

Accepted Manuscript

Title: Advances in catalytic/photocatalytic bacterial inactivation by nano Ag and Cu coated surfaces and medical devices

Authors: Sami Rtimi, Dionysios D. Dionysiou, Suresh C. Pillai, John Kiwi



PII: S0926-3373(18)30633-7
DOI: <https://doi.org/10.1016/j.apcatb.2018.07.025>
Reference: APCATB 16847

To appear in: *Applied Catalysis B: Environmental*

Received date: 28-4-2018
Revised date: 1-7-2018
Accepted date: 8-7-2018

Please cite this article as: Rtimi S, Dionysiou DD, Pillai SC, Kiwi J, Advances in catalytic/photocatalytic bacterial inactivation by nano Ag and Cu coated surfaces and medical devices, *Applied Catalysis B: Environmental* (2018), <https://doi.org/10.1016/j.apcatb.2018.07.025>

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.

Advances in catalytic/photocatalytic bacterial inactivation by nano Ag and Cu coated surfaces and medical devices

Sami Rtimi ^{1*}, Dionysios D. Dionysiou ², Suresh C. Pillai ^{3,4}, John Kiwi ¹

¹ Ecole Polytechnique Fédérale de Lausanne, EPFL-SB-ISIC-GPAO, Station 6, CH-1015, Lausanne, Switzerland

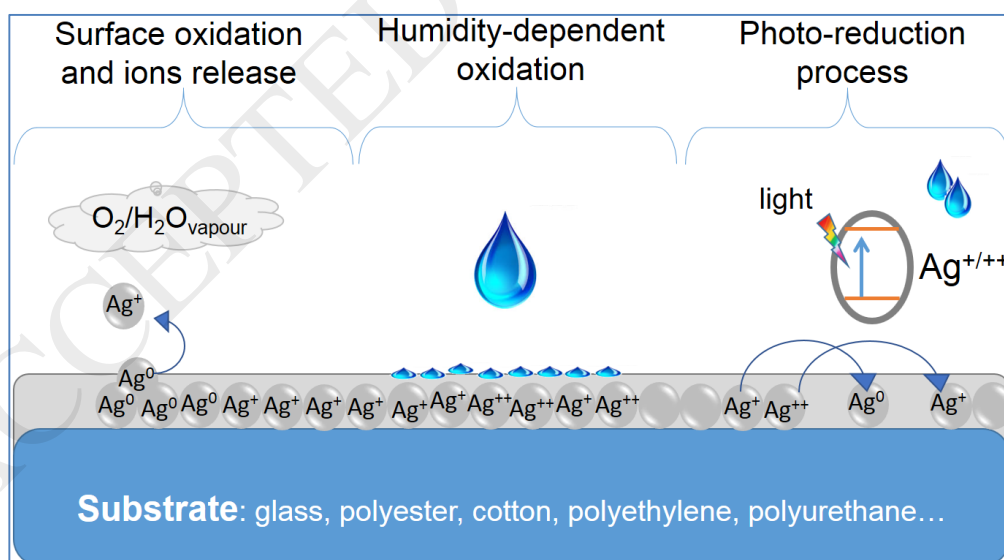
² Environmental Engineering and Science Program, Department of Chemical and Environmental Engineering (DChEE), 705 Engineering Research Center, University of Cincinnati, Cincinnati, OH 45221-0012, USA

³ Nanotechnology and Bio-Engineering Research Division, Department of Environmental Science, School of Science, Institute of Technology Sligo, Ash Lane, Sligo, Ireland

⁴ Centre for Precision Engineering, Materials, and Manufacturing Research (PEM), Institute of Technology Sligo, Sligo, Ireland

*Corresponding author: S Rtimi (sami.rtimi@epfl.ch), Tel: +41216936150.

Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/10138989>

Download Persian Version:

<https://daneshyari.com/article/10138989>

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