## **Accepted Manuscript**

Nanostructured ZnO on cotton fabrics - A novel flexible gas sensor & UV filter

Dinesh Kumar Subbiah, Ganesh Kumar Mani, K.Jayanth Babu, Apurba Das, John Bosco Balaguru Rayappan

PII: S0959-6526(18)31446-X

DOI: 10.1016/j.jclepro.2018.05.110

Reference: JCLP 12967

To appear in: Journal of Cleaner Production

Received Date: 2 November 2017

Revised Date: 2 April 2018
Accepted Date: 14 May 2018

Please cite this article as: Subbiah DK, Mani GK, Babu KJ, Das A, Balaguru Rayappan JB, Nanostructured ZnO on cotton fabrics – A novel flexible gas sensor & UV filter, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2018.05.110.

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

### Nanostructured ZnO on Cotton Fabrics - A Novel Flexible Gas Sensor & UV Filter

<sup>1</sup>Dinesh Kumar Subbiah, <sup>2</sup>Ganesh Kumar Mani, <sup>1</sup>K. Jayanth Babu, <sup>3</sup>Apurba Das and <sup>1</sup>John Bosco Balaguru Rayappan\*

<sup>1</sup>Centre for Nano Technology & Advanced Biomaterials (CeNTAB) and School of Electrical & Electronics Engineering (SEEE)

SASTRA Deemed University, Thanjavur 613 401, India

<sup>2</sup>Micro / Nano Technology Center, Tokai University, Hiratsuka, Kanagawa, 259-1292, Japan <sup>3</sup>Depatment of Textile Technology, Indian Institute of Technology, New Delhi – 110 016

\* Corresponding author

Prof. John Bosco Balaguru Rayappan, Ph.D.

Centre for Nanotechnology & Advanced Biomaterials (CeNTAB) &

School of Electrical & Electronics Engineering

SASTRA Deemed University

Thanjavur – 613 401

India

Phone: +91 4362 264 101; Ext: 2255

Fax: +91 4362 264120

E-mail: rjbosco@ece.sastra.edu

### Download English Version:

# https://daneshyari.com/en/article/8094250

Download Persian Version:

https://daneshyari.com/article/8094250

Daneshyari.com