



Isabelle DESLOGES

PUBLICATIONS

VULLIERME I., SERRA-TOSIO J.-M., Etude de l'influence des propriétés mécaniques des papiers sur les résistances à la compression SCT et CMT. Optimisation de la qualité des PPO. ATIP vol 54, n°2, avril-juin 2000, pp 40-48.

S. SCHOTT, D. CHAUSSY, E. MAURET, I. DESLOGES, A. ANABELA, N. CORDEIRO, N. BELGACEM. Valorisation of different agricultural crops in papermaking application, International Conference WPP 2003, Pulp and Paper Science and Technology: Papermaking Science and Technology (2003), p 167-172.

DESLOGES-VULLIERME I, SERRA-TOSIO JM, CHAVE Y, Analysis of physical paper behaviour subjected to previous compression and tensile strains under different relative humidities, Cellulose Chemistry and Technology , 39, 3-4, 261-275 (2005)

DUPLAT V., ROUCHON V., DESLOGES I., PAPILLON M.C., Métal *versus* papier : assemblage de deux entités incompatibles conservation-restauration d'une œuvre graphique contemporaine, Support tracé, revue de l'association pour la recherche scientifique sur les arts graphiques, N°8, 90-100, (2008).

BARTHEZ J, ROUCHON V, DESLOGES I, MAURET E, FOGGIA P, GREVILLOT G, VALLIERES C, PACAULT S, MAFFEIS R, Capacité de sorption de vapeur d'eau et d'acide acétique volatil de papiers enrichis en charges microporeuses ou alcalines, Poster publié dans les Actes du colloque Sciences des matériaux du Patrimoine Culturel, les 6 et 7 décembre 2007, à l'Institut national du patrimoine, Auditorium Colbert, Paris 2^e (2008).

DESLOGES I., CHAUSSY D. SERRATOSIO J.-M, S. SCHOTT, MAURET E., Predicting the compressive behaviour of a corrugated medium, Cellulose Chemistry and Technology, 42 (1-3), 71-80, 2008.

KARBOUJ R., DESLOGES I., NORTIER P., A simple pre-treatment of aluminium cookware to minimize aluminium transfer to food, Food and Chemical Toxicology, 47 (3), 571-577 (2009)

VIGUIÉ J., DUMONT P.J.J., DESLOGES I., ROLLAND DU ROSCOAT S., VACHER P., MAURET E., BLOCH J.F. Analysis of the hygroexpansion of paperboard and small flute corrugated board by digital correlation of images by X-ray microtomography, 6th International Symposium on Moisture and Creep Effects on Paper, Board, Containers, Madison (Etats-Unis), 14-16 July 2009

ROUCHON V., BARTHEZ J., DESLOGES I., Réserves alcalines et charges sorbantes : essai de comparaison des performances de ces additifs vis-à-vis des composés organiques volatils indésirables, Support tracé, revue de l'association pour la recherche scientifique sur les arts graphiques, N°10, 107-113, (2010).

VIGUIÉ J., DUMONT P.J.J., DESLOGES I., MAURET E., Some experimental aspects of the compression behaviour of boxes made up of G-flute corrugated boards, Packaging Technology and Science, 23, 69-89, 2010.

VIGUIÉ J., DUMONT P., VACHER P., ORGEAS L., DESLOGES I., MAURET E. Analysis of the strain and stress fields of cardboard box during compression by 3D digital image correlation, Applied Mechanics and Materials: Advances in Experimental Mechanics, 24-25, 103-108, 2010.

VIGUIÉ J., DUMONT P.J.J., MAURET E., ROLLAND DU ROSCOAT S., VACHER P., DESLOGES I., BLOCH J.F., Analysis of the hygroexpansion of a material formed of lignocellulosic fibres by digital correlation of images obtained by X-ray synchrotron microtomography, Journal of Materials Science, 46(14), 4756-4769, 2011.

VIGUIÉ J., DUMONT P.J.J., ROLLAND DU ROSCOAT S., VACHER P., ORGÉAS L., DESLOGES I., MAURET E., BLOCH J.F., Support of new experimental techniques to the study of mechanical and hygroexpansive behaviors of paperboard packaging. ATIP. Association Technique de L'Industrie Papetière, 65(2):15-17 · June 2011

VIGUIÉ J., DUMONT P.J.J., ORGÉAS L., VACHER P., DESLOGES I., MAURET E., Surface stress and strain fields on compressed panels of corrugated board boxes. An experimental analysis by using Digital Image Stereocorrelation, Composite Structure, 93, 2861-2873, 2011

LAVOINE N.; DESLOGES, I.; DUFRESNE, A.; BRAS, J., Microfibrillated cellulose - Its barrier properties and applications in cellulosic materials: A review, Carbohydrate Polymers (2012), 90(2), 735-764.

LAVOINE N., DESLOGES I., KHELIFI B., BRAS J., Impact of different coating processes of microfibrillated cellulose on the mechanical and barrier properties of paper, Journal of Materials Science, 49 (7), 2879-2893 (2014)

LAVOINE N., BRAS J., DESLOGES I., Mechanical and barrier properties of cardboard and 3D packaging coated with microfibrillated cellulose, *Journal of Applied Polymer Science*, 131(8), 40106/1-40106/11 (2014)

LAVOINE N., GIVORD C., TABARY N., DESLOGES I., BARTEL B., BRAS J., Elaboration of a new antibacterial bio-nano-material for food-packaging by synergistic action of cyclodextrin and microfibrillated cellulose, *Innovative Food Science and Emerging Technologies*, 26, 330-340 (2014)

LAVOINE N., DESLOGES I., BRAS J., Microfibrillated cellulose coatings as new release systems for active packaging, *Carbohydrate Polymers*, 103, 528-537 (2014)

LAVOINE N., TABARY N., DESLOGES I., BARTEL B., BRAS J., Controlled release of chlorhexidine digluconate using beta-cyclodextrin and microfibrillated cellulose, *Colloids and Surfaces B: Biointerfaces* 121, 196-205 (2014)

LAVOINE N., DESLOGES I., SILLARD C., BRAS J., Controlled release and long-term antibacterial activity of chlorhexidine digluconate through the nanoporous network of microfibrillated cellulose, *Cellulose*, 21(6), 4429-4442 (2014)

LAVOINE N., DESLOGES I., MANSHIP B., BRAS J., Antibacterial paperboard packaging using microfibrillated cellulose, *Journal of Food Science and Technology*, 52(9), 5590-5600 (2015)

LAVOINE N., GUILLARD V., DESLOGES I., GONTARD N., BRAS J., Active bio-based food-packaging: Diffusion and release of active substances through and from cellulose nanofiber coating toward food-packaging design, *Carbohydrate Polymers*, 149, 40-50 (2016)

Conference Paper

VULLIERME I., SERRA-TOSIO J.-M., THEBAULT C., Moisture effect on rheological and creep properties of paper and linerboard in edge compression. A new device and experiments, 4th International Symposium on Moisture and Creep Effects, Grenoble, France, 18-19 mars 1999, pp152-164, ISBN 2-9515239-0-4, dépôt légal mars 2000.

BARTHEZ J., LAFON J., DUPONT A-L, LAVEDRINE B, ARNOLD C, DESLOGES I, MAURET, MULLER V, GREVILLOT G, VALLIERE C, PACAULT S, New conservation paper for active protection against pollution, ICOM 14th triennial meeting, The Hague, James & James (Ed.). ICOM Committee for Conservation, p739 (2005)

DESLOGES I., CHAUSSY D., MAURET E., BELGACEM M.N, Non wood agricultural residues and crops as a source of cellulose fibres for different applications, Proceedings of the 5th International Conference on Non-Wood Fiber Pulping & Papermaking (5th INWFPPC), Guangzhou (Chine), 25-30 (2006)

VIGUIE J., DUMONT P.J.J., VACHER P. DESLOGES I., MAURET E, ORGEAS L. Analysis of the strain field of box panels made of g-flute corrugated board during compression by 3D Digital Image Correlation. 17th International Conference on Composite Materials (ICCM 17), Edimburgh (UK) (2009).

BARDET R., LAVOINE N., DESLOGES I., BELGACEM N., BRAS J. Barrier properties of specialty papers coated with microfibrillated cellulose: influence of base paper and coating weight, Conference: 2012 International Conference on Nanotechnology for Renewable Materials, Montréal, Québec, CANADA, June 2012

LAVOINE N., BIGAND V., DESLOGES I., , BRAS J., Use of different quality of MFC for producing controlled release films, Conference: 2013 TAPPI International Conference on Nanotechnology for Renewable Materials, Sweden, June 2013

BRAS J., LAVOINE, N., TABARY, N., DESLOGES, I. Elaboration of a new antibacterial bio-nano-material for food-packaging by synergistic action of cyclodextrin and microfibrillated cellulose, 2014 TAPPI International Conference on Nanotechnology for Renewable Materials, Vancouver, Canada, 23-26 June 2014

BRAS, J., LAVOINE, N., DESLOGES, I., Elaboration of a new antibacterial bio-nano-material for food-packaging by using microfibrillated cellulose as controlled release system, BiomatPack Conference, Munich, Germany, 20-21 May 2014

LAVOINE N., GUILLARD V., DESLOGES I., GONTARD N., BRAS J., Modeling of caffeine release from a cellulosic substrate coated with microfibrillated cellulose, Symposium of innovating polymers for controlled delivery, Journal of Controlled Release, 213, September 2014

Edition

Co-éditeur des Actes du 4th International Symposium on Moisture and Creep Effects on Paper, Board and Containers, Grenoble, 18-19 mars 1999, 283 pages, ISBN 2-9515239-0-4, dépôt légal mars 2000.