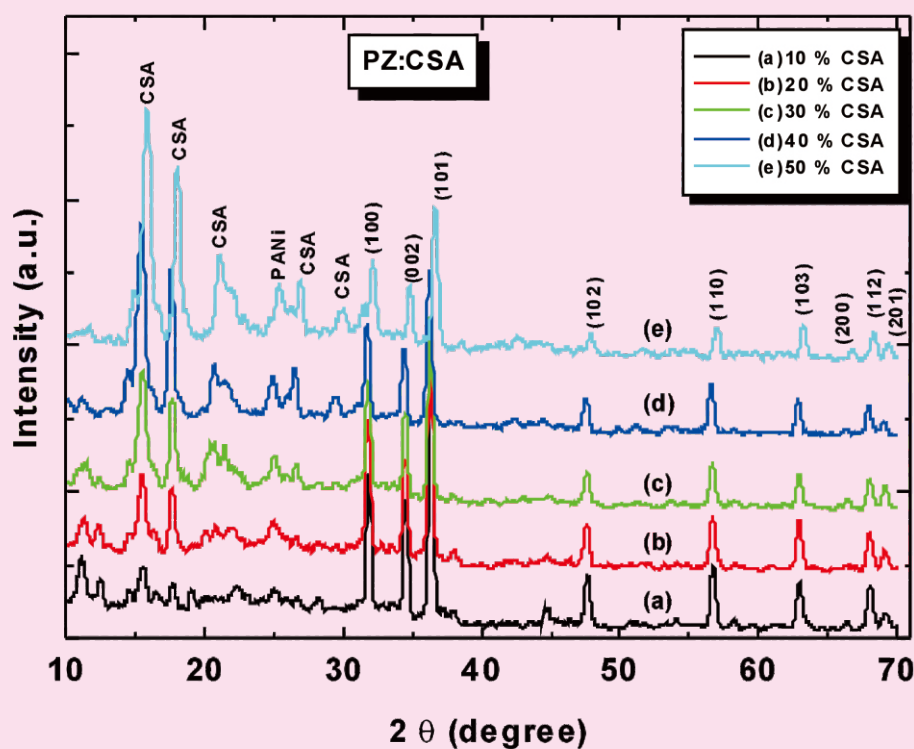


# Soft Nanoscience Letters



ISSN: 2160-0600



[www.scirp.org/journal/sn1](http://www.scirp.org/journal/sn1)

# Journal Editorial Board

ISSN 2160-0600 (Print) ISSN 2160-0740 (Online)

<http://www.scirp.org/journal/snl>

---

## Editor in Chief

**Prof. Richard J. Spontak**

North Carolina State University, USA

## Editorial Board

<b>Prof. Mosaad A. Abdel-Wahhab</b>	National Research Center, Egypt
<b>Prof. Haisheng Chen</b>	Chinese Academy of Sciences, China
<b>Prof. Houyang Chen</b>	State University of New York, USA
<b>Prof. Veturia Chiroiu</b>	Technical Sciences Academy of Romania, Romania
<b>Prof. Fehim Findik</b>	Sakarya University, Turkey
<b>Prof. Sajjan Daniel George</b>	Center of Smart Interfaces, Germany
<b>Dr. Cun-Yue Guo</b>	Graduate University of Chinese Academy of Sciences, China
<b>Prof. Chang-Sik Ha</b>	Pusan National University, Korea (South)
<b>Prof. Takayuki Kitamura</b>	Kyoto University, Japan
<b>Prof. Ling Bing Kong</b>	Nanyang Technological University, Singapore
<b>Prof. Hyoung-In Lee</b>	Inha University, Korea (South)
<b>Prof. Jong Keun Lee</b>	Kumoh National Institute of Technology, Korea (South)
<b>Prof. Joong Hee Lee</b>	Chonbuk National University, Korea (South)
<b>Prof. Tae-Woo Lee</b>	Pohang University of Science and Technology, Korea (South)
<b>Prof. Xingguo Li</b>	Peking University, China
<b>Prof. Der-Jang Liaw</b>	National Taiwan University of Science and Technology, Chinese Taipei
<b>Prof. Yuan-Hua Lin</b>	Tsinghua University, China
<b>Prof. Huijun Liu</b>	Wuhan University, China
<b>Dr. Salerno Marco</b>	Italian Institute of Technology, Italy
<b>Prof. Francisco M. Marquez-Linare</b>	University of Turabo, USA
<b>Prof. Anoop Kumar Mukhopadhyay</b>	Central Glass & Ceramic Research Institute, India
<b>Prof. Padmalochan Nayak</b>	SPC, India
<b>Prof. Chunxu Pan</b>	Wuhan University, China
<b>Prof. Alessandro Pegoretti</b>	University of Trento, Italy
<b>Dr. Shaoxing Qu</b>	Zhejiang University, China
<b>Dr. V. Rajendran</b>	Nano Science and Technology, KSR College of Technology, India
<b>Prof. Surendra Nath Sahu</b>	National Institute of Science & Technology, India
<b>Prof. Jyh-Ming Ting</b>	National Cheng Kung University, China
<b>Prof. De-Yi Wang</b>	Sichuan University, China
<b>Prof. Yi Xie</b>	University of Science and Technology of China, China
<b>Dr. Jinying Yuan</b>	Tsinghua University, China
<b>Dr. Zhigang (Ivan) Zhu</b>	Cambridge University, UK
<b>Prof. Valtencir Zucolotto</b>	University of São Paulo, Brazil

## TABLE OF CONTENTS

**Volume 2    Number 3**

**July 2012**

**Genotoxic and Biological Evaluation of a Nano Silica Cross Linked Composite Specifically Used for Intra-Vas Device**

S.-J. Chen, Y. Bai, X.-B. Huang, J.-P. Suo, J. Li.....23

**Detecting Ultra-Violet Radiation by Using Titanium Dioxide Nanoparticles**

N. H. Kargan, M. Aliahmad, S. Azizi.....29

**Controlled Synthesis and Characterization of Noble Metal Nanoparticles**

H. X. Hei, H. He, R. Wang, X. J. Liu, G. Z. Zhang.....34

**$\beta$ -Galactosidase Leakage from *Escherichia coli* Points to Mechanical Damages Likely Cause of Carbon Nanotube Toxicity**

S. Amarnath, M. A. Hussain, V. Nanjundiah, A. K. Sood.....41

**Effect of Camphor Sulfonic Acid Doping on Structural, Morphological, Optical and Electrical Transport Properties on Polyaniline-ZnO Nanocomposites**

S. L. Patil, M. A. Chougule, S. G. Pawar, S. Sen, V. B. Patil.....46

**Li<sub>2</sub>MnSiO<sub>4</sub>/Carbon Composite Nanofibers as a High-Capacity Cathode Material for Li-Ion Batteries**

S. Zhang, Y. Li, G. J. Xu, S. L. Li, Y. Lu, O. Topracki, X. W. Zhang.....54

---

The figure on the front cover is from the article published in Soft Nanoscience Letters, 2012, Vol. 2, No. 3, pp. 46-53 by Sanjay L. Patil, Manik A. Chougule, Shailesh G. Pawar, Shashwati Sen and Vikas B. Patil.

# **Soft Nanoscience Letters (SNL)**

## **Journal Information**

### **SUBSCRIPTIONS**

*Soft Nanoscience Letters* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **SERVICES**

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **COPYRIGHT**

Copyright©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

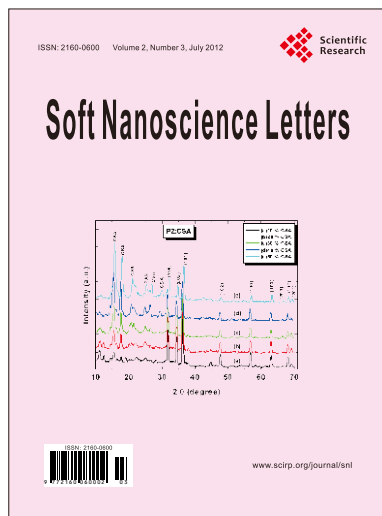
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

### **PRODUCTION INFORMATION**

For manuscripts that have been accepted for publication, please contact:

E-mail: [snl@scirp.org](mailto:snl@scirp.org)



# Soft Nanoscience Letters (SNL)

ISSN 2160-0600 (Print) ISSN 2160-0740 (Online)

<http://www.scirp.org/journal/snl>

**Soft Nanoscience Letters (SNL)** is a newly launched multidisciplinary peer-reviewed journal covering fundamental and applied research in the field of soft nanoscience, which includes polymers and colloids. This will necessarily address nanostructured polymers (e.g. block copolymers), nanocomposites, physical gels, microemulsions, surface/interface modification, new processes (e.g. electrospinning/spraying), confinement effects, the organic/biological interface, and responsive/functional polymers. Results may be experimental, theoretical or simulation in nature.

## Editor in Chief

**Prof. Richard J. Spontak**

North Carolina State University, USA

## Editorial Board

**Prof. Mosaad A. Abdel-Wahhab**  
**Prof. Haisheng Chen**  
**Prof. Houyang Chen**  
**Prof. Veturia Chiroiu**  
**Prof. Fehim Findik**  
**Prof. Sajan Daniel George**  
**Dr. Cun-Yue Guo**  
**Prof. Chang-Sik Ha**  
**Prof. Takayuki Kitamura**  
**Prof. Ling Bing Kong**  
**Prof. Hyoungh-In Lee**

**Prof. Jong Keun Lee**  
**Prof. Joong Hee Lee**  
**Prof. Tae-Woo Lee**  
**Prof. Xingguo Li**  
**Prof. Der-Jang Liaw**  
**Prof. Yuan-Hua Lin**  
**Prof. Huijun Liu**  
**Dr. Salerno Marco**  
**Prof. Francisco M. Marquez-Linare**  
**Prof. Anoop Kumar Mukhopadhyay**  
**Prof. Padmalochan Nayak**

**Prof. Chunxu Pan**  
**Prof. Alessandro Pegoretti**  
**Dr. Shaoxing Qu**  
**Dr. V. Rajendran**  
**Prof. Surendra Nath Sahu**  
**Prof. Jyh-Ming Ting**  
**Prof. De-Yi Wang**  
**Prof. Yi Xie**  
**Dr. Jinying Yuan**  
**Dr. Zhigang (Ivan) Zhu**  
**Prof. Valtencir Zucolotto**

## Subject Coverage

- Nano-biological systems
- Nano-biotechnology
- Nano-devices
- Nano-electronics
- Nano-fabrication
- Nanofluidics and nanoscale flow
- Nano-material processing
- Nano-material synthesis
- Nano-mechanics
- Nano-medicine
- Nano-optics
- Nano-probes
- Nano-properties
- Nano-spectroscopy
- Nano-structures
- Nano-theory and computation
- Nano-toxicology
- Organic nanocrystals
- Organic/polymeric nanoparticles
- Polymer nanocomposites

## Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

## Website and E-Mail

[www.scirp.org/journal/snl](http://www.scirp.org/journal/snl)

Email: [snl@scirp.org](mailto:snl@scirp.org)