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Author: Daniela Huber Gregor Tegl Martina Baumann Eva Sommer Elham Ghorbani Gorji Nicole Borth Gerhard Schleining Gibson S. Nyanhongo Georg M. Guebitz



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Chitosan hydrogel formation using laccase activated phenolics as cross-linkers

Daniela Huber^a, Gregor Tegl^a, Martina Baumann^b, Eva Sommer^a, Elham Ghorbani Gorji^c, Nicole Borth^{b,d}, Gerhard Schleining^c, Gibson S. Nyanhongo^{*,a,c}, Georg M. Guebitz^{a,b}

^a*Institute of Environmental Biotechnology, IFA Tulln, University of Natural Resources and Life Sciences, Vienna, Konrad Lorenz Strasse 20, 3430 Tulln, Austria*

^b*ACIB - Austrian Centre of Industrial Biotechnology, Petersgasse 14, 8010 Graz, Austria*

^c*Department of Food Science and Technology, University of Natural Resources and Life Sciences, Vienna, Muthgasse 18, 1190 Wien*

^d*Department of Biotechnology, University of Natural Resources and Life Sciences (BOKU), Muthgasse 18, 1190 Vienna, Austria*

^e*Botswana International University of Science and Technology, Private Bag 16, Palapye, Botswana*

**Corresponding author: g.nyanhongo@boku.ac.at*

Highlights

- Laccase can catalyze the formation of phenolic-chitosan hydrogels.
- Chitosan hydrogels demonstrated good swelling and methylene blue release abilities.
- Chitosan hydrogels are biocompatible.
- Hydrogels and their formation were characterized with several analytic methods.

ABSTRACT

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