

## Accepted Manuscript

Title: Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles

Author: Nela Maráková Petr Humpolíček Věra Kašpárková  
Zdenka Capáková Lenka Martinková Patrycja Bober  
Miroslava Trchová Jaroslav Stejskal



PII: S0169-4332(16)32385-6  
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2016.11.024>  
Reference: APSUSC 34328

To appear in: *APSUSC*

Received date: 15-9-2016  
Revised date: 2-11-2016  
Accepted date: 4-11-2016

Please cite this article as: Nela Maráková, Petr Humpolíček, Věra Kašpárková, Zdenka Capáková, Lenka Martinková, Patrycja Bober, Miroslava Trchová, Jaroslav Stejskal, Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2016.11.024>

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.

## Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles

Nela Maráková<sup>a</sup>, Petr Humpolíček<sup>a</sup>, Věra Kašpárková<sup>a</sup>, Zdenka Capáková<sup>a</sup>, Lenka Martinková<sup>b</sup>, Patrycja Bober<sup>c</sup>, Miroslava Trchová<sup>c</sup>, Jaroslav Stejskal<sup>c,\*</sup>

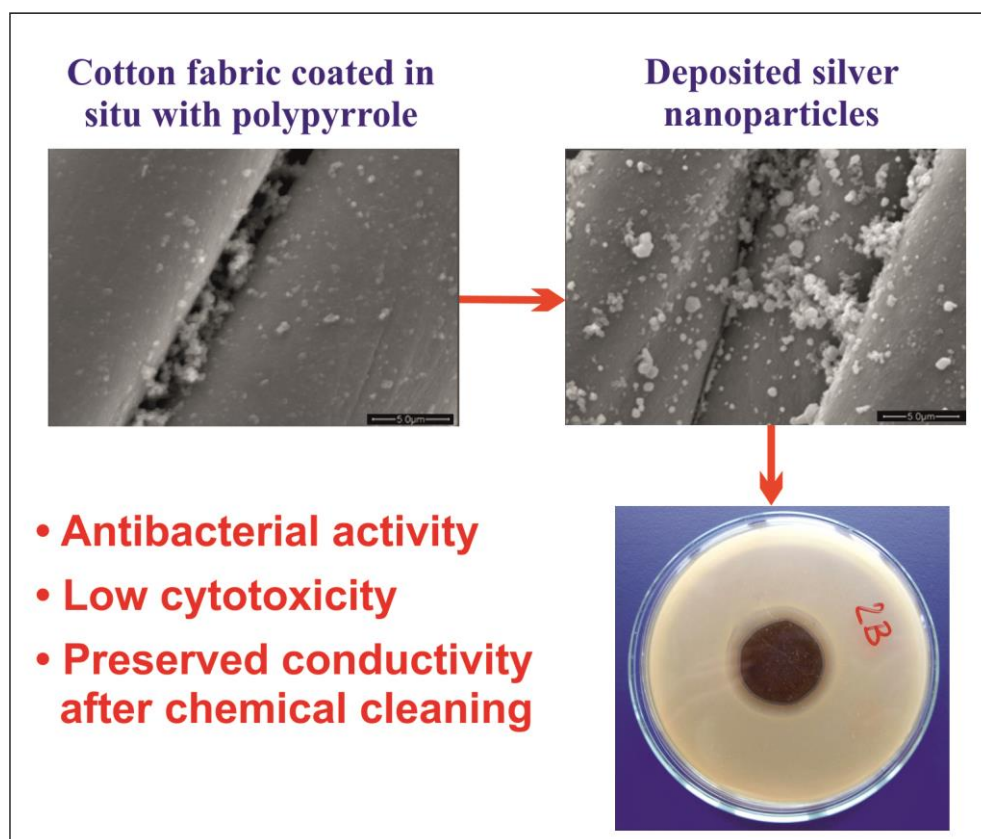
<sup>a</sup> Centre of Polymer Systems, University Institute, Tomas Bata University in Zlin, 760 01 Zlin, Czech Republic

<sup>b</sup> Inotex Ltd, 544 01 Dvůr Králové nad Labem, Czech Republic

<sup>c</sup> Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, 162 06 Prague 6, Czech Republic

\*Corresponding author. E-mail: [stejskal@imc.cas.cz](mailto:stejskal@imc.cas.cz) (J. Stejskal)

### Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/5352692>

Download Persian Version:

<https://daneshyari.com/article/5352692>

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