Accepted Manuscript

Biopolymer gelatin-coated zinc oxide nanoparticles showed high antibacterial, antibiofilm and anti-angiogenic activity



Mani Divya, Baskaralingam Vaseeharan, Muthukumar Abinanya, Sekar Vijayakumar, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli

PII:	S1011-1344(17)31221-6
DOI:	doi:10.1016/j.jphotobiol.2017.11.008
Reference:	JPB 11050
To appear in:	Journal of Photochemistry & Photobiology, B: Biology
Received date:	27 September 2017
Revised date:	2 November 2017
Accepted date:	5 November 2017

Please cite this article as: Mani Divya, Baskaralingam Vaseeharan, Muthukumar Abinanya, Sekar Vijayakumar, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli , Biopolymer gelatin-coated zinc oxide nanoparticles showed high antibacterial, antibiofilm and anti-angiogenic activity. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jpb(2017), doi:10.1016/j.jphotobiol.2017.11.008

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

Biopolymer gelatin-coated zinc oxide nanoparticles showed high antibacterial, antibiofilm and anti-angiogenic activity

Mani Divya ^a, Baskaralingam Vaseeharan ^a*, Muthukumar Abinanya ^a, Sekar Vijayakumar^a, Marimuthu Govindarajan ^{b,c}, Naiyf S. Alharbi^d, Shine Kadaikunnan^d, Jamal M. Khaled^d, Giovanni Benelli^{e,f}

^a Crustacean Molecular Biology and Genomics Division, Biomaterials and Biotechnology in Animal Health Lab, Department of Animal Health and Management, Alagappa University, Science Block, 6th floor, Burma colony, Karaikudi-630 004, Tamil Nadu, India
^b Unit of Vector Control, Photochemistry and Nanotechnology, Department of Zoology, Annamalai University, Annamalainagar-608 002, Tamil Nadu, India
^c Department of Zoology. Government College for Women, Kumbakonam-612001, Tamil

Nadu, India

^dDepartment of Botany and Microbiology, College of Science, King Saud University,

Riyadh 11451, Saudi Arabia

^e Department of Agriculture, Food and Environment, University of Pisa, via del Borghetto 80, 56124 Pisa, Italy

^f The BioRobotics Institute, Scuola Superiore Sant'Anna, Viale Rinaldo Piaggio 34, 56025 Pontedera, Pisa, Italy

1

Download English Version:

https://daneshyari.com/en/article/6493420

Download Persian Version:

https://daneshyari.com/article/6493420

Daneshyari.com