



## Journal of Natural Fibers >

Volume 19, 2022 - [Issue 17](#)

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Research Article

# Keratin Modified and Functionalized as a Reinforcement and Nucleation Agent of $\beta$ -Polypropylene Composites

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Pages 15448-15458 | Published online: 07 Oct 2022

 Cite this article  <https://doi.org/10.1080/15440478.2022.2128144>



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## ABSTRACT

A new green  $\beta$  nucleating agent has been obtained from industrial waste. This way, pimelic acid (PA) was chemically supported on treated keratin fibers to promote the  $\beta$  polymorph into a polypropylene matrix using several percentages of reinforcement (0.5,