

Accepted Manuscript

Title: Synthesis, characterization and antibacterial activity of hybrid chitosan-cerium oxide nanoparticles- as a bionanomaterials

Authors: R.P. Senthilkumar, V. Bhuvaneshwari, R. Ranjithkumar, S. Sathiyavimal, V. Malayaman, B. Chandarshekar



PII: S0141-8130(16)32727-1
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2017.03.139>
Reference: BIOMAC 7305

To appear in: *International Journal of Biological Macromolecules*

Received date: 30-11-2016
Revised date: 25-2-2017
Accepted date: 25-3-2017

Please cite this article as: R.P.Senthilkumar, V.Bhuvaneshwari, R.Ranjithkumar, S.Sathiyavimal, V.Malayaman, B.Chandarshekar, Synthesis, characterization and antibacterial activity of hybrid chitosan-cerium oxide nanoparticles- as a bionanomaterials, International Journal of Biological Macromolecules <http://dx.doi.org/10.1016/j.ijbiomac.2017.03.139>

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.

Synthesis, characterization and antibacterial activity of hybrid chitosan-cerium oxide nanoparticles- as a bionanomaterials

R.P.Senthilkumar¹, V. Bhuvaneshwari^{#1}, R. Ranjithkumar², S. Sathiyavimal¹, V.Malayaman³
and B. Chandarshekar⁴

¹Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore, Tamilnadu, India.

²Kirnd Institute of Research and Development, Tiruchirappalli, Tamilnadu, India.

³Departments of Botany, Jamal Mohamed College, Tiruchirappalli, Tamilnadu, India.

⁴Nanotechnology Research Lab, Department of Physics, Kongunadu Arts and Science College, Coimbatore, Tamilnadu, India.

Corresponding author Address

V. Bhuvaneshwari

Department of Biotechnology

Kongunadu Arts and Science College,

Coimbatore, Tamilnadu, India.

E-mail: bhuvana_bt@yahoo.co.in

E-mail: sensenthilsen@gmail.com

Download English Version:

<https://daneshyari.com/en/article/5511586>

Download Persian Version:

<https://daneshyari.com/article/5511586>

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