Call for review articles

Environmental Chemistry for a Sustainable World
http://www.springer.com/series/11480

Nanoscience in Medicine

Hemant Kumar Daima, Navya PN, Shivendu Ranjan, Nandita Dasgupta and Eric Lichtfouse, Editors

INSTRUCTIONS TO AUTHORS

About Environmental Chemistry for a Sustainable World
Environmental Chemistry for a Sustainable World (ECSW) is a series published by Springer Nature since 2012 and available at http://www.springer.com/series/11480. Metrics of chapter downloads are available on volume websites; for instance, the download number of volume 1 chapters is 12,318 on May 17, 2017. Springer Nature is one of the world’s leading global created in May 2015 through the combination of Nature Publishing Group, Palgrave Macmillan, Macmillan Education and Springer Science + Business Media.

Submission
The submission deadline is June 1st, 2018
Articles should be submitted in pdf to Navya P N at navyapn@gmail.com and copied to hkdaima@jpr.amity.edu. The manuscript must be accompanied by a cover letter containing a list of six suggested reviewers including title, name, postal address and e-mail address. Samples of published chapters are available in the ECSW webpage under ‘Additional Information’.

Selection
The Editors and external peer-reviewers will evaluate manuscripts. The actual rejection rate is 30%. Only manuscripts of very high quality will be accepted.

Publication
The book will be published in 2018. Authors will then be offered the option to publish an abridged version in the journal Environmental Chemistry Letters, of 2.918 impact factor.

Aims and topics
We invite scientists to write high-quality literature reviews focused on the recent developments, research trends, methods and issues related to nanoscience in medicine. Topics include but not limited to:
- Nanomedicine: fundamentals, theories and prototypes
- Nano-bio interfacial interactions and their importance in nanomedicine
- Designing of nanomaterials for medical applications
- Biological and medical applications of nanomaterials
- Trends and challenges in nanomedicine
- Future perspective of nanomaterials for medical applications
- Regulatory issues and safety of clinical translation of nanomaterials

**Articles**

*ECSW* publishes *review articles* analyzing the critical points of current knowledge including substantive findings as well as theoretical and methodological contributions to a particular topic. Literature reviews are secondary sources, and as such, report no or very few original work.

**General guidelines**


**Sections**

Article sections should be: Title, Authors, Author postal and e-mail addresses, Abstract, Keywords (10), Contents (list of sections), 1. Introduction, 2. Section title, 3. Section title, 3.1 Subsection title... X. Conclusion, Acknowledgments, References.

**Abstract**

The abstract should be readable by a wide audience, e.g. students, policymakers and the public. The abstract should contain two sections: 1) Background/issues: this section should explain actual issues related to the topic in about 5 sentences, and 2) Major advances: this section of about 5 sentences, starting by e.g. ‘Here we review… The major points are:…’, should list the major trends and findings deduced by literature analysis in each section of the article.

**Text**

The body text should be written in paragraphs of about 3-8 sentences. Please avoid the overuse of abbreviations. Expressions and sentences in parenthesis should be avoided.

**Figures**

Articles must include well-thought figures such as graphs, schemes, tables, and color photos, e.g. one figure per section. Figure captions should include 2-3 sentences explaining the trends and their significance. Figures should indeed be understandable without reading the main text. Abbreviations in figures must be explained at the end of corresponding captions.

**References**

The article should include more than 50 references. References to web addresses are not accepted, unless proven stable. Reference citation in the text: Smith (2006), Smith and Brown (2005), Smith et al. (2004). References should preferably be placed at the end of sentences. References in the list should include the DOI to increase article impact through links. Please note that a major cause of publication delay is due to reference errors, e.g. references in text absent in list, references in list absent in text, references not in the format and errors in numbers (years, volume, pages).
About the Editors

Hemant Kumar Daima

Dr. Hemant Kumar Daima is working as Assistant Professor at Amity Institute of Biotechnology, Amity University Rajasthan, Jaipur, India. Dr. Daima obtained his PhD degree in Applied Biology & Nanobiotechnology from RMIT University, Melbourne, Australia. He has over nine years of research and teaching experiences in various international organizations. Prior to joining Amity University Rajasthan, he has worked as Asst. Professor of Nanomedicine at Department of Biotechnology, Siddaganga Institute of Technology, Tumkur, India; Research Associate at NanoBiotechnology Research Laboratory, RMIT University, Melbourne, Australia; Tutor at School of Applied Sciences, RMIT University, Melbourne, Australia, and Research Fellow at Centre for Converging Technologies, University of Rajasthan, Jaipur, India. He has established Nano-Bio Interfacial Research Laboratory (NBIRL) at Department of Biotechnology during his tenure at Siddaganga Institute of Technology, India.

Dr. Daima has developed significant expertise in designing mono and bimetallic nanoparticles with controlled physicochemical properties by employing green chemistry routes. He has demonstrated importance of surface functionalization to control external corona of nanomaterials, which dictates nanomaterials interaction at Nano-Bio interface. His research findings have revealed guiding principles involved in rational nanoparticle design strategies for biomedical applications. Dr. Daima has published his research findings in various journals of international repute and presented his research worldwide. Dr. Daima is editorial board member and reviewer of various leading international publishers in the field of Nanotechnology, Nanotoxicology and Nanomedicine. Moreover, Asst. Professor Daima is member of several scientific/professional bodies. He is recipient of numerous international fellowships/awards including prestigious National Overseas Fellowship (Government of India, New Delhi, India) and PerkinElmer Research Excellence Award, jointly presented by RMIT University and PerkinElmer Pty. Ltd., Melbourne, Australia.

Navya P N

Navya PN is working as Assistant Professor at the Department of Biotechnology, Siddaganga Institute of Technology, Tumkur, India. Prior to this position, she was working at Central Food Technological Research Institute (CFTRI), Mysore, India. She is co-founder of Nano-Bio Interfacial Research Laboratory at the Department of Biotechnology, SIT, Tumkur. Currently, she is involved in the supervision of four biotechnology engineering candidates.
with Dr. Hemant Kumar Daima toward their research projects at NBIRL in the disciplines of Nanotechnology. Navya has research interest in development of biocompatible metal nanoparticles, their surface functionalization with variety of molecules and enzymes for biological applications. She has received financial support from institutional, national and state funding agencies to carry out her research in nanotechnology. She has published research papers in peer reviewed journals and has authored many book chapters. She has presented her findings in various national and international conferences. Prof. Navya is member of many professional bodies. Recently, she has been selected for the Sakura Exchange Programme in Science funded by Japan Science and Technology, hosted by Miyazaki University, Miyazaki, Japan.

Shivendu Ranjan

Shivendu Ranjan is currently working as DBT-Research Fellow, Department of Biotechnology, Ministry of Science and Technology, Govt of India at VIT University, Vellore, Tamil Nadu, India. He is also serving for a non-government organization as an Honorary-Director, Research Wing, Veer Kunwar Singh Memorial Trust, Chapra, Bihar, India. He is the Founder-Director at Xpert Arena Technological Services Pvt. Ltd., India (www.xpertarena.com); this company is dedicated to serve in online and offline sectors with a vision to simplify the education. He has also founded and drafted the concept for the first edition of “VIT Bio Summit” in 2012 and the same has been continued till date by the university.

His areas of research are multidisciplinary, which are as but not limited to Nano-food technology, Nano-agri-technology, Nanobiotechnology, Nano-toxicology, Natural products technology, Natural products chemistry, Food chemistry and Food Engineering. He has published many scientific articles in international peer-reviewed journals. He also has published many books and has authored many book chapters. He is serving as Associate Editor in Environmental Chemistry Letters (Springer Journal with 2.91 Impact Factor); also serving as editorial board member and referee for many other international peer-reviewed journals. He has bagged several awards from different organizations e.g. Best poster award, achiever award, research awards, and young researcher award.

Nandita Dasgupta

Nandita Dasgupta is currently serving as Research Associate at VIT University, Vellore, Tamil Nadu, India. She has exposure to research institutes and industries including CSIR-Central Food Technological Research Institute, Mysore, India and Uttar Pradesh Drugs and Pharmaceutical Co. Ltd., Lucknow, India. Her areas of interest include toxicological analysis, natural products technology, nanobiotechnology and agri-food technology.
She has published many books and has authored many chapters. She has also published many scientific articles in international peer-reviewed journals and also serving as editorial board member and referee for reputed international peer-reviewed journals. She has received Elsevier Certificate for “Outstanding Contribution” in Reviewing from Elsevier, The Netherlands. She has also been nominated for Elsevier advisory panel for Elsevier, The Netherlands. She is the Associated Editor in Environmental Chemistry Letters – a Springer journal of 2.9 Impact Factor. She has received several awards from different organizations e.g. best poster award, young researcher award, special achiever award and research award.

**Eric Lichtfouse**

Eric Lichtfouse, 57, soil biogeochemist at the French National Institute for Agricultural Research, is the author of the book Scientific Writing for Impact Factor Journals, which include an innovative writing tool: the Micro-Article. He has invented a molecular $^{13}\text{C}$-dating method allowing to measure the dynamics of soil organic compounds. He is Chief Editor of the journal Environmental Chemistry Letters, the book series Sustainable Agriculture Reviews and Environmental Chemistry for a Sustainable World, and the magazine Publier La Science.
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