Accepted Manuscript

Fungal enzyme-mediated synthesis of chitosan nanoparticles and its biocompatibility, antioxidant and bactericidal properties

Kandasamy Saravanakumar, Ramachandran Chelliah, Davoodbasha MubarakAli, Elango Jeevithan, Deog-Hwan Oh, Kandasamy Kathiresan, Myeong-Hyeon Wang



PII: S0141-8130(18)32204-9

DOI: doi:10.1016/j.ijbiomac.2018.06.198

Reference: BIOMAC 10038

To appear in: International Journal of Biological Macromolecules

Received date: 8 May 2018 Revised date: 29 June 2018 Accepted date: 30 June 2018

Please cite this article as: Kandasamy Saravanakumar, Ramachandran Chelliah, Davoodbasha MubarakAli, Elango Jeevithan, Deog-Hwan Oh, Kandasamy Kathiresan, Myeong-Hyeon Wang, Fungal enzyme-mediated synthesis of chitosan nanoparticles and its biocompatibility, antioxidant and bactericidal properties. Biomac (2018), doi:10.1016/j.ijbiomac.2018.06.198

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.

ACCEPTED MANUSCRIPT

Fungal enzyme-mediated synthesis of chitosan nanoparticles and its biocompatibility, antioxidant and bactericidal properties

Kandasamy Saravanakumar^a, Ramachandran Chelliah^b, Davoodbasha MubarakAli^c, Elango

Jeevithan^d, Deog-Hwan Oh^b, Kandasamy Kathiresan^e and Myeong-Hyeon Wang^{a*}

^aDepartment of Medical Biotechnology, College of Biomedical Sciences, Kangwon National

University, Chuncheon, Gangwon, 24341, Republic of Korea.

^bDepartment of Food Science and Biotechnology College of Biotechnology and Bioscience,

Kangwon National University, Chuncheon, Gangwon, 24341, Republic of Korea.

^cNational Repository for Microalgae and Cyanobacteria – Freshwater (DBT, Govt. of India),

Department of Microbiology, Bharathidasan University, Tiruchirappalli – 620024, India.

^dDepartment of Marine Pharmacology, College of Food Science and Technology, Shanghai

Ocean University, Shanghai 201306, China

^eCentre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai

University, Parangipettai 608 502, Tamil Nadu, India

*Corresponding author

Myeong-Hyeon Wang

Professor

Department of Medical Biotechnology, College of Biomedical Science, Kangwon National

University, Chuncheon, Gangwon, 24341, Republic of Korea

Phone: +82-33-250-6486; Fax: +82-33-241-6480

Email: mhwang@kangwon.ac.kr

Download English Version:

https://daneshyari.com/en/article/10156847

Download Persian Version:

https://daneshyari.com/article/10156847

<u>Daneshyari.com</u>