

Accepted Manuscript

Title: Synthesis Of Bacterial Cellulose Using Hot Water
Extracted Wood Sugars

Author: Esra Erbas Kiziltas Alper Kiziltas Douglas J. Gardner



PII: S0144-8617(15)00067-3
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2015.01.036>
Reference: CARP 9624

To appear in:

Received date: 7-11-2014
Revised date: 18-1-2015
Accepted date: 22-1-2015

Please cite this article as: Kiziltas, E. E., Kiziltas, A., and Gardner, D. J., SYNTHESIS OF BACTERIAL CELLULOSE USING HOT WATER EXTRACTED WOOD SUGARS, *Carbohydrate Polymers* (2015), <http://dx.doi.org/10.1016/j.carbpol.2015.01.036>

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Highlights

- The present work is the first reported successful research effort to use wood hot water extract (HWE) for BC production.
- HWE is a residual material originating from pulp mills and lignocellulosic biorefineries was shown to be a suitable carbon source for bacterial cellulose production.
- This is an easy process for BC production from lignocellulosic feedstocks without using any modification of the HWE and culture nutrients.
- Glucose and xylose were the main nutrient sources in all BC cultivations from wood HWE.

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