

# Bibliographie Labo 2024

- [1] M. Benzarti et P. Henry, « An INNOVative Approach for Mechanical Characterization of Coatings on Fibres », *Exp. Mech.*, oct. 2024, Volume 65, pages 25–34, (2025), doi: 10.1007/s11340-024-01117-2.
- [2] F. Khoffi, A. C. Mills, M. W. King, et F. Heim, « Biological tissue for transcatheter aortic valve: The effect of crimping on fatigue strength », *J. Mech. Behav. Biomed. Mater.*, vol. 160, p. 106741, déc. 2024, doi: 10.1016/j.jmbbm.2024.106741.
- [3] L. Christ, S. Kuntz, D. Vakhitov, L. Raibaut, N. Neumann, F. Heim *et al.*, « Mechanisms of the Potential Failures of the Nellix Device. An Explant Analysis », *Ann. Vasc. Surg.*, vol. 109, p. 567, déc. 2024, doi: 10.1016/j.avsg.2024.07.076.
- [4] M. Zidi, F. Khoffi, E. Girault, A. Eidenschenk, R. Barbet, A. Tazibt, F. Heim, et S. Msahli, « Medical textile implants: hybrid fibrous constructions towards improved performances », *Biomed. Eng. Biomed. Tech.*, vol. 69, n° 4, p. 355-365, août 2024, doi: 10.1515/bmt-2023-0335.
- [5] J. Li, N. Hamila, E. Guzman-Maldonado, G. L'Hostis, et P. Wang, « Numerical modeling and simulation prediction of the forming process of 3D-tubular braided composite reinforcements », *Thin-Walled Struct.*, vol. 205, p. 112426, déc. 2024, doi: 10.1016/j.tws.2024.112426.
- [6] B. Weiland, F. Leclinche, A. Kaci, B. Camillieri, B. Lemaire-Semail, et M.-A. Bueno, « Tactile simulation of textile fabrics: Design of simulation signals with regard to fingerprint », *Tribol. Int.*, vol. 191, p. 109113, mars 2024, doi: 10.1016/j.triboint.2023.109113.
- [7] Y. Wang, J. Guo, X. Li, S. Krugl, Y. Jiao, et P. Wang, « Towards yarn-to-yarn friction behavior in various architectures during the manufacturing of engineering woven fabrics », *Compos. Part A: Appl. Sci. Manuf.*, vol. 185, p. 108363, oct. 2024, doi: 10.1016/j.compositesa.2024.108363.
- [8] D. Vakhitov, J. Grandhomme, S. Kuntz, L. Christ, N. Neumann, F. Heim *et al.* « Type IIIb Endoleaks: Fabric Perforations of Explanted New Generation Endoprostheses », *European J. of Vasc. and Endovasc. Surg.*, vol. 67(3), p. 446-453, mars 2024, doi.org/10.1016/j.ejvs.2023.09.019.
- [9] B. Grossi, S. Barati, A. Ramella, F. Migliavacca, J.F.Rodriguez Matas, G.Dubini, N.Chakfé, F. Heim *et al.*, « Validation evidence with experimental and clinical data to establish credibility of TAVI patient-specific simulations », *Comput. Biol. Med.*, vol. 182, p. 109159, nov. 2024, doi: 10.1016/j.compbiomed.2024.109159.
- [10] K. Belhadj, A. Helali, N. Ben Guedria, O.A. Harzallah, L. Idoumghar, C. Bouraoui, « Damage assessment in plate structures using an enhanced Jaya algorithm », *Engineering Optimization*, vol. 56 (12), p 2213-2241, janv. 2025, doi.org/10.1080/0305215X.2024.2304131.
- [11] L. Mouchnino, B. Camillieri, J. Faucheu, M. Juganaru, A. Moinon, J. Blouin, et M.-A. Bueno, « Seeing the piles of the velvet bending under our finger sliding over a tactile stimulator improves the feeling of the fabric », *J. R. Soc. Interface*, vol. 21, n° 220, p. 20240368, nov. 2024, doi: 10.1098/rsif.2024.0368.
- [12] F. Biguenet, R. Stämpfli, S. Krügl, T. Georges, D. Dupuis, R.M. Rossi, et M.-A. Bueno, « Forced wetting of hydrophobic knitted fabrics analyzed with X-ray imaging », *Text. Res. J.*, vol. 94, n° 1-2, p. 90-107, janv. 2024, doi: 10.1177/00405175231201168.
- [13] H. Dhim, F. Leclinche, E. Drean, D. Adolphe, et V. Zimpfer, « Impact of easy-care and softener treatments on fabric frictional noise properties: a study on two protective fabrics », *Text. Res. J.*, p. 00405175241284048, oct. 2024, doi: 10.1177/00405175241284048.
- [14] W. Mahjoub, S. Ukhnaa, J.-Y. Drean, et O. Harzallah, « Influence of Genetic and Non-Genetic Factors on the Physical and Mechanical Properties of Mongolian Cashmere Fiber Properties », *Fibers*, vol. 12, n° 10, Art. n° 10, oct. 2024, doi: 10.3390/fib12100084.
- [15] J. Hu, C. Hui, X. Legrand, J. Zhao, H. Shen, et P. Wang, « Investigating the Influence of Tufting Parameters on the Lap Joint Strength of Composite Parts Assembled Using Tufting Technology », *Appl. Compos. Mater.*, vol. 31, n° 3, p. 881-895, juin 2024, doi: 10.1007/s10443-023-10200-1.

- [16] S. Giljean, Y. Gaillard, C. Rousselot, C. Bouillet, M. Lenertz, F. Richard, et M.-J. Pac, « A mechanical TiAl/TiAlN multilayer coating model based on microstructural analysis and nanoindentation », *Acta Mater.*, vol. 280, p. 120312, nov. 2024, doi: 10.1016/j.actamat.2024.120312.
- [17] T. Jeannin, G. Arnold, A. Bourmaud, S. Corn, E. De Luycker, P. J.J. Dumont, M. Ferreira, C. François, M. Grégoire, O. Harzallah *et al.*, « A round-robin study on the tensile characterization of single fibres: A multifactorial analysis and recommendations for more reliable results », *Compos. Part A: Appl. Sci. Manuf.*, vol. 185, p. 108323, oct. 2024, doi:10.1016/j.compositesa.2024.108323.
- [19] S. Fogue Matchum, N. Rodrigue Sikame Tagne, P. William Huisken Mejouyo, S. Tido Tiwa, B. Wenga, E. Njeugna, J.Y. Drean, S. Bistac-Brogly, O. Harzallah *et al.*, « Investigation of chemical, physical and morpho-mechanical properties of banana-plantain stalk fibers for ropes and woven fabrics used in composite and limited-lifespan geotextile », *Heliyon*, vol. 10, n° 8, p. e29656, avr. 2024, doi: 10.1016/j.heliyon.2024.e29656.
- [20] W. Mahjoub, A. Petrela, J.-Y. Drean, et O. Harzallah, « Study of the Variability of the Physical and Mechanical Properties of Chinchilla Hair », *J. Nat. Fibers*, vol. 21, n° 1, p. 2390076, déc. 2024, doi: 10.1080/15440478.2024.2390076.
- [21] A. Decker, J.-Y. Drean, V. Sarazin, et O. Harzallah, « Influence of Different Retting on Hemp Stem and Fiber Characteristics Under the East of France Climate Conditions », *J. Nat. Fibers*, vol. 21, n° 1, p. 2350621, déc. 2024, doi: 10.1080/15440478.2024.2350621.
- [22] M. Medewou, P. Chetangny, V. Zogbochi, D. Chamagne, G. Barbier *et al.*, « Transient Stability Assessment of the West African Power Pool Frequency Control Area II Using Software Cyme PSAF », *Scientific African*, sept. 2024, doi: 10.2139/ssrn.4952368.
- [23] H. Shen, J. Zhao, S. Xiao, et P. Wang, « Exploring deformability in 3D tufted composite reinforcements: Understanding bending behaviors in forming applications », *Compos. Struct.*, vol. 354, p. 118753, janv. 2025, doi: 10.1016/j.compstruct.2024.118753.
- [24] F. Biguenet, S. Melki, et D. Dupuis, « Forced wetting of hydrophobic flocked pile fabrics », *J. Text. Inst.*, vol. 115, n° 12, p. 2478-2488, déc. 2024, doi: 10.1080/00405000.2023.2296004.
- [25] U. T. Prodjinotho, P. Koffi Chetangny, M. Bienvenu Agbomahena, V. Zogbochi, L. Medewou, G. Barbier *et al.*, « Long Term Forecasting of Peak Demand and Annual Electricity Consumption of the West African Power Pool Interconnected Network by 2032 », *Int. J. Energy Power Eng.*, vol. 13, n° 2, Art. n° 2, avr. 2024, doi: 10.11648/j.ijepe.20241302.11.
- [26] N. Defo, O. Harzallah, R. Nicodème Tagne Sikame, E. Njeugna, et S. Bistac, « Effect of alkaline treatment on hard vegetable shells on the properties of biobased abrasive wheels », *Compos. Part A: Appl. Sci. Manuf.*, vol. 184, p. 108278, sept. 2024, doi: 10.1016/j.compositesa.2024.108278.
- [27] S. M. Tchike, P. Koffi Chetangny, V. Zogbochi, B. Macaire Agbomahena, J. Aredjodoun, H. Amededjihunde Jordan Hounnou, S. Houndedako, G. Barbier *et al.* « Techno-Economic, Environmental and Efficiency Improvement of Telecom Base Transceiver Station Power Supply by Integrating Renewable Energies: The Case of Solar PV in Benin », *J. Electr. Syst.*, vol. 20, n° 3, Art. n° 3, août 2024, doi:
- [28] P. K. Chetangny, P. Koffi Chetangny, M. Franck KPASSASSI, V. Zogbochi, B. Macaire Agbomahena, G. Barbier *et al.*, « Multi-criteria Analysis for the Selection of Sites Suitable for PV Solar Power Plants Connected to the Electricity Network in Northern Benin », *J. Electr. Syst.*, vol. 20, n° 3, Art. n° 3, août 2024.