

Multiscale thermomechanical properties of biocomposites: Nanoindentation analysis

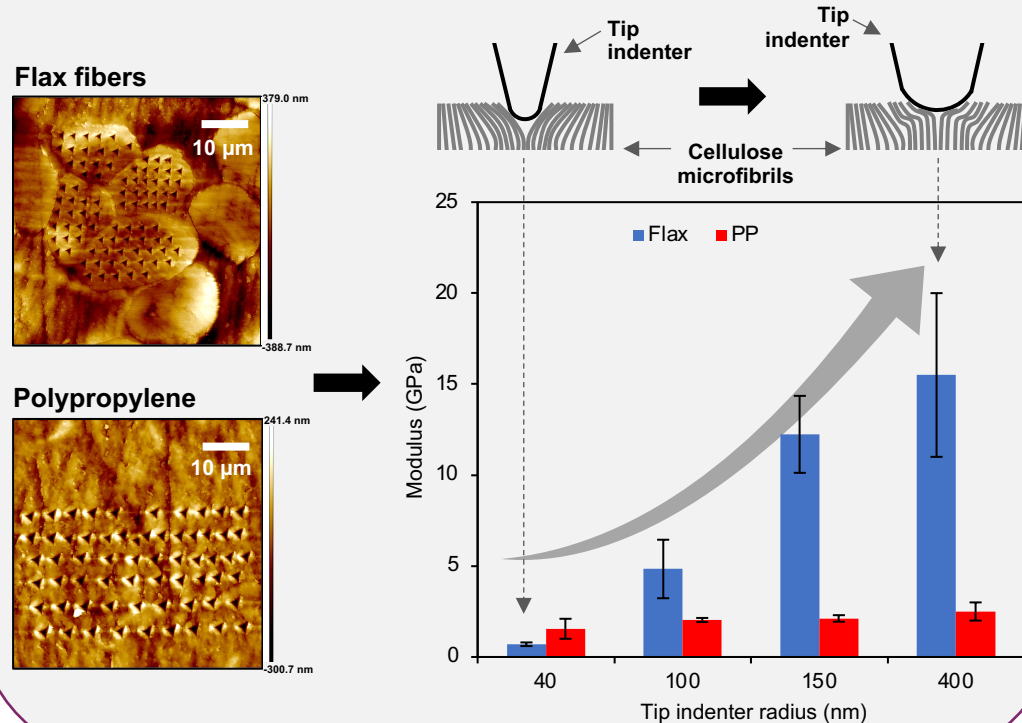
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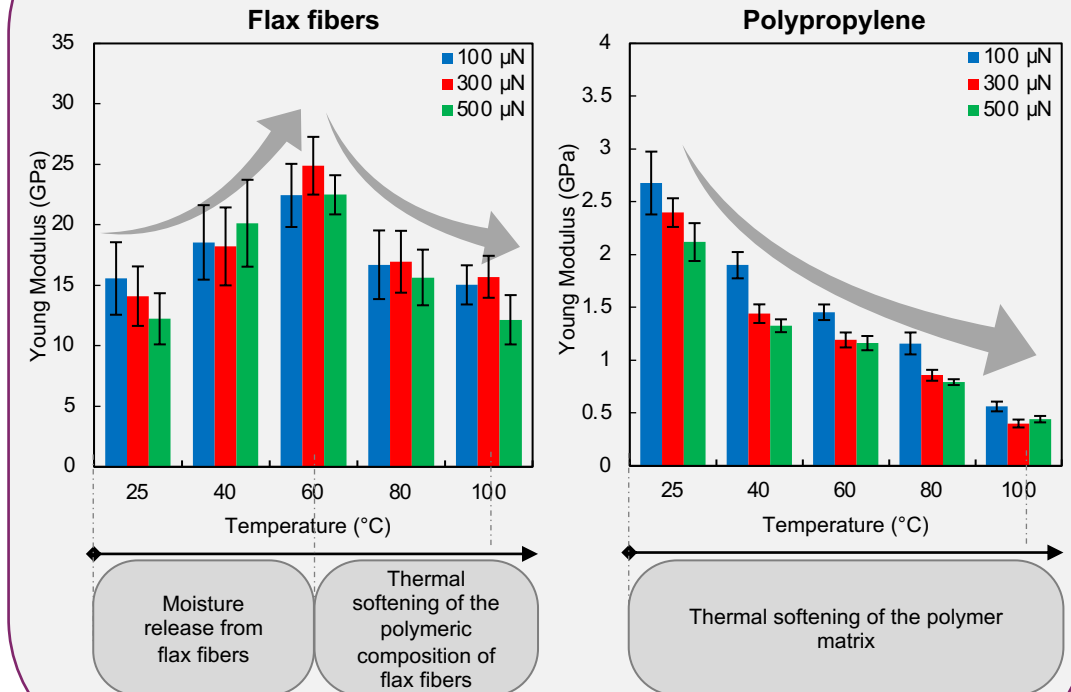
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Scale effect in natural flax fibers



Thermal effect on mechanical properties



❑ Chegdani, F., Wang, Z., El Mansori, M., Bukkapatnam, S.T.S. "Multiscale tribo-mechanical analysis of natural fiber composites for manufacturing applications", Tribology International, Vol. 122, 2018, pp. 143-150

❑ Chegdani, F., El Mansori, M., Bukkapatnam, S.T.S., El Amri, I. "Thermal effect on the tribo-mechanical behavior of natural fiber composites at micro-scale", Tribology International, Vol. 149, 2020, art. no. 105831