

2010 - Publication List

- ◆ **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.

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.
- ◆ **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°).
- ◆ **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

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, ppxx-xx, 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,** "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°xxxx).
- ◆ **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,** "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, 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. xx, n°xx ppxx-xx, 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 ppxx-xx, 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 ppxx-xx, 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).