

## Accepted Manuscript

Title: Evaluation of Nanocellulose Carriers Produced by Four Different Bacterial Strains for Laccase Immobilization

Authors: Haibin Yuan, Lin Chen, Feng F. Hong, Meifang Zhu

PII: S0144-8617(18)30597-6  
DOI: <https://doi.org/10.1016/j.carbpol.2018.05.055>  
Reference: CARP 13637



To appear in:

Received date: 6-2-2018  
Revised date: 16-5-2018  
Accepted date: 16-5-2018

Please cite this article as: Yuan, Haibin., Chen, Lin., Hong, Feng F., & Zhu, Meifang., Evaluation of Nanocellulose Carriers Produced by Four Different Bacterial Strains for Laccase Immobilization. *Carbohydrate Polymers* (2018), <https://doi.org/10.1016/j.carbpol.2018.05.055>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Evaluation of Nanocellulose Carriers Produced by Four Different Bacterial Strains for Laccase Immobilization

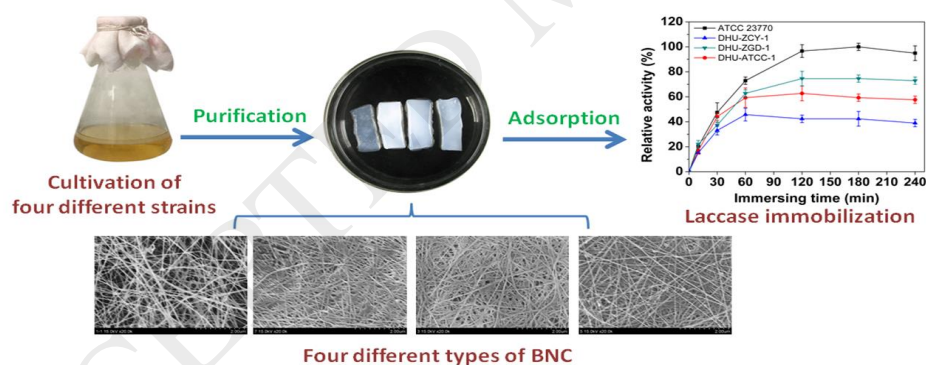
Haibin Yuan<sup>a,b</sup>, Lin Chen<sup>a\*</sup>, and Feng F. Hong<sup>a,b\*</sup>, Meifang Zhu<sup>a</sup>

<sup>a</sup> State Key Laboratory for Modification of Chemical Fibers and Polymer Materials, Donghua University, Shanghai 201620, P. R. China. E-mail: lchen@dhu.edu.cn

<sup>b</sup> Group of Microbiological Engineering and Industrial Biotechnology, College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, North Ren Min Road 2999, Shanghai 201620, P. R. China. E-mail: fhong@dhu.edu.cn

Corresponding Author: \*E-mail: lchen@dhu.edu.cn; fhong@dhu.edu.cn.

Table of Contents (TOC):



## Highlights

- Properties of BNC produced by four different strains were compared for laccase immobilization.
- Four types of BNC had significant structural differences in fiber density, diameter and distribution.
- BNC materials had various specific surface area, total pore volume, and average

Download English Version:

<https://daneshyari.com/en/article/7781950>

Download Persian Version:

<https://daneshyari.com/article/7781950>

[Daneshyari.com](https://daneshyari.com)