

PUBLICATIONS ÉQUIPE D.S.C. – 2010 à 2019

2019

Journal Article :

Amouzou A.S.E, Sicot O, Chettah A, Aivazzadeh S. "Experimental Characterization of Composite Laminates under Low-Velocity Multi-Impact Loading." *Journal of Composite Materials* 53, no. 17 (2019). <http://dx.doi.org/https://doi.org/10.1177/0021998319827351>.

Amouzou A.S.E, Chettah A, Sicot O, Aivazzadeh S. *Modélisation Numérique De Multi-Impacts Faible Vitesse Sur Différentes Stratifications*. 2019.

Cadu T, Van Schoors L, Sicot O, Moscardelli S, Divet L, Fontaine S. "Cyclic Hygrothermal Ageing of Flax Fibers Bundles and Unidirectional Flax/Epoxy Composite. Are Bio-Based Reinforced Composites So Sensitive ?" *Industrial Crops and Products* 141 (2019). <http://dx.doi.org/https://doi.org/10.1016/j.indcrop.2019.111730>.

Coorevits T, Kossman S, Chicot D, Hennebelle F, Montagne A, Lost A. "Virtual Machine Concept Applied to Uncertainties Estimation in Instrumented Indentation Testing." *Journal of materials research* 34, no. 14 (2019): 2501-16.

François C, Placet V, Beaugrand J, Pourchet S, Boni G, Champion D, Fontaine S, Plassereau L. "Can Supercritical Carbon Dioxide Be Suitable for the Green Pretreatment of Plant Fibres Dedicated to Composite Applications ?" *Journal of Materials Science* 55 (2019): 4671-84. <http://dx.doi.org/DOI:10.1007/s10853-019-04293-y>.

Jeannin T, Bergès M, Gabrion X, Léger R, Person V, Corn S, Piezel B, Ienny P, Fontaine S, Placet V. "Influence of Hydrothermal Ageing on the Fatigue Behaviour of a Unidirectional Flax-Epoxy Laminate." *Composites Part B : Engineering* 174 (2019). <http://dx.doi.org/https://doi.org/10.1016/j.compositesb.2019.107056>.

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Bubaker-Isheil H, Hennebelle F, Fontaine J.F. *Simple Large Scale 3d Scanner*. 2019. ci

El Asmai S, Hennebelle F, Coorevits T, Vincent R, Fontaine J.F. *Determination of the Coefficient of Expansion of a Carbon Tube and Its Assembly for Thermal Compensation of Metrological Structures*. 2019. CI

Hennebelle F, El Asmai S, Coorevits T. *Physical Methodology of Assessing 3d Measurement Uncertainties by Multi Levels Monte Carlo Simulation*. 2019. ci

Conférences nationales :

Ngoufo-Donkeng N-E, Rousseau J, Chevalier S, Placet V. *Caractérisation Mécanique De Matériaux Stratifiés Hybrides Composites Biosourcés/Métal Pour Le Mobilier Urbain*. 2019.CN

Book :

F, Hennebelle. *Mesure Et Métrologie - Quel Futur ?* Edited by Contrôle Essais Mesure - numéro spécial. 2019.

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Argoud N, Rousseau J, Piezel B, Chettah A, Cadu T, Fiore A, Fontaine S. "Multi-Axial Testing of Thick Adhesive Bonded Joints of Fibre Reinforced Thermoplastic Polymers." *International Journal of Adhesion and Adhesives* 84 (2018): 37-47. <http://dx.doi.org/https://doi.org/10.1016/j.ijadhadh.2018.02.006>.

Cadu T, Bergès M, Sicot O, Person V, Piezel B, Van Schoors L, Placet V, Corn S, Léger R, Divet L, Ienny P, Fontaine S. "What Are the Key Parameters to Produce a High-Grade Bio-Based Composite ? Application to Flax/Epoxy Ud Laminates Produced by Thermocompression." *Composites Part B : Engineering* 150 (2018): 36-46. <http://dx.doi.org/https://doi.org/10.1016/j.compositesb.2018.04.059>.

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Bergès M, Léger R, Corn S, Piezel B, Person V, Placet V, Fontaine S, Ienny P. *Bio-Composites for Structural Urban Outdoor Applications - a Study of the Impact of Fiber Content on the Durabilité of Flax Fiber-Reinforced Epoxy Composites*. 2018.

Stochioiu C, Chettah A, Piezel B, Fontaine S, Gheorghiu H.M. *Study of the Time Varying Properties of Flax Fiber Reinforced Composites*. 2018.

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Cadu T, Sicot O, Van Schoors L, Keita E, Divet L, Fontaine S. *Mise En Œuvre D'un Stratifié Bio-Sourcé. Influence Des Paramètres Procédé Sur Les Propriétés Du Composite À Base De Lin* 2018.

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Stochioiu C, Piezel B, Chettah A, Fontaine S, Gheorghiu H.M. *Viscoelastic Testing of a Flax Fiber-Epoxy Resin Composite Laminate*. 2017.

Stochioiu C, Chettah A, Piezel B, Fontaine S, Gheorghiu H.M. *Basic Modeling of the Visco Elastic Behavior of Flax Fiber Composites*. 2017.

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Stochioiu C., Fontaine S., Gheorghiu H.M., Creep testing of epoxy resin-flax fiber composites, *Proceedings in Manufacturing Systems*, Volume 12, issue 1, page 17, Bucarest 2017.

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Cadu C, Sicot O, Van Schoors L, Keita E, Divet L, Fontaine S. *Impacts Des Paramètres De Mise En Œuvre Puis D'un Vieillessement Hygrothermique Sur Les Propriétés Mécaniques Et Physico-Chimiques D'un Stratifié Unidirectionnel Lin – Époxy*. 2017.

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Cadu T, Van Schoors L, Sicot O, Keita E, Divet L, Fontaine S. *Influence Des Conditions De Fabrication Sur Les Propriétés Mécaniques Et Physico-Chimiques D'un Composite Lin/Époxy Unidirectionnel*. 2017.

François C, Pourchet S, Plasseraud L, Boni G, Fontaine S, Gaillard Y, Placet V, Rautiainen S, Samec J, Fournier L, Robert C, Thomas C.M. *Towards Fully Bio-Based Thermosets: From Prepolymers Synthesis to Composite Applications*. 2017.

François C, Plasseraud L, Pourchet S, Boni G, Placet V, Fontaine S, Beaugrand J, Champion D. *Etude D'un Procédé De Traitement Innovant Des Fibres De Chanvre Sous Condition De Fluide Supercritique Et Propriétés Induites*. 2017.

Hurez A, Gong X, Ge Y, De Luycker E. *Test De Délaminage De Composites En Mode Iii Pur Du Type Erct (Edge Ring Crack Torsion)*. 2017.

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Argoud N, Fontaine S, Piezel B, Rousseau J. *Multi Axial Testing of Adhesively Bonded Joints of Fiber Reinforced Thermoplastic Polymers*. Vol. 104. *Matériaux & Techniques*, 2015.

Gong X.J , Cheng P, Aivazzadeh Sh, Xiao X. "Design and Optimization of Bonded Patch Repairs of Laminated Composite Structures." *Composite Structures* 123 (2015): 292-300.
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