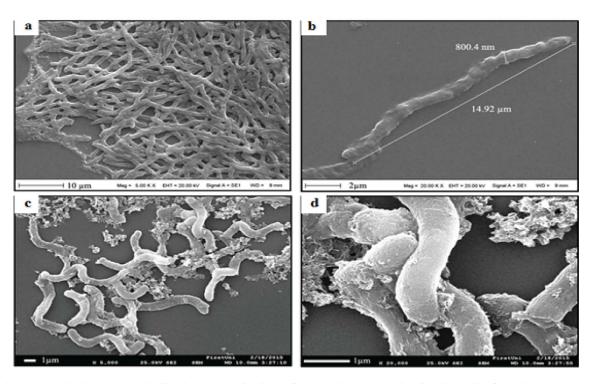
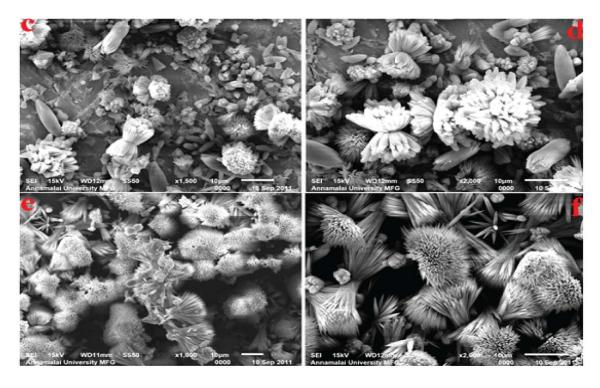
Volume 6 Issue 2

Open Access Journal



Funda Ersoy Atalay et al., Helical microtubules of nanostructured cobalt oxide for electrochemical energy storage applications



Kaliyan Palanisamy et al., An investigation into the effect of NTA on scale deposition from CaCO₃ sludge on copper metal surface

www.BiointerfaceResearch.com

Open Access Journal

Editor in Chief

Alexandru Mihai Grumezescu

Associate Editors

Michael R Hamblin, Harvard-MIT Division of Health Sciences and Technology, Cambridge, United States Badal Kumar Mandal, Environmental and Analytical Chemistry Division, School of Advanced Sciences, VIT University, India Carmen Chifiriuc, University of Bucharest, Faculty of Biology, Microbiology Immunology Department, Romania

Assistant Editor

Denisa Florea, Faculty of Medical Engineering, University Politehnica of Bucharest, Romania Valentina Grumezescu, National Institute for Lasers, Plasma & Radiation Physics, Lasers Department, P.O. Box MG-36, Bucharest-Magurele, Romania Florin Iordache, Flow Cytometry and Cell Therapy Laboratory, Institute of Cellular Biology and Pathology "Nicolae Simionescu" (ICBP), Bucharest, Romania Alexandra Elena Oprea, Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Romania Ioana Bălănuca, AMG Transcend, Romania

Editorial Board

- Center Way, Surge Building Room 110, University of California, San Laval, 1045 Avenue de la Médecine, Québec, QC G1V 0A6, Canada Francisco, CA 94143-0989, USA
- (2) Anton Ficai, Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials (20) Mu. Naushad, Department of Chemistry, College of Science, King Science, Politehnica University of Bucharest, Romania
- (3) Carmen Limban, University of Medicine and Pharmacy Carol Davila, Faculty of Pharmacy, Romania
- (4) Christian Hellmich, Institute for Mechanics of Materials and Structures, Faculty of Civil Engineering, Vienna University of Technology, Austria
- (5) Evghenia Bezirtzoglou, Democritus University of Thrace Faculty of Agricultural Development, Department of Food Science and Technology, Greece
- (6) Frank Trixler, Center for NanoSciene & Department for Earth and Environmental Sciences, Ludwig-Maximilians Universität München, Germany; Open Research Laboratory, School of Education, Technische Universität München, Germany.
- (7) Fu-Zhai Cui, Laboratory of Advanced Materials, Department of Material Science and Engineering, Tsinghua University, Beijing, P.R.
- (8) George Dan Mogosanu, University of Medicine and Pharmacy, Craiova, Romania
- (9) Jose Luis Balcazar, Catalan Institute for Water Research, Girona,
- (10) Keng-Shiang Huang, The School of Chinese Medicine for Post-Baccalaureate, I-Shou University, Ta-Hsu Hsiang, Taiwan
- (11) Keng-Liang Ou, College of Oral Medicine, Taipei Medical Bolivia 5150, 4400, Salta, Argentina University, Taiwan
- (12) M.V. Reddy, Departments of Physics & Chemistry Graphene Center, Advanced Batteries Lab, National University of Singapore, Singapore
- (13) Mariana Chirea, University of Porto, Faculty of Science, Portugal
- (14) Mihaela Badea, University of Bucharest, Faculty of Chemistry, Romania
- (15) Nazmiye Altintas, Faculty of Medicine, Parasitology Department, Izmir, Turkey
- (16) Rodica Cristescu, National Institute for Lasers, Plasma and Radiation Physics, Laser Department, Laser - Plasma -Surface Interactions Laboratory, Magurele, Romania
- (17) Veronica Lazăr, University of Bucharest, Faculty of Biology, Microbiology Immunology Department, Romania

- (1) Howard I. Maibach, Department of Dermatology, 90 Medical (18) Mazeyar Parvinzadeh Gashti, Département de Chimie, Université
 - (19) **Mohammad Mehdi Rashidi**, Department of Mechanical Engineering, Bu-Ali Sina University, Hamedan, Iran
 - Saud University, Riyadh, Saudi Arabia
 - (21) Piotr Lulinski, Department of Organic Chemistry, Faculty of Pharmacy, Medical University of Warsaw, Poland
 - (22) Zhi Ping (Gordon) Xu, Australian Institute for Bioengineering and Nanotechnology, The University of Queensland, Brisbane, QLD 4072,
 - (23) Fang Xie, Department of Materials, Imperial College, London, SW7 2AZ, United Kingdom
 - (24) Kateryna Kon, Department of Microbiology, Virology, and Immunology of Kharkiv National Medical University, Ukraine
 - (25) Mahendra Kumar Rai, Department of Biotechnology, SGB Amravati University, Amravati, Maharashtra, India
 - (26) Victoria Samanidou, Department of Chemistry, School of Sciences, Aristotle University of Thessaloniki, Greece
 - (27) Yu Cao, Key Laboratory of Pesticide and Chemical Biology (Ministry of Education), College of Chemistry, Central China Normal University, Wuhan P. R. China
 - (28) Shinihci Arakawa, Graduate School, Department of Lifetime Oral Health Care Science, Tokyo Medical and Dental University (TMDU), Yushima, Bunkyo-ku, Tokyo, Japan
 - (29) Santiago Daniel Palma, Instituto de Investigaciones para la Industria Química (INIQUI, Universidad Nacional de Salta - CONICET). Av.
 - (30) Dan Mihaiescu, Politehnica University of Bucharest, Faculty of Applied Chemistry and Material Science, Romania
 - (31) **Zivile Luksiene**, Vilnius University, Inst. Applied Research, Sauletekio10, 10223, Vilnius, Lithuania
 - (32) Vladimir K. Ivanov, Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences, Moscow, Russia
 - (33) Jhoan Toro Mendoza, Centro de Estudios Interdisciplinarios de la Física, Instituto Venezolano de Investigaciones Científicas, Caracas, 1020 A. Venezuela
 - (34) Melinda Varga, 3D Systems Packaging Research Center, Georgia Institute of Technology, Atlanta, GA, USA

www.BiointerfaceResearch.com

Open Access Journal

TABLE OF CONTENTS

-		
1075	Felipe S. Vilhen Fernando S. D. S. Vilhena Judith Felcman	Potentiometric and spectral analyses of Cu(II) ternary complexes between GlyGly, GlyVal, GlyLeu or GlyPhe with histidine
1080	Maria S. Silva Eduardo L. de Barros Neto Afonso A. Dantas Neto Maria A. M. Maciel Tereza N. de Castro Dantas	Synthetic epoxidation of <i>Moringa oleifera</i> Lam with performic acid generated <i>in situ</i>
1087	Mahdi Mansour Mohamed Saidi Nadia Saidi-Amroun	Chemical synthesis and characterization of poly (omethoxyaniline)
1093	Christian H. C. Flaker Rodrigo V. Lourenço Ana Mônica Q. B. Bittante Paulo J. A. Sobral	Montmorillonite dispersion in water affects some physical properties of gelatin-based nanocomposites films
1099	Funda Ersoy Atalay Harun Kaya Dilek Asma Alper Bingöl	Helical microtubules of nanostructured cobalt oxide for electrochemical energy storage applications
1104	Yasmine Khane Belarbi Lahcene Mouffok Benali	Synthesis, characterization of poly(ester-amide) biodegradable and evaluation of their antimicrobial activity
1112	Vladimir Aleksandrovich Ivchenko	Field ion microscopy of radiation defects in FCC materials at atomic-level spatial
1117	Nicoleta Merezeanu Irina Gheorghe Marcela Popa Mariana Carmen Chifiriuc Veronica Lazăr Octav Pântea Otilia Banu Alexandra Bolocan Raluca Grigore Şerban Vifor Bereșteanu	Virulence and resistance features of <i>Pseudomonas</i> aeruginosa strains isolated from patients with cardiovascular diseases

www.BiointerfaceResearch.com

Open Access Journal

1122	Hassan M. Hassan Shedid S. Ahmed Badie M. Fawzy Eisawy R. Mohamed	Synthesis and antimicrobial activity of some new cephalosporin antibiotics modified at the carboxyl group of the cephem nucleus
1128	Aron Carlos de Melo Cotrim Adenilda Cristina Honorio-França Eduardo Luzia França	Rheology analysis can be added in thermal stability test for design microemulsion materials
1137	Lincy Joseph Mathew George Anila K. Alexander	A review on synthesis and biological screening of oxazepinedione derivatives
1144	Mohaddeseh Vafaiee Mahnaz Eskandari	Effect of temperature changes on the cell membrane with molecular dynamics simulation
1149	Mohammed A. Al-Anber Ahmed Abu-Rayyan Mohammed S. Almogbel	Removal of inorganic ferric ion from water by using coal of date Palm Seeds (CDPS)
1157	Mohammed A. Al-Anber Zaid Al-Anber Idrees Al-Momani	Adsorption of ferric ion onto defatted seeds of cypress tree: Equilibrium and kinetic studies
1166	Kaliyan Palanisamy Vadakkeputhanmadom Krishnaiyer Subramanian	An investigation into the effect of NTA on scale deposition from CaCO ₃ sludge on copper metal surface
1172	Abdollah Ataei Peter J. S. Foot John W. Brown	Synthesis and properties of novel dendrimers for molecular delivery
1176	Iuliana Porumbel Irina Gheorghe Marcela Popa Otilia Banu Alexandra Bolocan Veronica Lazăr Mariana Carmen Chifiriuc	Virulence and resistance genes profiles among Pseudomonas aeruginosa isolated in 2015 from patients with cardiovascular diseases in Bucharest, Romania

www.BiointerfaceResearch.com

Open Access Journal

1180	Mirela Grosu Carmen Curutiu Bogdan Ionescu Diana Ionescu Alexandra Bolocan Veronica Lazar Tatiana Vassu	Etiology and resistance patterns of uropathogenic strains isolated from ambulatory urinary tract infections
------	---	---