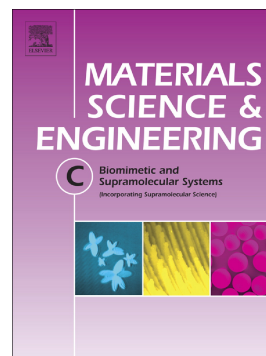


Accepted Manuscript

Molecular insights to alkaline based bio-fabrication of silver nanoparticles for inverse cytotoxicity and enhanced antibacterial activity

Suresh K. Verma, Ealisha Jha, Pritam Kumar Panda, Arun Thirumurugan, Shubhransu Patro, S.K.S. Parashar, Mrutyunjay Suar



PII: S0928-4931(18)30170-X
DOI: doi:[10.1016/j.msec.2018.07.037](https://doi.org/10.1016/j.msec.2018.07.037)
Reference: MSC 8749
To appear in: *Materials Science & Engineering C*
Received date: 16 January 2018
Revised date: 21 May 2018
Accepted date: 14 July 2018

Please cite this article as: Suresh K. Verma, Ealisha Jha, Pritam Kumar Panda, Arun Thirumurugan, Shubhransu Patro, S.K.S. Parashar, Mrutyunjay Suar , Molecular insights to alkaline based bio-fabrication of silver nanoparticles for inverse cytotoxicity and enhanced antibacterial activity. Msc (2018), doi:[10.1016/j.msec.2018.07.037](https://doi.org/10.1016/j.msec.2018.07.037)

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.

Molecular insights to alkaline based bio-fabrication of silver nanoparticles for inverse cytotoxicity and enhanced antibacterial activity

Suresh K Verma¹, Ealisha Jha², Pritam Kumar Panda³, Arun Thirumurugan⁴, Shubhransu Patro⁵, SKS Parashar⁶, Mrutyunjay Suar^{1*}

¹School of Biotechnology
KIIT University
Bhubaneswar, Orissa, 751024, India

²Memorial University of Newfoundland
Department of Physics and Physical Oceanography
St. John's, Newfoundland and Labrador
NL A1C 5S7 Canada

³ University of Freiburg
Division of Paediatric, Haematology and Oncology
Freiburg, Germany, 79106

⁴Advanced Materials Laboratory
Department of Mechanical Engineering
Faculty of Mathematical and Physical Sciences
University of Chile, Santiago
CHILE

⁵Kalinga school of Medical Sciences
KIIT University
Bhubaneswar, Orissa, 751024, India

⁶School of Applied Sciences
KIIT University
Bhubaneswar, Orissa, 751024, India

**msuar@kiitbiotech.ac.in, msbiotek@yahoo.com*

Ph: +91 674 2725732, 2725466

Download English Version:

<https://daneshyari.com/en/article/7866158>

Download Persian Version:

<https://daneshyari.com/article/7866158>

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