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Recycled-Fibre Yarns from Textile Waste: Process and Performance

Duarte Brás[1], Tiago Azevedo[1], Ana Catarina Silva[1], Diego Chaves[1], Raul Fangueiro[1], Diana P. Ferreira[1]

[1]Centre for Textile Science and Technology (2C2T), University of Minho, Guimarães, Portugal

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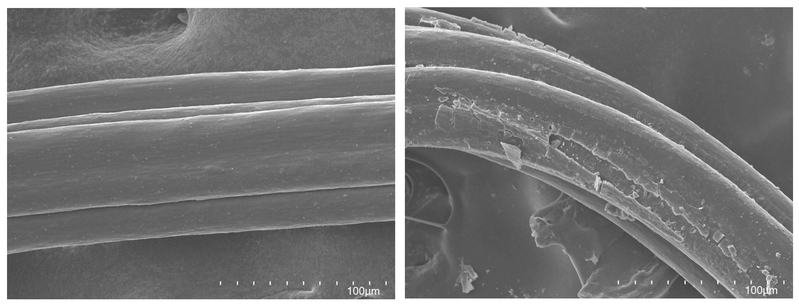
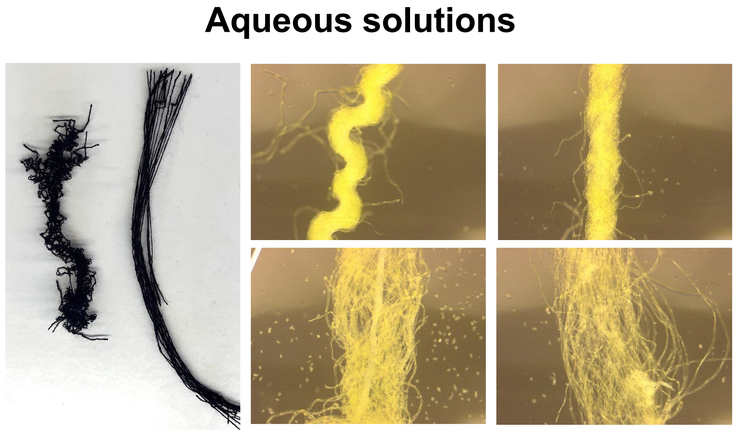
Textile waste

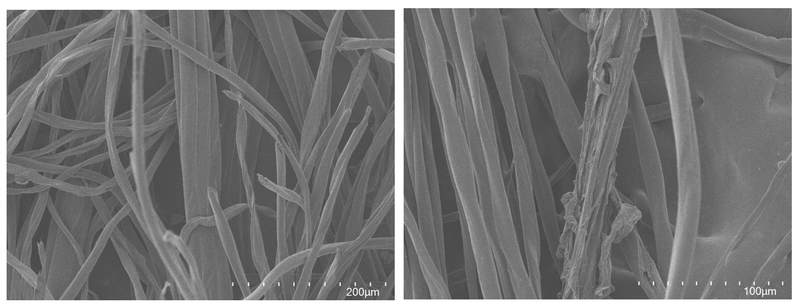
Removal/Degradation of elastane



Aqueous solutions



Alternative organic solvents

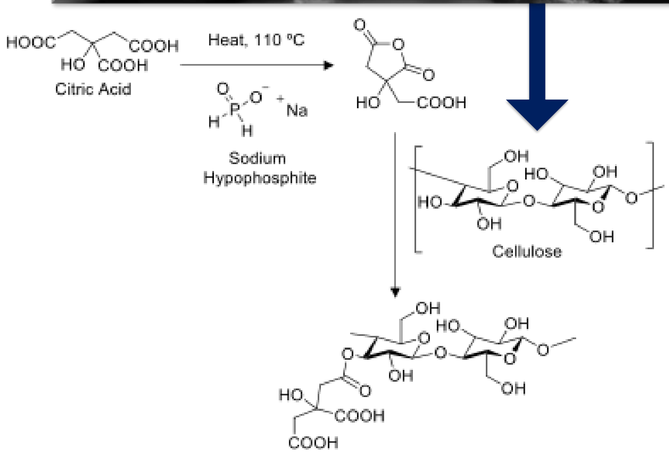


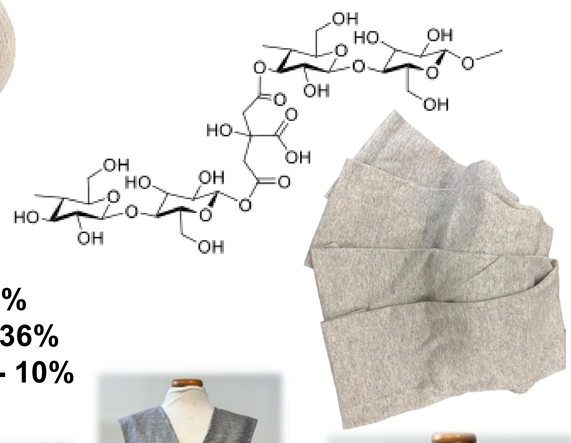
Shredding

Removal/Degradation of elastane

Treatments to improve fibre quality

New Yarn





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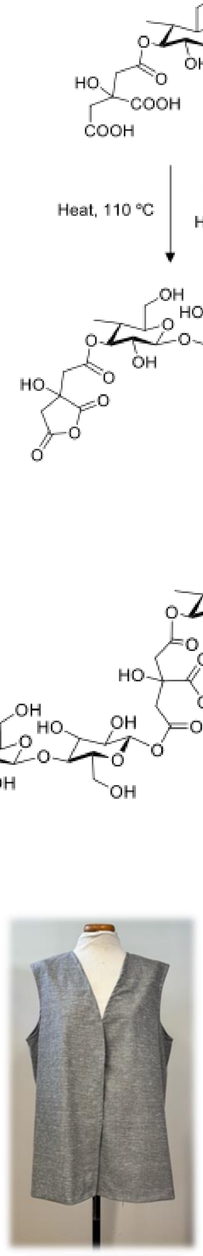

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creative texagility
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Riopele SINCE 1927
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Paulo de Oliveira
Lanifício
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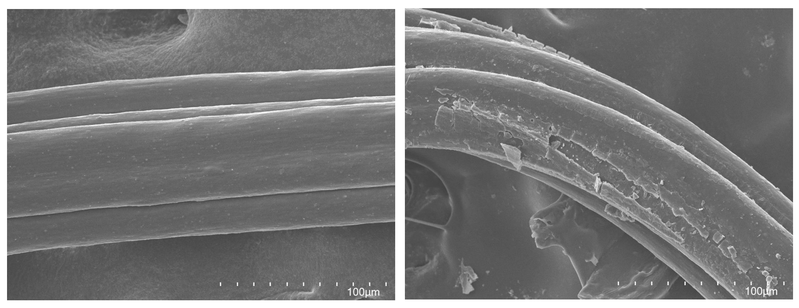
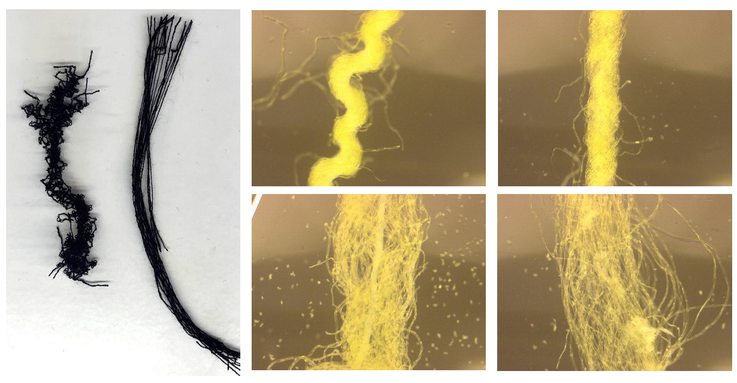
Textile waste

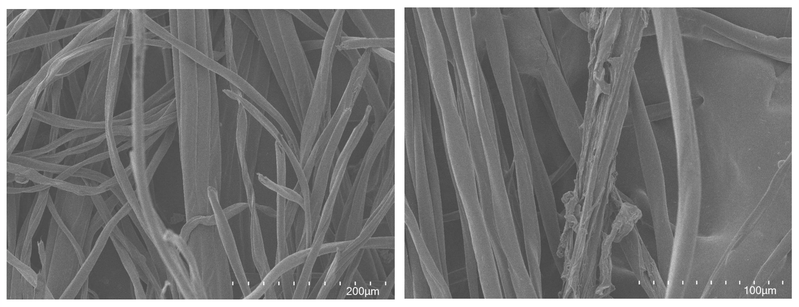


Removal/Degradation of elastane

Aqueous solutions



Alternative organic solvents

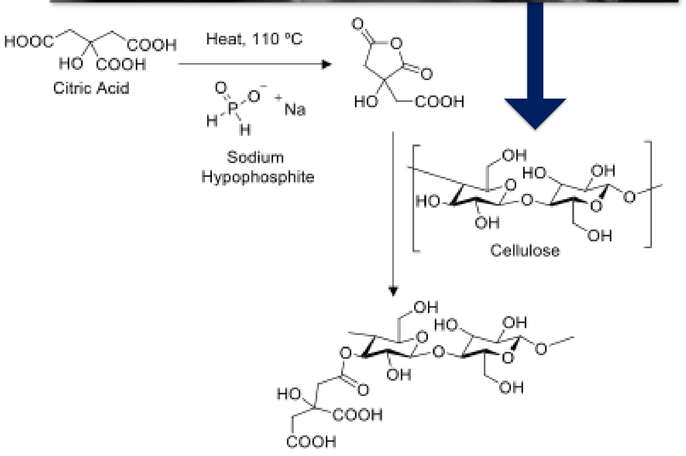


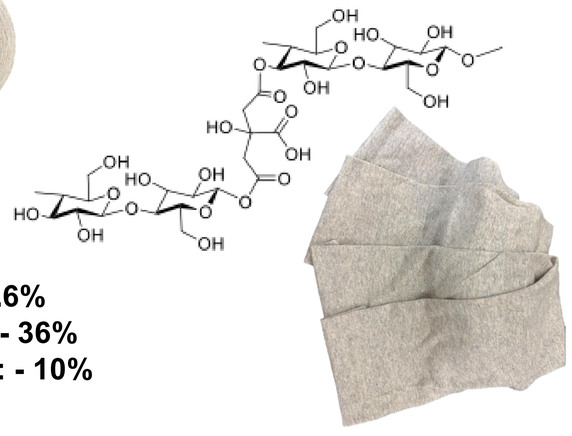
Shredding

Removal/Degradation of elastane

Treatments to improve fibre quality

New Yarn





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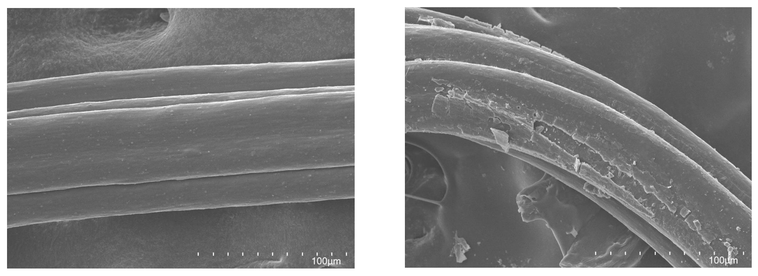
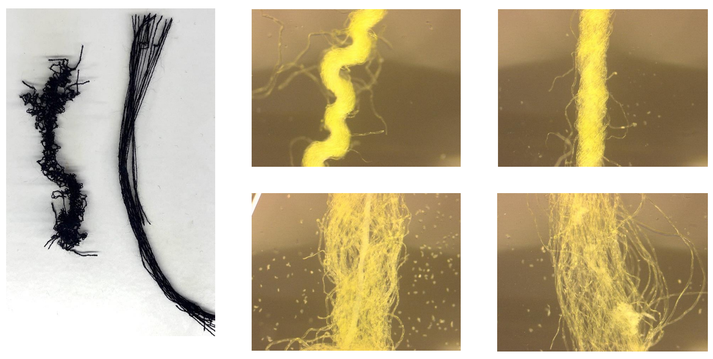
Textile waste



Aqueous solutions

Removal/Degradation of elastane

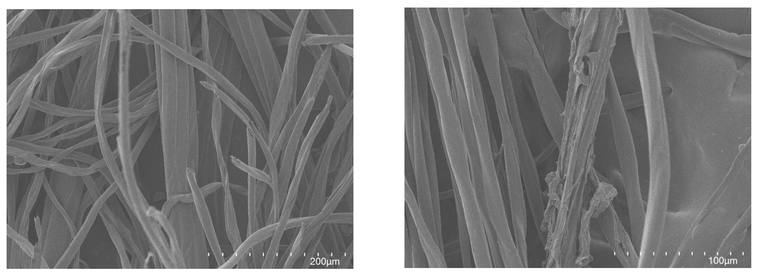
Shredding



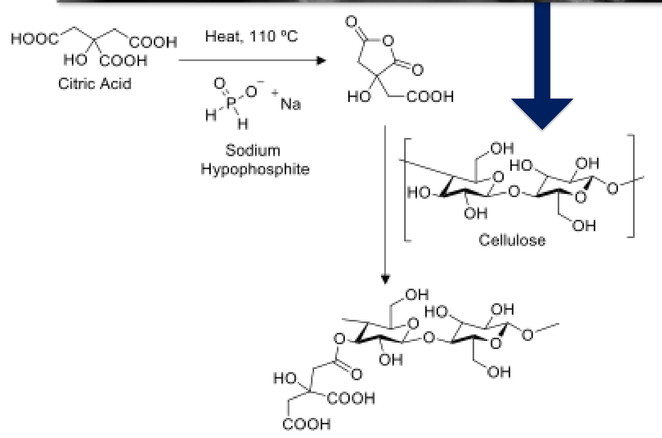
Alternative organic solvents

Removal/Degradation of elastane

Treatments to improve fibre quality



New Yarn



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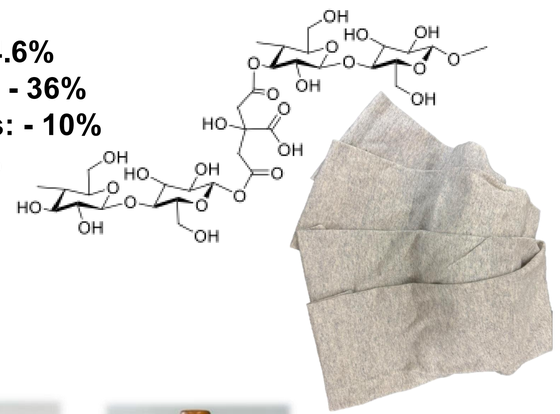

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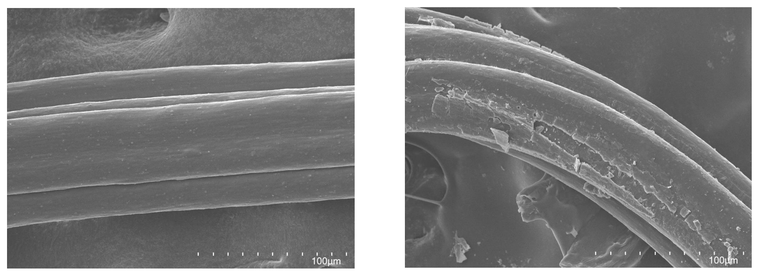

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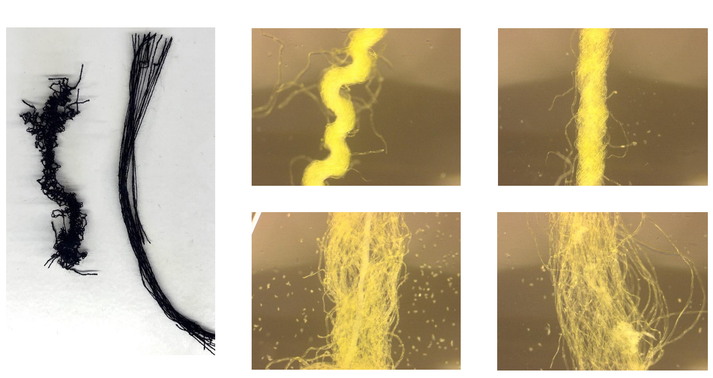

Shredding

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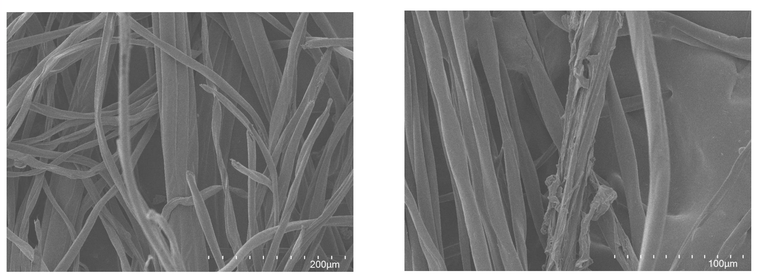

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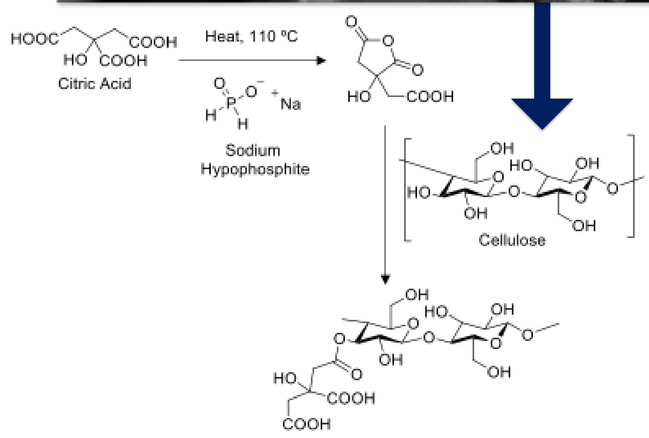

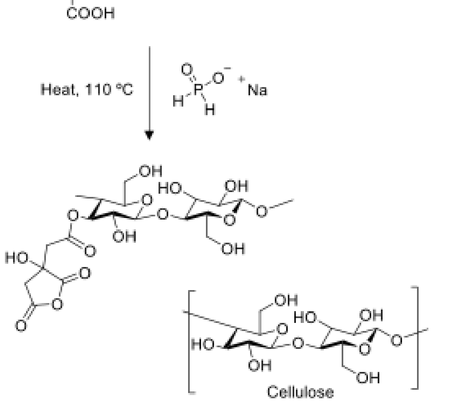

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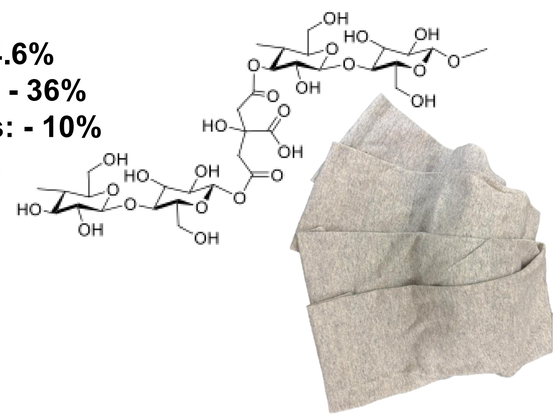

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