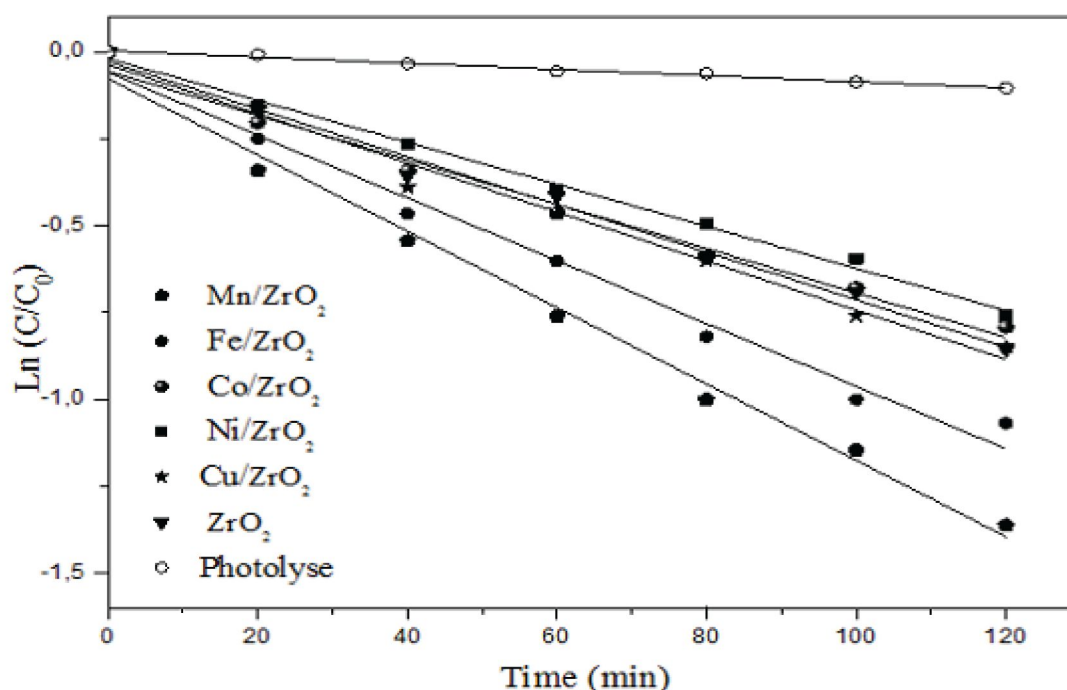


Saeed Rehman et al., Simultaneous physisorption and chemisorption of reactive Orange 16 onto hemp stalks activated carbon: proof from isotherm modeling



Belkacem Ziane et al., Photocatalytic decolorization of indigo-carmin dye by sol-gel synthesized doped ZrO₂ photocatalyst

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 Editors

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
Andreea Aiacoaboe, Faculty of Medical Engineering, University Politehnica of Bucharest, Romania

Editorial Board

Howard I. Maibach, Department of Dermatology, 90 Medical Center Way, Surge Building Room 110, University of California, San Francisco, CA 94143-0989, USA
Anton Ficai, Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials Science, Politehnica University of Bucharest, Romania
Carmen Limban, University of Medicine and Pharmacy Carol Davila, Faculty of Pharmacy, Romania
Christian Hellmich, Institute for Mechanics of Materials and Structures, Faculty of Civil Engineering, Vienna University of Technology, Austria
Evghenia Bezirtzoglou, Democritus University of Thrace Faculty of Agricultural Development, Department of Food Science and Technology, Greece
Frank Trixler, Center for NanoScienc & Department for Earth and Environmental Sciences, Ludwig-Maximilians Universität München, Germany; Open Research Laboratory, School of Education, Technische Universität München, Germany.
Fu-Zhai Cui, Laboratory of Advanced Materials, Department of Material Science and Engineering, Tsinghua University, Beijing, P.R. China.
George Dan Mogosanu, University of Medicine and Pharmacy, Craiova, Romania
Jose Luis Balcazar, Catalan Institute for Water Research, Girona, Spain
Keng-Shiang Huang, The School of Chinese Medicine for Post-Baccalaureate, I-Shou University, Ta-Hsu Hsiang, Taiwan
Keng-Liang Ou, College of Oral Medicine, Taipei Medical University, Taiwan
M.V. Reddy, Departments of Physics & Chemistry Graphene Center, Advanced Batteries Lab, National University of Singapore, Singapore
Mariana Chirea, University of Porto, Faculty of Science, Portugal
Mihaela Badea, University of Bucharest, Faculty of Chemistry, Romania
Nazmiye Altintas, Faculty of Medicine, Parasitology Department, Izmir, Turkey
Rodica Cristescu, National Institute for Lasers, Plasma and Radiation Physics, Laser Department, Laser – Plasma – Surface Interactions Laboratory, Magurele, Romania
Veronica Lazăr, University of Bucharest, Faculty of Biology, Microbiology Immunology Department, Romania
Mazeyar Parvinzadeh Gashti, Département de Chimie, Université Laval, 1045 Avenue de la Médecine, Québec, QC G1V 0A6, Canada
Mohammad Mehdi Rashidi, Department of Mechanical Engineering, Bu-Ali Sina University, Hamedan, Iran
Mu. Naushad, Department of Chemistry, College of Science, King Saud University, Riyadh, Saudi Arabia
Piotr Lulinski, Department of Organic Chemistry, Faculty of Pharmacy, Medical University of Warsaw, Poland
Zhi Ping (Gordon) Xu, Australian Institute for Bioengineering and Nanotechnology, The University of Queensland, Brisbane, QLD 4072, Australia
Fang Xie, Department of Materials, Imperial College, London, SW7 2AZ, United Kingdom
Kateryna Kon, Department of Microbiology, Virology, and Immunology of Kharkiv National Medical University, Ukraine
Mahendra Kumar Rai, Department of Biotechnology, SGB Amravati University, Amravati, Maharashtra, India
Victoria Samanidou, Department of Chemistry, School of Sciences, Aristotle University of Thessaloniki, Greece
Yu Cao, Key Laboratory of Pesticide and Chemical Biology (Ministry of Education), College of Chemistry, Central China Normal University, Wuhan P. R. China
Shinichi Arakawa, Graduate School, Department of Lifetime Oral Health Care Science, Tokyo Medical and Dental University (TMDU), Yushima, Bunkyo-ku, Tokyo, Japan
Santiago Daniel Palma, Instituto de Investigaciones para la Industria Química (INIQUI, Universidad Nacional de Salta – CONICET). Av. Bolivia 5150, 4400, Salta, Argentina
Dan Mihaiescu, Politehnica University of Bucharest, Faculty of Applied Chemistry and Material Science, Romania
Zivile Luksiene, Vilnius University, Inst. Applied Research, Sauletekio10, 10223, Vilnius, Lithuania
Vladimir K. Ivanov, Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences, Moscow, Russia
Jhoan Toro Mendoza, Centro de Estudios Interdisciplinarios de la Física, Instituto Venezolano de Investigaciones Científicas, Caracas, 1020 A, Venezuela
Melinda Varga, 3D Systems Packaging Research Center, Georgia Institute of Technology, Atlanta, GA, USA
Alina Maria Holban, Faculty of Biology, University of Bucharest, Romania

TABLE OF CONTENTS

1995	Roxana Pricop Violeta Corina Cristea Irina Gheorghe Alin Laurentiu Tatu Grigore Mihaescu Mariana Carmen Chifiriuc	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) reveals the anaerobic <i>Slakia exigua</i> as unique etiology of a dental abscess
1998	Belkacem Ziane Messaoud Chaib Mohamed Badaoui	Photocatalytic decolorization of indigo-carmin dye by sol-gel synthesized doped ZrO₂ photocatalyst
2004	Tatu Alin Laurentiu Merezeanu Nicoleta Pântea Octav Gheorghe Irina Popa Marcela Banu Otilia Cristea Violeta Corina Mariana Chifiriuc Carmen Lazăr Veronica Luminita Marutescu	Resistance features of <i>Pseudomonas aeruginosa</i> strains isolated from patients with infectious complications of cardiovascular surgery
2009	Mohamed Abbas Ibrahim Mounir Mohamed Salem-Bekhit	Optimization of controlled release Ciprofloxacin dermal hydrogels using different chitosan molecular weights
2016	Carmen Curutiu Lia Mara Ditu Florin Iordache Coralia Bleotu Mariana Carmen Chifiriuc Veronica Lazar Alina Maria Holban	Quorum Sensing molecules produced by <i>Pseudomonas aeruginosa</i> impair attachment and biofilm formation in <i>Candida albicans</i>
2021	Saeed Rehman Madiha Tariq Jehanzeb Ali Shah Rafiq Ahmad Muhammad Shahzad Arshad Mehmood Abbasi Aziz Ullah Bushra Ismail Muhammad Bilal	Simultaneous physisorption and chemisorption of reactive Orange 16 onto hemp stalks activated carbon: proof from isotherm modeling