

Table of Contents

Journal of Nanotoxicology and Nanomedicine

Volume 1 • Issue 1 • January-June-2016 • ISSN: 2379-7452 • eISSN: 2379-7444

An official publication of the Information Resources Management Association

Editorial Preface

iv Bakhtiyor Rasulev, North Dakota State University, Fargo, ND, USA

Research Articles

1 Review of Current and Emerging Approaches for Quantitative Nanostructure-Activity Relationship Modeling: The Case of Inorganic Nanoparticles

Natalia Sizochenko, Interdisciplinary Center for Nanotoxicity, Jackson State University, Jackson, MS, USA
Jerzy Leszczynski, Interdisciplinary Center for Nanotoxicity, Jackson State University, Jackson, MS, USA

17 Quasi-SMILES for Nano-QSAR Prediction of Toxic Effect of Al₂O₃ Nanoparticles

Alla P. Toropova, IRCCS, Istituto di Ricerche Farmacologiche Mario Negri, Milan, Italy
P. Ganga Raju Achary, Department of Chemistry, Institute of Technical Education and Research (ITER), Siksha 'O' Anusandhan University, Bhubaneswar, India
Andrey A. Toropov, IRCCS, Istituto di Ricerche Farmacologiche Mario Negri, Milan, Italy

29 The Nano-Sized TiO₂ Dispersions for Mass Coloration of Polyimide Fibers: The Nano-Sized TiO₂ for Mass Coloration

Natalja Fjodorova, National Institute of Chemistry, Ljubljana, Slovenia
Marjana Novic, National Institute of Chemistry, Ljubljana, Slovenia
Tamara Diankova, St-Petersburg State University of Technology and Design, St. Petersburg, Russia
Anna Ostanen, St-Petersburg State University of Technology and Design, St. Petersburg, Russia

45 Transformation of Nanomaterials in Environment: Surface Activation of SWCNTs during Disinfection of Water with Chlorine

Corneliu Bogatu, Institute of Industrial Ecology, Timisoara, Romania
Danuta Leszczynska, Department of Civil and Environmental Engineering, Interdisciplinary Center of Nanotoxicity, Jackson State University, Jackson, MS, USA

COPYRIGHT

The **Journal of Nanotoxicology and Nanomedicine (JNN)** (ISSN 2379-7452; eISSN 2379-7444), Copyright © 2016 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *Journal of Nanotoxicology and Nanomedicine* is indexed or listed in the following: Cabell's Directories; Google Scholar; Ulrich's Periodicals Directory