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## Comparison of morphological properties of xylan nanohydrogels produced by enzymatic and chemical methods

Annie Chimphango Stellenbosch University, South Africa

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## **Biography**

Dr. Annie Chimphango is a Senior Lecture at Stellenbosch University, Department of Process Engineering. She holds a Master Degree in Agricultural and Bioresource Engineering from McGill University, Canada and a PhD in Chemical Engineering from Stellenbosch University. She has published papers in reputable Journals on enzymatic modification of hemicelluloses to form nano-hydrogels and their application in pulp and paper and their use as encapsulation matrix for bioactive substances . Her research focus is on value addition to agro-residues and process waste through production of high value materials such as hydrogels and nanocellulose using biological methods.

achimpha@sun.ac.za

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