, August 22-25, 2004 (Document CTP n°2145).
- ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°23, July 2004 (Document CTP n°2116).
- ◆ **Petit-Conil, M.**, "Efficient silicate-free hydrogen peroxide bleaching of mechanical pulps", ATIP, Vol. 58, n°5, pp22-31, October 2004, (Document CTP n°2113)
- ◆ **Dahl, O., Brochier, B., Niinimäki, J. and Sillanpää, M.**, "Reducing chloride ions formation in the first D stage of ECF bleaching" Pulpaper 2004 conference, June 1-3, 2004 Helsinki, Finland. (Document CTP n° 2121).
- ◆ **Chirat, C., Nyangiro, D., Lachenal, D. and Struga, B.:** "Use of ozone to increase kraft pulp yield" EFPG Days, April 27-28, 2004 – Grenoble, France (Document CTP n° 2123).
- ◆ **Julien Saint Amand, F, Perrin, B., Ottenio, P.**, "Optimisation of chemical pulp fractionation and use of softwood fibres as reinforcement pulp", Journée ATIP "Préparation des mélanges de pâtes et optimisation du raffinage: facteurs clés pour la productivité et la qualité", Grenoble, 29 Avril 2004.
- ◆ **Hernadi, A., Lele, I., Brochier, B.**, "Comparison of the different bleaching sequences in case of straw pulp bleaching", Papiřipar, vol. 48, n°2, pp60-65, March-April 2004 (Document CTP n°2112).
- ◆ **Kuligowski, C., Brochier, B., Garnier, N., Mary, G.**, "New ways to use ozone in bleaching sequences of chemical pulps: use of ozonated water at a last bleaching stage", IOA-EA₃G International Conference, March 10-12, 2004 Barcelona, Spain (Document CTP n° 2103).
- ◆ **Da Silva Perez, D., Chantre, G.**, "Evolution de la qualité papetière des chablis feuillus", Fiches Informations-Forêt, n°1-2004, Fiche n°683, 6pp. pp445-448, November 2003 (Document CTP n°2101).
- ◆ **Baptista, C., Duarte, A.P., Simoes, R., Chirat, C., Matéo, C. and Brochier, B.**, "Behaviour of pinus pinaster in ECF and TCF Bleaching sequences – pilots trials". 28th EUCEPA Conference, April 2-4, 2003, Lisboa, Portugal (Document CTP n°2120).
- ◆ **Brochier, B., Laurent, A., Petit-Conil, M.**, "Making pulp and paper from whole jute using chemical and biochemical processes", Cost E23 workshop Biotechnology for a sustainable pulp and paper industry, Viterbo, Italy, Proceedings pp15-27, November 10-12, 2003 (Document CTP n° 2100).
- ◆ **Da Silva Perez, D., Médina, S., Fauchon, T., Lecourt, M., Deleuze-Brézins, C.**, "Kraft cooking behaviour of wood species in mixture" 4th Biennial Johan Gullischen Colloquium, Espoo, Finlande, September 2003.
- ◆ **Baucher, M., Halpin, C., Petit-Conil, M., Boerjan, W.**, "Lignin: genetic engineering and impact on pulping", Critical Reviews in Biochemistry and Molecular Biology, 38: 305-350, 2003 (Document CTP n° 2099).
- ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°22, July 2003 (Doc CTP 2095).
- ◆ **Da Silva Perez, D., Guillemain, A., Bouvet, A., Rodrigues, J.C., Chantre, G.**, "Near Infrared spectroscopy as a tool for the study of genetic determinism in maritime pine (*Pinus pinaster Ait*)", 12th International Symposium on Wood and Pulping Chemistry, Madison, USA, June 2003.
- ◆ **Lecourt, M., Deleuze-Brezins, C., Fauchon, T., Themelin, A., Lindqvist S.O., Grahn, T., Wilhelmsson L., Arlinger J.**, "Modeling TMP fibre morphology and pulp properties from wood and forest data: the example of Norway spruce significant", International Mechanical Pulping Conference, Québec City, Canada, Proceedings pp67-74, June 2-5, 2003.
- ◆ **Julien Saint Amand, F., Perrin, B.**, "Characterisation and simulation of fibre separation in screens and cleaners", International Mechanical Pulping Conference, Québec City, Canada, Proceedings pp, June 2-5, 2003 (Document CTP n° 2086).
- ◆ **Eymin Petot Tourtollet, G., Cottin, F., Cochaux, A., Petit-Conil, M.**, "The use of MorFi analyser to characterise mechanical pulps", International Mechanical Pulping Conference, Québec City, Canada,

2003

- ◆ **Lecourt, M., Pizzi, A., Humphrey, P.**, "Comparison of TMA and ABES as forecasting systems of wood bonding effectiveness", Holzforschung, vol. 61, pp75-76, 2003.
- ◆ **Huber, P., Martinez, M.**, "An estimate of the lever of fibre crowding for polydisperse suspensions", Appita Journal, vol. 56, n°6,

Proceedings pp225-232, June 2-5, 2003 (Document CTP n°2085).

- ◆ **Fabry, B., Petit-Conil, M.**, "Comparison between Douglas fir and spruce TMP in pilot scale: is it possible to reach similar properties?", International Mechanical Pulping Conference, Québec City, Canada, Proceedings pp197-204, June 2-5, 2003 (Document CTP n°2083).
- ◆ **Petit-Conil, M., Laurent, A.**, "Bleaching behaviour of softwood TMP, PGW or CTMP fibre fractions", International Mechanical Pulping Conference, Québec City, Canada, Proceedings pp105-114, June 2-5, 2003 (Document CTP n°2082).
- ◆ **Lecourt, M., Fauchon, T., Deleuze-Brezins, C., Themelin, A., Wilhelmsson, L., Arlinger, J., Lunqvist, S.O., Hedenberg, Ö.**, "Modeling mechanical pulp properties from wood fiber and forest data", 2nd Forest Engineering Conference, May 12-15, 2003, Växjö, Sweden.
- ◆ **Petit-Conil, M.**, "Use of ozone in mechanical pulping processes", Atip Journal vol 57 n°2, pp17-26, May-June 2003 (Document CTP n°2081).
- ◆ **da Silva Perez, D., Themelin, A., Alazar, P., Berthelot, A.**, "Genetic determinism of pulp and paper properties. Examples of maritime pine and poplar programs", EFPG Days, Proceedings Paper 7, April 8-9, 2003, Grenoble, France.
- ◆ **Lecourt, M., da Silva Perez, D., Deleuze-Brezins, C.** : "Effect of wood species mixtures on kraft pulping", EFPG Days, Proceedings Paper 6, April 8-9, 2003, Grenoble, France.
- ◆ **Petit-Conil, M.**, "Analysis of fibres for a better understanding of the impact of mechanical pulping processes", EFPG Days, Proceedings Paper 4, April 8-9, 2003, Grenoble, France.
- ◆ **Moreau, J., Nougier, P., Da Silva Perez, D., Chantre, G.**, "Conservation of maritime pine windthrows in south west of France", 28th EUCEPA Conference, April 2-4, 2003, Lisboa, Portugal.
- ◆ **Matéo, C., Rousseau, C., Chirat, C., Lachenal, D.**, "Influence of precipitated lignin on pulp bleachability", 28th EUCEPA Conference — Lisboa, Portugal (Doc CTP 2080).

2002

- ◆ **Petit-Conil, M., Bertaud, F., van Beek, T., Tienvieri, T., Lenon, G.**, "Fungal treatment of spruce wood for pitch control during mechanical pulping", Cost E23 Workshop Biotechnology for improving pulp & paper processing, Grenoble, November 28-29 2002, Proceedings Session 4, paper 16, 11p (Doc CTP 2072).
- ◆ **Fabry, B., Petit-Conil, M.**, "Treatment to be needed for using Douglas fir in the production of mechanical pulps", Cost E23 Workshop Biotechnology for improving pulp & paper processing, Grenoble, November 28-29 2002, Proceedings Poster Presentations (Doc CTP 2071).
- ◆ **De la Macorra, C., Villar, J.C., Petit-Conil, M.**, "Comparacion de pastas «APRM» de *E. globulus* y *P. radiata*", 35° Iberoamerican congress on pulp and paper research, CIADICYP 2002, Campinas, Sao Paulo, Brasil, October 10-12, 2002 (Doc CTP 2079).
- ◆ **O'Connell, A., Holt, K., Piquemal, J., Grima-Pettenati, J., Boudet, A., Pollet, B., Lapierre, C., Petit-Conil, M., Schuch, W., Halpin, C.**, "Improved paper pulp from plants with suppressed cinnamoyl-CoA reductase or cinnamyl alcohol dehydrogenase", Transgenic Research, vol 11, n°5, pp495-503, October 2002 (Doc CTP 2076).
- ◆ **Bertaud, F., Lenon, G., Deschamps, C., Prasse, S.**, "Fungal treatment of spruce wood for pitch control during TMP process: other advantage as detoxification of process effluents", 7th European Workshop on Lignocellulosics and Pulp, Proceedings, 4pp, August 26-29, 2002, Turku, Finland (Doc CTP 2326).
- ◆ **Boerjan, W., Meyermans, H., Cuiying, C., Baucher, M., Van Doorselaere, J., Morreel, K., Messens, E., Lapierre, C., Pollet, B., Jouanin, L., Leplé, J.-C., Ralph, J., Marita, J., Guiney, E., Schuch, W., Petit-Conil, M., Pilate, G.**, "Lignin biosynthesis in poplar: genetic engineering and effects on kraft pulping", Molecular Breeding of Woody Plants, n°18, pp187-194, 2001 (Doc CTP 2053).
- ◆ **Petit-Conil, M.**, "What's new... on high-yield pulps", n°21, July 2002 (Doc CTP 2058).
- ◆ **Pilate, G., Guiney, E., Holt, K., Petit-Conil, M., Lapierre, C., Leplé, J.C., Pollet, B., Mila, I., Webster, E. A., Marstorp, H. G., Hopkins, D. W., Jouanin, L., Boerjan, W., Schuch, W., Cornu, D., Halpin, C.**, "Field and pulping performances of transgenic trees with altered lignification", Nature Biotechnology, volume 20, pp607-612, June 2002 (Doc CTP 2054).

- ◆ **Chantre, G., Rozenberg, P., Baonza, V., Macchioni, N., Le Turcq, A., Rueff, M., Petit-Conil, M., Heois, B.,** "Genetic selection within Douglas fir (*Pseudotsuga menziesii*) in Europe for papermaking uses", *Annals of Forest Science*, 59: 583-593, 2002 (Doc CTP n°2074).
 - ◆ **Chantre, G., Da Silva Perez, D.,** "Variabilité naturelle des fibres du pin maritime et conséquences industrielles", *De la forêt cultivée à l'industrie de demain - Pin maritime : De la fibre aux matériaux. VI^{ème} Colloque ARBORA ;* Bordeaux, France, Mars 2002.
 - ◆ **Pot, D.G., Chantre, G, Raffin, A., Rodrigues, J.C., Da Silva Perez, D., Plomion, C., Rozenberg, P.,** "Perspectives d'amélioration génétique de la qualité du bois du pin maritime", *De la forêt cultivée à l'industrie de demain - Pin maritime : De la fibre aux matériaux. VI^{ème} Colloque ARBORA, Bordeaux, France, Mars 2002.*
 - ◆ **Mateo, C., Cardona-Barrau, D., Chirat, C., and Lachenal, D.,** "Use of EPR spectroscopy in pulp analysis", *ATIP, Vol. 56, n°1, pp 26-29, 2002.* (Doc CTP 2010).
 - ◆ **Chirat, C., Mateo, C., Furstoss, H., Jeunet, A., and Lachenal, D.,** "Formation of chromophores from carbohydrates during pulping and their impact on bleaching", *Pulp and Paper Canada, 103 :2, 28-30, 2002.* (Doc CTP 1985)
- 2001**
- ◆ **Mateo, C., Cardona-Barrau, D., Chirat, C., Jeunet, A., Lachenal, D.,** "EPR Spectroscopy used for lignocellulosics products characterization", *Grenoble Workshop on Advanced Methods for Lignocellulosics and Paper Products Characterization 2001, Grenoble, Proceedings p 63.* (Doc CTP 2010)
 - ◆ **Mateo, C., Aït-Ouaret, R., Chirat, C., Jeunet, A., Lachenal, D.,** "Nature and removal of the last colored chromophores in kraft pulps", *11th International Symposium on Wood and Pulp Chemistry 2001, Nice, Proceedings Vol. III, p 453.*(Doc CTP 2009)
 - ◆ **Mateo, C., Aït-Ouaret, R., Chirat, C., Jeunet, A., Lachenal, D.,** "Nature and removal of the last colored chromophores in kraft pulps", *Nordic Pulp and Paper Research Journal, vol.16, n°4, pp 385-388, 2001.*(Doc CTP 2039)
 - ◆ **Lachenal, D., Chirat, C., Mateo, C.,** "Novel bleaching technologies. Getting the best from current bleaching chemicals", *17th Brazilian Symposium on the Chemistry of Lignin and Wood Components 2001, Brazil.* (Doc CTP 2044)
 - ◆ **Sigoillot, J.C., Petit-Conil, M., Herpoël, I., Joseleau, J.P., Ruel, K., Kurek, B., de Choudens, C., Asther, M.,** "Energy saving with fungal enzymatic treatment of industrial poplar alkaline peroxide pulps", *Enzyme and Microbial Technology, vol.29, pp160-165, 2001* (Doc CTP 2043).
 - ◆ **Lado, E., Turtureanu, C., Petit-Conil, M.,** "The effect of beating on the characteristics of chemical pulp fibres", *Cost E11 Final workshop, Espoo, Finland, Poster Presentations, October 4-5, 2001.*
 - ◆ **Petit-Conil, M., Brochier, B., Labalette, F., Combette, P.,** "Potential of wheat straw to produce chemimechanical pulps suited for corrugating papers manufacture", *2001 Tappi Pulping Conference, Seattle, November 4-7, 2001, Proceedings session 28, Paper 28-1, 11p* (Doc CTP 2022).
 - ◆ **Thieule, J.M., Guillemain, A., Rodrigues, J.C., Lloyd Jones, G., Cahalan, C., Chantre, G.,** "Application of NIRS to the prediction and the analysis of chemical wood components and paper properties", *International Symposium on Wood and Pulping Chemistry, Nice, June 11-14, 2001, Proceedings Oral Presentations, volume III : Poster Presentations & ATIP. 559-562, 2001.*
 - ◆ **Jouanin, L., Goujon, T., Sibout, R., Pollet, B., Mila, I., Maba, B., Ralph, J., Petit-Conil, M., Lapierre, C.,** "Tuning lignin structure through genetically silencing, restoring or increasing caffeic acid o-methyltransferase activity: evaluation with poplar and *Arabidopsis thaliana* models", *11th International Symposium on Wood and Pulping Chemistry, Nice, June 11-14, 2001, Proceedings Oral Presentations, volume I, pp25-28, (Doc CTP 1995).*
 - ◆ **Montiel-Delgado, M-D., Ruel, K., Petit-Conil, M., Joseleau, J-P.,** "Immunological probes for the characterization of lignin sub-units in lignocellulosic materials, Grenoble Workshop on advanced methods for lignocellulosics and paper products characterization", *Post-Symposium of the 11th International Symposium on Wood and Pulping Chemistry, Grenoble, Post Symposium, June 18-19, 2001, Proceedings Poster Presentations pp175-177, (Doc CTP 2007).*
 - ◆ **Pinson, V., Petit-Conil, M., Kurek, B., Ruel, K., Valtat, G.,** "Pretreatment of poplar chips by MnO₂/oxalate complex before mechanical pulping: impact on energy consumption and cell

wall components content and structure", 11th International Symposium on Wood and Pulping Chemistry, Nice, June 11-14, 2001, Proceedings volume II, Poster Presentations pp231-234, (Doc CTP 2006).

- ◆ **Julien Saint Amand, F., Perrin, B.,** "Fundamental aspects of mechanical pulp screening" – 22nd International Mechanical Pulping Conference, June 4-8, 2001, Helsinki (Doc CTP 2005).
- ◆ **Petit-Conil, M.,** What's new... on high-yield pulps, n°20, 2001 (Doc CTP 2001).
- ◆ **Herpoël, I., Heinz, J., Fang, G., Petit-Conil, M., Bourbonnais, R., Robert, J.L., Asther, M., Sigoillot, J.C.,** "Efficient enzymatic delignification of wheat straw pulp by a sequential xylanase-laccase treatment", Journal of Pulp and Paper Science, vol 28 n°3 pp67-71, March 2002 (Doc CTP 2045).
- ◆ **Julien Saint Amand, F., Perrin, B.:** "Fundamental aspects of mechanical pulp screening", 22nd International Mechanical Pulping Conference, Paper 1, Session 4, Helsinki, June 4-8, 2001 (Doc CTP 2005).
- ◆ **Fauchon, T., Dahlqvist, G., Mraz, P., Cleuet, J.C., Chantre, G.,** "A new TRMP pilot unit to assess cause and effect relationships between wood and fibre properties and mechanical pulp quality", 22nd International Mechanical Pulping Conference, Helsinki, Finland, Proceedings volumes 1, 2, 2B : 133-141, June 4-8, 2001,
- ◆ **Petit-Conil, M., Cleuet, J.C., Fournier, R.,** "Plug screw feeder or directional plates to improve RMP and TMP quality?", 22nd International Mechanical Pulping Conference, Helsinki, Proceedings, volume 1 pp175-184, June 4-8, 2001 (Doc CTP 1994).
- ◆ **Kurek, K., Gaudard, F., Cathala, B., Durot, N., Meyer-Pinson, V., Lequart, C., Lapierre, C., Pollet, B., Ruel, K., Valtat, G., Petit-Conil, M., Monties, B.,** "Cell wall and fiber modification by oxalic acid: a biochemical and ultrastructural study", 8th International Conference on Biotechnology in the Pulp and Paper Industry, Helsinki, Proceedings pp, June 4-8, 2001 (Doc CTP 1993).
- ◆ **Petit-Conil, M., Semar, S., Niku-Paavola, M.-L., Sigoillot, J.-C., Asther, M., Anke, H., Viikari, L.,** "Potential of laccases in softwood-hardwood high-yield pulping and bleaching", 8th International Conference on Biotechnology in the Pulp and Paper Industry, Helsinki, Progress in Biotechnology volume 21 pp193-201, edited by Elsevier, June 4-8, 2001 (Doc CTP 1992).

- ◆ **Médina, S., Deleuze-Brezins, C.,** "Characterization and competitiveness of the French wood supply for the kraft pulp manufacturers: mixed hardwood kraft pulp: modelling and optimizing", Birkeland R. & Chantre G. Ed. 4th meeting COST E10 "Wood Properties for Industrial Uses", Bordeaux, France March 7-9, 2001.

2000

- ◆ **Eymin-Petot-Tourtollet, G.,** "A new tool for pulp analysis : MorFi", Cost E11 Workshop Characterisation Methods for Fibres and Paper, Grenoble, France, Proceedings Tome 1, Session 2, 13pp, November 30-December 1, 2000.
- ◆ **Chirat, C., de La Chapelle, V. and Lachenal, D.,** "Origine du jaunissement à la chaleur de certaines pâtes chimiques blanchies", Revue ATIP vol 54, n°2, avril-juin 2000, (Doc CTP 1983).
- ◆ **Julien Saint Amand, F., Perrin, B.,** "Basic parameters of fibres and shives separation in pressure screens" – 3rd Fundamental Mechanical Pulp Research Seminar, 20 June, 2000, Helsinki (Finland).
- ◆ **Petit-Conil, M., Chirat, C., Lapierre, C., Pollet, B., Mila, I., Jouanin, L., Guiney, E., Schuch, W., Boerjan, W., Leple, J.C., and Pilate, G.,** "Designing lignin structure for modifying pulping processes. Application to poplar trees" – Tappi Pulping Conference, 5/9 November, 2000, Boston (USA) (Doc CTP 1978).
- ◆ **Julien Saint Amand, F., Perrin, B.,** "Fundamentals of screening : Effect of screen plate design" Tappi Pulping Conference, 5/8 November, 2000, Boston (USA) (Doc CTP 1971)
- ◆ **Anke, H., Semar, S., Heinzkill, M., Viikari, L., Niku-Paavola, M.L., Messner, K. and Petit-Conil, M.,** "Screening of basidiomycetes and ascomycetes for the production of laccases and the potential of the enzymes in pulp and paper making" – Tappi Pulping Conference, 5/9 November, 2000, Boston (USA) (Doc CTP 1979).
- ◆ **Chirat, C. and Lachenal, D.,** "ClO₂ Splitting in chlorine dioxide delignification" - Tappi Pulping Conference, 5/9 November, 2000, Boston (USA) (Doc CTP 1980).
- ◆ **De la Macorra, C., Villar, J.C. and Petit-Conil, M.,** "Proceso "APMP" en madera de "E. globulus"" - Congreso iberoamericano de investigación en celulosa y papel, 18/20

Octobre, 2000, Iguazu, Misiones (Argentina)
(Doc CTP 1977).

- ◆ **Chirat, C.**, "Présentation sur le blanchiment DZ" – 53^{ème} Congrès de l'ATIP, 17,18,19 Octobre 2000, Bordeaux Lac (France) (Doc CTP 1981)
- ◆ **Chirat, C., Matéo, C., Jeunet, A. and Lachenal, D.**, "Formation of chromophores from carbohydrates and their impact on bleaching – Part 2" – EWLP, 4-6 September, 2000, Bordeaux (France) (Doc CTP 1988).
- ◆ **Leroy, N., Lachenal, D., Chirat, C. and Robert D.**, "Extended oxygen delignification. Effect of multi-stage oxygen on softwood kraft pulp and residual lignins", EWLP, 4-6 September, 2000, Bordeaux (France).
- ◆ **Jouanin, L., Goujon, T., de Nadai, V., Martin, M-T., Mila, I., Vallet, C., Pollet, B., Yoshinaga, A., Chabbert, B., Petit-Conil, M., Lapierre, C.**, "Lignification in transgenic poplars with extremely reduced caffeic acid O-methyltransferase activity", *Plant Physiology*, vol.123, pp1363-1373, Août 2000 (Doc CTP 1982).
- ◆ **Chantre, G., Bouvet, A., Sens, D., Robin, E., Bongrand, O.**, "Modelling kraft fiber morphology and paper properties from forest data: the example of maritime pine thinning logs", Usenius A.& Kari P. Ed. Proceedings of the COST Action E10 - Wood Properties for Industrial Use 'Third Workshop on measuring of wood properties, grades and qualities in the conversion chains and global wood chain optimisation', Dipoli, Espoo, Finland, June 19-21, 2000, p. 277-287.
- ◆ **Julien Saint Amand, F. and Perrin, B.**, "Bais parameters of fibres and shives separation in pressure screens" – 3rd Fundamental Mechanical Pulp Research Seminar, 20 June, 2000, Helsinki (Finland).
- ◆ **Petit-Conil, M., Cleuet, J.C. and Fournier, R.**, "Fibre characterisation to understand the impact of replacing bidirectional plate pattern by unidirectional plate pattern in TMP and RMP processes" – 3rd Fundamental Mechanical Pulp Research Seminar, 20 June, 2000, Helsinki (Finland).
- ◆ **Chirat, C., Matéo, C., Furstoss, H., Jeunet, A. and Lachenal, D.**, "Formation of chromophores from carbohydrates and their impact on bleaching" – PAPTAC International Pulp Bleaching Conference, 27-30 June, 2000, Halifax (Canada), (Doc CTP 1985).

- ◆ **Lachenal, D., Chirat, Ch. and Mortha, G.**, "Improvement of ClO₂ delignification in ECF Bleaching" – International Pulp Bleaching Conference, 27-30 June, 2000, Halifax (Canada) (Doc CTP 1984)

1999

- ◆ **Lapierre, C., Pollet, B., Petit-Conil, M., Pilate, G., Leplé, J.C., Boerjan, W., Jouanin, L.**, "Genetic engineering of poplar lignins : impact of lignin alteration on kraft pulping performances", ACS symposium series 742 Lignin : Historical, biological and materials perspectives, W.G. Glasser, R.A. Northey and T.P. Schultz Edts, American Chemical Society, Washington, DC 1999 (Doc CTP 1957)
- ◆ **Kurek, B., Petit-Conil, M., Sigoillot, J.C., Herpoel, I., Ruel, K., Moukha, S., Joseleau, J.P., Penninckx, M., Asther, M., Gazza, G., de Choudens, C.**, "Treatment of poplar high-yield pulp with manganese peroxidases: a laboratory and pilot scale study", *Oxidative delignification chemistry. Fundamentals and catalysis* edited by Argyropoulos D.S., Chapter 30, pp474-486, ACS Symposium Series 785, 2001 (Doc CTP n°1954).
- ◆ **Joseleau, J.P., Petit-Conil, M., Ruel, K.**, "Characterisation of residual lignins in pulps", Joint COST E11/PTS Workshop, Munchen, December 2-3, 1999 (Doc CTP 1934).
- ◆ **Petit-Conil, M., Passas, R., Cleuet, J.C., Fournier, R., Voillot, C.**, "Fibre characterisation for understanding the effect of plate pattern on TMP and RMP quality", Joint COST E11/PTS Workshop, Munchen, December 2-3, 1999 (Doc CTP 1932).
- ◆ **Lachenal, D., Chirat, C.**, "About the efficiency of the most common bleaching agents", Tappi Pulping Conference, Orlando, USA, 24-31 October 1999 (Doc CTP 1929)
- ◆ **Julien Saint Amand, F., Perrin, B.**, "Fundamentals of screening effects of rotor design and fibre properties", Tappi Pulping Conference proc. : 941-955, Orlando (USA), October 31 - November 4, 1999, (Doc CTP 1918)
- ◆ **Lachenal, D., Chirat, C.**, "Evaluation de l'efficacité des réactifs de blanchiment. Nouvelle approche", ATIP n°4-5, vol 53, Septembre/Octobre 1999, (Doc CTP 1928)
- ◆ **Chirat, C., Lachenal, D.**, "Brushing up on bleaching techniques", *Pulp and Papier International*, pp 41-43, October 1999 (Doc CTP 1927)

- ◆ **Petit-Conil, M., Lapierre, C., Pollet, B., Mila, I., Pilate, G., Meyermans, H., Leplé, J.C., Boerjan, W., Jouanin, L., de Choudens, C.**, "Impact of lignin engineering on pulping processes of poplar trees", 27th EUCEPA conference, Grenoble, 12-14 Octobre 1999 (Doc CTP 1923).
 - ◆ **Petit-Conil, M.**, "Caractérisation des fibres, mieux comprendre leur comportement aux différents stades des procédés de préparation des pâtes vierges et recyclées : les outils, les méthodes, quelques exemples", ATIP 53 (3) : 95-104, Juillet-Août 1999 (Doc CTP 1922).
 - ◆ **Chantre, G., Bouvet, A.** : "Modelling fibre morphology of Kraft pulps within and between Maritime pine trees (*Pinus pinaster*) through a micro-densitometric profile", Workshop IUFRO - La Londe-Les-Maures, September 5-12, 1999. 9 p.
 - ◆ **Chantre, G., Cahalan, C.**, "Which wood properties should be screened in poplar breeding programmes: a review", International Poplar Symposium II, September 1999, Orléans, France. 9 p.
 - ◆ **Joncourt, M.J., Froment, P., Lachenal, D. and Chirat, C.** : "Reduction of the formation of AOX during chlorine dioxide bleaching", TAPPI journal (accepté, à paraître en 1999).
 - ◆ **Joseleau, J.P., Petit-Conil, M., Jouanin, L., de Choudens, C., Chantre, G., Sollier, J-N., Ruel, K.**, "Immunological characterization of residual lignins in pulps from various poplar clones and from a genetically modified variety", 10th International Symposium on Wood and Pulping Chemistry, Yokohama, Poster Presentations vol. III pp190-193, June 7-10, 1999 (Doc CTP 1912).
 - ◆ **Chirat, C., Cardona Barrau, D. and Lachenal, D.**, "Effect of oxygen on residual lignin : ways to improve lignin removal", International Symposium on Wood and Pulping Chemistry, Yokohama, Japon, 7-10 juin 1999 (Doc CTP 1910)
 - ◆ **Petit-Conil, M., Ruel, K.**, "Image analysis and transmission electron microscopy for a better fibre characterization and analysis", A state of the art Symposium - Microscopy as a Tool in Pulp and Paper Research and Development, June 21-22 1999, Proceedings pp 114-123 (Doc CTP 1905)
 - ◆ **Petit-Conil, M.**, "Procédés papetiers: fabrication des pâtes", Techniques de l'Ingénieur, Traité Génie des Procédés, Chapitres J6 900 – J6 902, Mars 1999 (Doc CTP 1901).
 - ◆ **Lapierre, C., Pollet, B., Petit Conil, M., Toval, G., Romero, J., Pilate, G., Leple, J.C., Boerjan, W., Ferret, V., De Nadai, V., Jouanin, L.**, "Structural alterations of lignins in transgenic poplars with depressed cinnamyl alcohol dehydrogenase or caffeic acid-O-methyltransferase activity have opposite impact on the efficiency of industrial kraft pulping", Plant Physiology, vol 119, pp.153-163, January 1999 (Doc CTP 1900).
 - ◆ **Chantre, G., Petit-Conil, M., Couratier, C., Fauchon, T.**, "Influence of the diameter of norway spruce thinning logs on the quantity and the quality of thermo-mechanical pulp", TAPPI International Mechanical Pulping Conference, Houston, Proceedings pp129-138, May 23-25 1999 (Doc CTP 1897).
 - ◆ **De Choudens, C., Petit-Conil, M.**, "Effect of bleaching on fibre characteristics and paper properties of hardwood and softwood kraft pulps", 5th PTS Symposium "Pulp Technology", Dresden, Proceedings 15-0/15-17, April 14-15 1999 (Doc CTP 1895).
 - ◆ **Chirat, C., De la Chapelle, V.**, "Heat and light induced brightness reversion of bleached chemical pulps", Journal of Pulp and Paper Science, vol. 25 n°6, 201-205, June 1999 (Doc CTP 1809).
- 1998**
- ◆ **Chirat, C., Lachenal, D.** : "Limits of oxygen delignification", TAPPI Pulping Conference, Montreal Canada, 25-29 octobre 1998 (Doc CTP 1887).
 - ◆ **Julien Saint Amand, F., Perrin, B.**, "Screening : experimental approach and modelling", Tappi Pulping Conference, Montréal, Québec (Canada), (October 25-29, 1998) pp : 1019-1031 (Doc CTP 1875)
 - ◆ **Lachenal, D., Chirat, C.**, "High temperature chlorine dioxide delignification ; a breakthrough in ECF bleaching of hardwood kraft pulps", TAPPI Pulping Conference, Montreal Canada, 25-29 octobre 1998 (Doc CTP 1886).
 - ◆ **Lapierre, C., Pollet, B., Petit-Conil, M., Pilate, G., Leple, J.C., Jouanin, L.**, "Lignin genetic engineering : evaluation of lignin alterations and pulping performances of transgenic poplar trees with down-regulated o-methyltransferase and cinnamyl alcohol dehydrogenase", 5th European Workshop on Lignocellulosics and Pulp,

Advances in Lignocellulosics Chemistry for Ecologically Friendly Pulping and Bleaching Technologies, Aveiro, Portugal, Proceedings pp563-566, August 30 – September 2 1998 (Doc CTP 1877).

- ◆ **Lambert, F., Chirat, C., Lachenal, D., and Coste, C.**, "Use of ozone as a last bleaching stage", 5th European Workshop on Lignocellulosics and Pulp EWLP'98, Aveiro (Portugal), 30 août-2 septembre 1998.
- ◆ **Boudet, A.M., Chabannes, M., Goffner, D., Lapierre, C., Piquemal, J., Petit-Conil, M., Ralph, J., Ranocha, P., Ruel, K., Grima-Pettenati, J.**, "Controlled down-regulation of genes involved in the last steps of lignin synthesis may significantly change the lignin profiles of plants", Molecular Breeding of Wood Species conference, Tokyo, Proceedings, August 26-27, 1998.
- ◆ **Grima-Pettenati, J., Lacombe, E., Piquemal, J., Van Doorselaere, J., Chabannes, M., Lapierre, C., Petit-Conil, M., Boudet, A.**, "Control of expression of cinnamoyl-CoA reductase, a gene involved in lignin biosynthesis", Molecular Biology Meeting, Queenstown, August 1998.
- ◆ **Chirat, C., De la Chapelle, V., and Lachenal, D.**, "Heat and light induced brightness reversion of bleached chemical pulp. Effect of oxidized groups", 5th European Workshop on Lignocellulosics and Pulp EWLP'98, Aveiro (Portugal), 30 août-2 septembre 1998.
- ◆ **De la Chapelle, V., Chirat, C., Lachenal, D.**, "Heat and light induced brightness reversion of bleached chemical pulps. Effect of oxidized groups", International Pulp Bleaching Conference, Helsinki, 1-5 juin, 1998 (Doc CTP 1855).
- ◆ **Petit-Conil, M., Sigoillot, J.C., Herpoel, I., Kurek, B., Ruel, K., Moukha, S., Joseleau, J.P., Penninckx, M., Asther, M., Gazza, S., De Choudens, C.**, "Treatment of a market poplar high-yield pulp with manganese peroxidases", CPPA 7th International Conference on Biotechnology in the pulp and paper industry, Hyatt Regency Hotel, Vancouver, Oral Presentations vol A p143-147, June 16-19, 1998 (Doc CTP 1854)
- ◆ **Lambert, F., Chirat, C., Lachenal, D., and Coste, C.**, "Use of ozone as a last bleaching stage", International Pulp Bleaching Conference, Helsinki, 1-5 juin, 1998 (Doc CTP 1868).
- ◆ **Cardonna-Barrau, D., Chirat, C., Lachenal, D.**, "Non degrading oxygen bleaching", International Pulp Bleaching Conference, Helsinki, 1-5 juin, 1998 (Doc CTP 1865).
- ◆ **Lapierre, C., Pollet, B., Petit-Conil, M., Pilate, G., Leple, J.C., Boerjan, W., Jouanin, L.**, "Genetic engineering of poplar lignins. Impact of lignin alteration on kraft pulping performances", Anselme Payen Symposium, ACS Symposium Series, Dallas, March 29 – April 2, 1998.
- ◆ **Lachenal, D., Chirat, C.**, "High temperature ClO₂ bleaching of kraft pulp", International Pulp Bleaching Conference, Helsinki, 1-5 juin, 1998 (Doc CTP 1856).
- ◆ **Petit-Conil, M., Lapierre, C., Pollet, B., Jouanin, L., Pilate, G., Leple, J.C., Baucher, M., Boerjan, W., De Choudens, C.**, "The transgenic poplars: the XXIst century raw material for the pulp industry. Part 2 : Impact on pulping processes and paper quality", CPPA 7th International Conference on Biotechnology in the pulp and paper industry, Hyatt Regency Hotel, Vancouver, Oral Presentations vol A p37-41, June 16-19, 1998 (Doc CTP 1853).
- ◆ **Hostachy, J.C., Araujo, O. and Chirat, C.**, "Super ECF bleaching with ozone of Eucalyptus and mixed tropical hardwood pulps", XVI Encontro de TECNICELPA, Covilha, Portugal, Avril 1998.
- ◆ **Chirat, C., Lachenal, D.**, « New chemicals cause dramatic changes in bleaching sequence », Pulp Paper, Vol. 72, n° 2, 105-110, 1998 (Doc CTP 1839).
- ◆ **Petit-Conil, M., De Choudens, C., Espilit, T.**, "Ozone in the production of softwood and hardwood high-yield pulps to save energy and improve quality", Nordic Pulp and Paper Research Journal, 13 (1) : 16-22, March 1998 (Doc CTP 1818).

1997

- ◆ **Sigoillot, J. C., M., Petit-Conil, M., Ruel, K., Moukha, S., Comtat, J., Laugero, C., Joseleau J. P., De Choudens, C., Asther, M.**, "Enzymatic treatment with manganese peroxidase from *Phanerochaete chrysosporium* for enhancing wheat straw pulp characteristics", Holzforschung, 51 (6) : 549-556, 1997 (Doc CTP 1845).
- ◆ **Chirat, C., Lachenal, D.**, "Pulp producers race to keep up with technology", Pulp and Paper International, 39, 10, 29-32, 1997. (Doc CTP 1839).

- ◆ **Chirat, C., Lachenal, D.**, "Effect of hydroxyl radicals on cellulose and pulp and their occurrence during ozone bleaching", *Holzforschung*, 51, 2, 147-154, 1997 (Doc CTP 1799).
- ◆ **Petit-Conil, M., De Choudens, C., Castellan, A., Grelier, S., Davidson, R. S.**, "Prevention of photoyellowing of high-yield pulps using ternary mixtures containing a UV screen, a polyethylen oxide dithiol and sucrose", *Journal of Pulp and Paper Science*, 24 (6) : 167-172, June 1998 (Doc CTP 1798).
- ◆ **Lachenal, D., Joncourt, M.-J., Froment, P. and Chirat, C.**, "Reduction of the formation of AOX during chlorine dioxide bleaching", *Journal of Pulp and Paper Science*, 24, 1, 14-17, 1998 (Doc CTP 1753).
- ◆ **Chirat, C., Lachenal, D.**, "Other ways to use ozone in a bleaching sequence", *TAPPI Journal*, 80, 9, 209-214, 1997 (Doc CTP 1729).
- ◆ **Chirat, C., Lachenal, D., Angelier, R., Viardin, M.T.**, "(DZ) and (ZD) bleaching fundamentals and application", *Journal of Pulp and Paper Science*, 23, 6, 289-292, 1997 (Doc CTP 1750).
- ◆ **Julien Saint-Amand, F., Perrin, B.**, "Le classage des pâtes : un procédé de séparation hydrodynamique", 50^{ième} Congrès de l'ATIP, Bordeaux, (21/24 octobre 1997) (Doc CTP 1828).
- ◆ **Pilate, G., Leple, J. C., Lapierre, C., Pollet, B., Baucher, M., Van Doorselaere, J., Boerjan, W. Petit-Conil, M., De Nadai, V., Jouanin, L.**, "Transgenic poplar trees with altered lignin and improved pulping characteristics", *Tappi Biological Sciences Symposium 97 BIOSCI*, San Francisco, Proceedings p507-514, October 21-23, 1997 (Doc CTP 1846).
- ◆ **Chirat, C., Lachenal, D.**, "Non degrading TCF bleaching sequences including an ozone stage for hardwood and softwood kraft", *Cellulose Chemistry and Technology*, 31, 235-245, 1997 (Doc CTP 1824).
- ◆ **Lachenal, D., Nguyen, Thi N.B., Chirat, C., Soria, L.**, "Optimum use of hydrogen peroxide in kraft pulp delignification", *Paperi ja Puu*, vol 79, n°4, 252-256, 1997 (Doc CTP 1751).
- ◆ **Chirat, C., Lachenal, D.**, "System closure in the bleach plant. effect of the metal ions in the bleaching of pulp", *Johan Gullichsen Colloquium, Helsinki (Finlande)*, 4-5 septembre 1997 (Doc CTP 1876).
- ◆ **Pollet, B., Lapierre, C., Petit-Conil, M., Leple, J.C., Pilate, G., Jouanin, L., De Nadai, V.**, "GC-MS investigation of lignin in transgenic poplar trees", *Poster au 14^{ième} Journées Françaises de Spectrométrie de Masse*, Lillet, Septembre 1997.
- ◆ **Lachenal, D., Cardona-Barrau, D., Chirat, C.**, "Fundamentals of extended oxygen bleaching", *International Symposium Wood and Pulping Chemistry*, Montreal, Canada, 9-12 juin, 1997 (Doc CTP 1808)
- ◆ **Lachenal, D., Chirat, C.**, "Is there any need to improve the bleaching process further ?" *Das Papier* 51, 6A, 50-54, 1997 (Doc CTP 181).
- ◆ **Foesser, M., Chantre, G., Rueff, M., Petit-Conil, M.**, "Evaluation of thermo-mechanical ability of poplar and Douglas fir wood, by means of a micro-pilot plant method", *Colloque CTIA/IUFRO Timber Management Toward Wood Quality and End-Product Value*, Québec, August 18-22, 1997.
- ◆ **Petit-Conil, M., De Choudens, C.**, "Use of alkaline peroxide mechanical pulps (APP) in printing papers and boards", *International Mechanical Pulping Conference*, Stockholm, Proceedings p281-295, June 15-17, 1997 (Doc CTP 1793).
- ◆ **Lachenal, D., Chirat, C.**, "Is there any need to improve the bleaching process further?", *26th Eucepa Conference. the sustainable Paper Cycle*, Baden Baden (Allemagne), 23-26 juin 1997. Doc CTP 1811
- ◆ **Chirat, C., De la Chapelle, V.**, "Heat and light induced brightness reversion of bleached chemical pulps", *International Symposium on Wood and Pulping Chemistry*, Montreal, Canada, 9-12 juin, 1997 (Doc CTP 1809).
- ◆ **Chirat, C., Lachenal, D.**, "Non degrading TCF bleaching sequences including an ozone stage for hardwood and softwood kraft pulps", *Cellulose Chemistry and Technology*, 31, 235-245, 1997 (Doc CTP 1824).
- ◆ **Martin, M., Petit-Conil, M.**, "Le papier, Que sais-je ? ", *Presses Universitaires de France – 6^{ième} édition*, Mars 1997.

1996

- ◆ **Petit-Conil, M., De Choudens, C.**, "Use of a new technical enzyme and its biomimetic system to improve the properties of poplar high yield pulps", *European Conference on Pulp and Paper Research, The present and the future*,

Stockholm, Proceedings p385-394, October 9-10 1996 (Doc CTP 1766).

- ◆ **Lachenal, D., Joncourt, M.J., Froment, P. and Chirat, C.**, "Reduction of the formation of AOX during chlorine dioxide bleaching", International Pulp Bleaching Conference, Washington, USA, 14-18 avril 1996 (Doc CTP 1753).
- ◆ **Petit-Conil, M.**, "Historique des procédés de fabrication des pâtes mécaniques", Séminaire Le patrimoine industriel : le papier, fabrication et usage organisée par l'Ecole Nationale du Patrimoine, Bordeaux, 19-21 Juin 1996 (Doc CTP 1754).
- ◆ **Chirat, C., Lachenal, D., Coste C.**, "From (DC) to (DZ)", Pulp and Paper International non chlorine bleaching conference, Orlando, March , 25-28, 1996.
- ◆ **Joncourt, M.J., Froment, P., Lachenal, D. and Chirat, C.**, "Reduction of the formation of AOX during chlorine dioxide bleaching", TAPPI Pulping Conference - San Diego, USA, 6-10 novembre 1994. (also invited to be presented at the International Environmental Conference, Orlando, May 5-8, 1996).
- ◆ **Chirat, C., Roncero, B., De la Chapelle, V. and Lachenal, D.**, "Effect of the nature of the oxidized groups in cellulose on heat and, light induced brightness reversion of bleached pulps", 4th european workshop on lignocellulosics and pulp, Stresa, Italie, 8-11 sept, 1996 (Doc CTP 1769).
- ◆ **Lachenal, D., Nguyen Thi, N.B., Chirat, C.**, "Optimum use of H₂O₂ in kraft pulp delignification", TAPPI International Pulp Bleaching Conference, Washington, USA, 14-18 avril 1996 (Doc CTP 1751).
- ◆ **Chirat, C., Angelier, R., Viardin, M.T. and Lachenal, D.**, "DZ and ZD bleaching : Fundamentals and application", TAPPI International Pulp Bleaching Conference, Washington, USA, 14-18 avril 1996 (Doc CTP 1750).
- ◆ **De Choudens, C., Angelier, R. and Chirat, C.**, "Ozone and hydrogen peroxide stages in bleaching sequences at pilot scale", TAPPI International Pulp Bleaching Conference, Washington, USA, 14-18 avril 1996 (Doc CTP 1752).
- ◆ **Chirat, C., Lambert, F., Lachenal, D., and Coste, C.**, "Use of ozone in a last bleaching stage", TAPPI Pulping Conference, Nashville, USA, 27-31 oct, 1996.

- ◆ **Petit-Conil, M., Cottin, F., Martinez, J.**, "The APMP (Alkaline Peroxide Mechanical Pulping) process. Use of different alkali sources", Forum Associate Members, Grenoble, Session 7, February 13-14, 1996.
- ◆ **Baucher, M., Chabbert, B., Pilate, G., Van Doorselaere, J., Tollier, M. T., Petit-Conil, M., Leple, J. C., Cornu, D., Monties, B., Van Montagu, M., Inze, D., Jouanin, L., Boerjan, W.**, "Red xylem and higher lignin extractability by down-regulating a cinnamyl alcohol dehydrogenase in poplar", Plant Physiology (112) : 1479-1490, 1996.

1995

- ◆ **Baucher, M., Chabbert, B., Van Doorselaere, J., Pilate, G., Cornu, D., Petit-Conil, M., Monties, B., Van Montagu, M., Inze, D., Jouanin, L., Boerjan, W.**, "Higher extractability of lignin in poplar (*Populus tremula* x *P. Alba*) by reducing cinnamyl alcohol dehydrogenase activity, Somatic cell genetics and molecular genetics of trees", Forestry Sciences vol 49, M. R. Anuja, W. Boerjan, Neale, D. B. (Eds). Dordrecht, Kluwer Academic Publishers, p153-158, 1993. IUFRO Workshop on Molecular Biology of Forest Trees, Gent, June 26-30, 1995.
- ◆ **Boerjan, W., Meyermans, H., Chen, C., Leple, J. C., Christensen, J. H., Van Doorselaere, J., Baucher, M., Petit-Conil, M., Chabbert, B., Tollier, M. T., Monties, B., Pilate, G., Cornu, D., Inze, D., Jouanin, L., Van Montagu, M.**, "Genetic engineering of lignin biosynthesis in poplar, Somatic cell genetics and molecular genetics of trees", Forestry Sciences vol 49, M. R. Anuja, W. Boerjan, Neale, D. B. (Eds). Dordrecht, Kluwer Academic Publishers, p81-88, 1996. IUFRO Workshop on Molecular Biology of Forest Trees, Gent, June 26-30, 1995.
- ◆ **Chirat, C. and Lachenal, D.**, "Effect of hydroxyl radicals on cellulose and pulp and their occurrence during ozone bleaching", 8th ISWPC, Helsinki, June 6-9, 1995 (Doc CTP 1734).
- ◆ **Chirat, C., Lachenal, D.**, "Minimizing pulp degradation during totally chlorine free bleaching sequences including an ozone stage", Journal of Pulp and Paper Science, 21 (9), J 316-J 321, 1995 (Doc CTP 1733).
- ◆ **Van Doorselaere, J., Baucher, M., Chognot, E., Chabbert, B., Tollier, M. T., Petit-Conil, M., Leple, J. C., Pilate, G., Cornu, D., Monties, B., Van Montagu, M., Inze, D., Jouanin, L., Boerjan, W.**, "A novel lignin in

poplar trees with a reduced caffeic acid / 5-hydroxyferulic acid O - methyltransferase activity", *Plant Journal*, 8 (6) : 855 - 864, 1995.

- ◆ **Petit-Conil, M., Chantre, G., De Choudens, C.,** "Selection of poplar clones for thermomechanical pulping", TAPPI/CPA/EUCEPA International Mechanical Pulping Conference, Ottawa, Preprints p1-8, June 12-15, 1995. *Pulp and Paper Canada*, 98 (1) : T22-T25, January 1997 (Doc CTP 1711).
 - ◆ **Chabbert, B., Tollier, M. T., Monties, B., Pilate, G., Chognot, E., Jouanin, L., Baucher, M., Van Doorselaere, J., Petit-Conil, M.,** "Manipulation of lignin quality in transgenic poplar trees", 6th International Conference on Biotechnology in the Pulp and Paper Industry, Wien, Poster Presentation, June 11-15, 1995.
 - ◆ **Halpin, C., Knight, M.E., Schuch, W., Boon, J. J., Petit-Conil, M., Campbell, M. M., Boudet, A. M., Chabbert, B., Tollier, M. T., Foxon, G.,** "Transgenic tobacco plants with altered lignin composition have improved pulping characteristics", 6th International Conference on Biotechnology in the Pulp and Paper Industry, Wien, June 11-15, 1995.
 - ◆ **Chirat, C., Lachenal, D.,** "Other ways to use ozone in a bleaching sequence", Tappi Pulping Conference, Chicago (USA), 2-6 octobre 1995 (Doc CTP 1729).
 - ◆ **Petit-Conil, M., Robert, A., Pierrard, J. M.,** "Fundamental principles of mechanical pulping from softwoods and hardwoods - Part I : Theoretical aspects", Ph. D. Thesis of the National Polytechnical Institute of Grenoble, April 25, 1995. KCL Fundamental mechanical pulping research seminar, Espoo, November 19, 1996. *Cellulose Chemistry and Technology* - 31 (1/2) : 93-104, January - April 1997 (Doc CTP 1717).
 - ◆ **Halpin, C., Knight, M.E., Schuch, W., Boon, J. J., Petit-Conil, M., Foxon, G.,** "Manipulation of lignin quality in transgenic tobacco", SEB Annual Meeting, University of St Andrews, April 1995.
- 1994**
- ◆ **Van Doorselaere, J., Leple, J.C., Baucher, M., Chabert, B., Tollier, M.T., Petit-Conil, M., Cornu, D., Monties, B., Van Montagu, M., Inze, D., Jouanin, L.,** "Modification of OMT gene expression in transgenic poplar trees and impact on lignin composition", submitted to *Bio/Technology*.
 - ◆ **Baucher, M., Van Doorselaere, J., Leple, J. C., Pilate, G., Monties, B., Petit-Conil, M., Van Montagu, M., Inze, D., Jouanin, L., Boerjan, W.,** "Manipulation of lignin composition in transgenic poplar trees by the antisense strategy", IUFRO Workshop on Molecular Biology of Forest Trees, Maine USA, 1994.
 - ◆ **Chirat, C., Lachenal, D.,** "Effect of ozone on pulp components. Application to bleaching of kraft pulps" *Holzforschung* 48, (supplement), 133-140, 1994.
 - ◆ **Chirat, C., Viardin, M. T. and Lachenal, D.,** "Use of a reducing stage to avoid degradation of softwood kraft pulp after ozone bleaching" *Paperi ja Puu* 76 (6-7), 417-422, 1994 (Doc CTP 1699).
 - ◆ **Petit-Conil, M., Cochaux, A., De Choudens, C.,** "Mechanical pulp characterization : a new and rapid method to evaluate the fibre flexibility", *Paperi ja Puu*, 76(10) : 657-662, December 1994 (Doc CTP 1625).
 - ◆ **Halpin, C., Knight, M.E., Schuch, W., Boon, J. J., Petit-Conil, M., Campbell, M. M., Boudet, A. M., Chabbert, B., Tollier, M. T., Foxon, G.,** "Transgenic tobacco plants with altered lignin composition have improved pulping characteristics", TAPPI 2nd International Symposium on the Application of Biotechnology to Tree Culture, Protection and Utilization, Minneapolis, October 3-6, 1994.
 - ◆ **Chirat, C., Lachenal, D.,** "Minimizing pulp degradation during totally chlorine free bleaching sequences including an ozone stage" International Pulp Bleaching Conference, Vancouver, Canada, 13-16 juin 1994 (Doc CTP 1733).
 - ◆ **Petit-Conil, M., De Choudens, C.,** "A new chemithermomechanical process: use of oxygen in the primary refining stage. Part 1: oxidative sulfonation for hardwood and softwood CTMP pulping", *Das Papier*, 48(10):628-634, October 1994 (Doc CTP 1615).
 - ◆ **Halpin, C., Knight, M.E., Schuch, W., Boon, J. J., Petit-Conil, M., Foxon, G.,** "Manipulation of lignin quality in transgenic tobacco", 4th International Congress of Plant Molecular Biology, Amsterdam, June 19-24, 1994, Abstract n° 1964.
 - ◆ **Petit-Conil, M.,** "Aperçu sur la fabrication des pâtes et du papier", Journée Technique « Collecte Sélective de vieux papiers et techniques de recyclage » organisée par le

CTP et REVIPAP, Grenoble, 23 Juin 1994 (Doc CTP 1684).

- ◆ **Chirat, C., Lachenal, D.**, "Role of hydroxyl radicals during ozone bleaching" European Workshop on Lignocellulosics and Pulp, Stockholm - Suède, 29-31 août 1994.
- ◆ **Chirat, C., Lachenal, D.**, "Beneficial and adverse effects of metal ions in ZP bleaching sequence", TAPPI Pulping Conference - San Diego, USA, 6-10 November 1994.
- ◆ **Petit-Conil, M., De Choudens, C.**, "Influence of pulping and bleaching on the photoyellowing of RMP and CTMP", Cellulose Chemistry and Technology, 28(2):195-204, April 1994 (Doc CTP 1636).

1993

- ◆ **Petit-Conil, M., De Choudens, C.**, "Manufacture of hardwood CTMP by reducing and oxidizing treatments", 18th International Mechanical Pulping Conference, Oslo, Proceedings p169-179, June 15-17, 1993 (Doc CTP 1631).
- ◆ **Chirat, C., Lachenal, D., Coste, C. and Zumbrunn, J.P.**, "Ozone bleaching of paper is ready for implementation 11th Ozone World Congress, San Francisco, USA, 30 August – 1st September 1993.
- ◆ **Chirat, C., Viardin, M.T., Lachenal, D.**, "Protection of cellulose during ozone bleaching" Paperi Ja Puu 75 (5), 338-342, 1993 (Doc CTP 1620).
- ◆ **Chirat, C., Lachenal, D.**, "Ozone bleaching is the key to alternative bleaching technology" International Environmental Symposium EUCEPA, Paris, 27-29 April 1993.
- ◆ **Chirat, C., Lachenal, D., Coste, C., and Zumbrunn, J.P.**, "Effect of ozone on cellulose and pulp" 7th International Symposium on Wood and Pulping, Beijing - Chine, 25-28 mai 1993 (Doc CTP 1657).
- ◆ **Chirat, C., Lachenal, D.**, "Non degrading TCF bleaching sequences including an ozone stage for hardwood and softwood kraft pulps and characterization of the effluents" TAPPI Pulping Conference, Atlanta, USA, 14-18 November 1993.

1992

- ◆ Information about the installation of a MSD 6" pressafiner on the CTP high-yield pilot plant to

improve the chip impregnation. Pulp and Paper International, 34(12) : 20, December 1992. Bulletin de liaison Inter CTI, (4) : 2, Octobre 1992. CTP Infos plus, (20) : 1, Septembre 1992.

- ◆ **Chirat, C., Viardin, M.T., Froment, P. and Lachenal, D.**, "Improvement of ozone bleaching of kraft pulp" 2^{ième} European Workshop on lignocellulosics and pulp, Grenoble, 2-4 September 1992.
- ◆ **Figueiredo, F., Petit-Conil, M.** : "CTMP de Eucalyptus globulus : Uma experiencia - piloto (CTMP Eucalyptus globulus pilot plant trial)", VI congreso Latinoamericano de Celulosa y Papel, Torremolinos (Malaga - Espana), Proceedings p193-204, June 23-25, 1992.
- ◆ **Chirat, C., Viardin, M.T., Lachenal, D.**, "Protection of cellulose during ozone bleaching" TAPPI Pulping Conference, Boston, USA, 1-5 novembre 1992 (Doc CTP 1620).

1991

- ◆ **de Choudens, C., Petit-Conil, M.**, "Les pâtes chimico-thermomécaniques blanchies : développement et avenir", ATIP, 45(7) : 234-342, Décembre 1991 (Doc CTP 1547).
- ◆ **Petit-Conil, M., De Choudens, C.**, "Chemithermomechanical pulps from hardwood and softwood mixtures", Paperi ja Puu, 73(10): 946-951, December 20, 1991 (Doc CTP 1536).
- ◆ **Petit-Conil, M., Lombardo, G., De Choudens, C.**, "Fabrication de pâtes thermomécaniques (TMP) et chimicothermomécaniques (CTMP). Partie 3 : Etude d'essences de bois résineux françaises", ATIP, 45(1) : 39-48, Janvier-Février 1991 (Doc CTP 1513).

1990

- ◆ **Petit-Conil, M., Lombardo, G., De Choudens, C.**, "Fabrication de pâtes thermomécaniques (TMP) et chimicothermomécaniques (CTMP). Partie 2 : Etude d'essences de bois feuillus françaises", ATIP, 44(8/9): 292-298, Octobre-Novembre 1990 (Doc CTP 1504).
- ◆ **Petit-Conil, M., Lombardo, G., De Choudens, C.**, "Fabrication de pâtes thermomécaniques (TMP) et chimicothermomécaniques (CTMP). Partie 1 : Description d'une chaîne de laboratoire fonctionnant en continu", ATIP, 44(4/5) : 175-184, Avril-Mai 1990 (Doc CTP 1482).