Call for review articles

Environmental Chemistry for a Sustainable World
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Nanostructured Materials for Energy and Environment

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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 31st May 2018.
Articles should be submitted in pdf to Dr. Mu. Naushad at shad123@gmail.com and copied to Dr. R. Sarvanan at sarvanan3.raj@gmail.com. The manuscript must be accompanied by a cover letter containing a list of four 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. 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 3.56 impact factor.

Aims and topics
We invite scientists to write high-quality literature reviews on nanomaterials for energy and environment. Examples of topics include CO₂ reduction and storage, electrochemical sensors, fuel cells, graphene nanomaterials, H₂ generation and storage, magnetic nanoparticles, metal-organic frameworks, microbial fuel cells, nanosensors, pollutant detection, researchable batteries, smart grid and solar cells.
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 is not a menu, nor an introduction and not a place for vague and opinion comments. The abstract text should be precise, quantitative and supported by trends and data, whenever possible. The abstract must reflect the article content, using e.g. 1-3 sentences extracted from each article section. The abstract should contain two parts: 1) Background/issues: this section should explain actual issues related to the topic in about 5 sentences, and 2) Major advances: this part 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 colour 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. Manuscripts containing figures of low quality, low resolution or low presentation will not be evaluated. Figures should be preferably drawn by the authors. For figures taken in the published literature, authors should either 1) redraw figures from the data and insert the original reference in the caption (e.g. Modified after Smith et al. 2005) or 2) reprint directly the figure, if this figure is of enough quality and resolution (higher than 600 dpi): in that case authors must obtain permission to reprint from the publisher or editor, and write e.g. ‘With permission of...’ at the end of the caption. Authors must provide certificate of permission at submission.

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

Dr. Mu. Naushad is an Associate Professor in the Department of Chemistry, College of Science, King Saud University (KSU), Saudi Arabia. Prior to coming to King Saud University, he was the Assistant Professor at SRM University, India. He obtained his Ph.D Degree in Analytical chemistry, from A.M.U. Aligarh, India in 2007. He has 15 years of research experience and 8 years of teaching experience. His research interest includes nanocomposite materials and wastewater treatment. He has over 200 refereed publications with a Google Scholar H-Index of 33. He holds five US patents deriving from his research. He is the Editor/Editorial member of several reputed Journals. He has been awarded by the Scientist of the year award-2015 from National Environmental Science Academy, India and Almarai Award-2017 from Saudi Arabia.

Dr. R. Saravanan (MSc, B.Ed., MPhil., PhD) received his postgraduate studies in Thiruvalluvar University (Sacred Heart College), India during the year of 2005-2007 and was awarded first class with University rank. He has completed his M.Phil and Ph.D in Physics (Material Science), in the Department of Nuclear Physics, University of Madras, India with first class and highly recommended thesis by the reviewers. He was awarded University Research Fellowship (URF) during the year 2009-2011 by the University of Madras. After working as an Assistant Professor in Dhanalakshmi College of Engineering, Chennai, India during the year of 2013-2014. He was awarded SERC and CONICYT-FONDECYT post-doctoral fellowship, University of Chile, Santiago-Chile in the year of 2014. He has published 34 International peer-reviewed Journals and including a book chapter. His work interest includes Nanoporous and Nanomaterials based catalysts for renewable energy and waste water purification.

Dr Kumar Raju received his MSc degree (2005) in Madurai Kamaraj University and obtained his PhD (Chemistry – Energy interdisciplinary) degree (2011) from the University of Madras, India. He was awarded Junior and senior research fellowships from DST and CSIR, India during his PhD period (2006-2011) and then he was joined as postdoctoral fellow (2012) in Hanyang University, South Korea. He joined the CSIR, South Africa in 2013 as postdoctoral research fellow, he is now a Senior Researcher. He so far has published 23 international peer-reviewed journals apart from the participation and presentations in the international and
national conferences, 2 patents and 2 book chapters. His research interest focusses on developing advanced materials and advanced technologies for energy and environmental applications.

Prof. S. Balakumar is the Director for National Centre for Nanoscience and Nanotechnology, University of Madras, Chennai. He obtained his B.Sc (1987), MSc(1989) from Bharathiyar University, MPhil (1990) from University of Madras and PhD (1995) from Anna University, India. He did his Post doctoral fellow at Dept of Electronic Engineering, University of Hong Kong (CUHK), Hong Kong and also got NSTB Post doctoral fellowship at Dept of Chemical Engineering, National University of Singapore to work on Nanomaterials during 1998-2000. He has started his professional career as Senior Research Engineer from 2000 at Chartered Semiconductor Manufacturing Ltd (Singapore) and worked at Institute of Microelectronics, Singapore from 2002- 2008 at various level and led a team of engineer to develop the process of Chemical Polishing, Electroplating and Wet clean processes to fabricate nanoelectronics devices and SiGe, SiGeOI substrate technology. At the same, he has also served as Adjunct Associate Professor at Dept of Mechanical Engineering, National University of Singapore during 2004-2008 and guided several M.S Engineering (by research) and Ph. D students. His fields of interest are nano materials and other advanced materials. He has authored about 150 journal publications and also delivered more than 120 invited talks and special lectures at various international/national conferences. He has organized several international and National conferences/workshops/summer schools/Refresher courses for faculties. He has recently published two books chapter on Nanomaterials in the books published through Springer Publisher and edited two proceeding which are published in Nanomaterial Journals. He also has more than 9 U. S Patents to his credit. He has supervised 8 PhDs and 10 PhDs are ongoing. He has handled over 12 sponsored research projects.He is a recipient of a number of fellowships and awards including JSPS fellowship (2000), STA Fellowship (2002), IEEE Senior Member, USA (2004), Life time Achievement Award of IME, Singapore and Team Excellence Award for Nanowire Based Devices (2007). He is a Fellow of Royal Society of Chemistry (UK), Academic of Sciences, Chennai and Senior Fellow of UNESCO-UNISA Africa Chair in Nanosciences/Nanotechnology. He is also an Associate Editor for RSC Advances Journal (UK) and Chemical Paper Journal (Springer). He is also serving as Editorial Board Member for various journals including, Soft Nanoscience Letters (USA), Journal of Nanofluids (American Publisher, USA), Nanoscience and Nanotechnology-Asia, etc.

Dr. Rabah Boukherroub received a PhD in chemistry from the University Paul Sabatier, Toulouse, France. He is currently a CNRS research director at the Institute of Electronics, Microelectronics and Nanotechnology, University of Lille - Science and Technology, France. Dr. Boukherroub is an Associate Editor of ACS Applied Materials & Interfaces. His research interests are in the area of functional materials, surface chemistry, and photophysics of semiconductor/metal nanostructures with emphasis on biosensors, photocatalysis, and drug delivery. He is a co-author of 440+ research publications and wrote 31 book chapters in subjects related to nanotechnology, materials chemistry, and biosensors. He has 11 patents or patents pending.
Dr. F. Gracia (MSc, PhD Chemical Engineering) obtained his degree at University of Notre Dame, USA, in 2004. For his research about the state of the catalytic surface on Pt supported catalysts he was awarded the Manly Award for Excellence in Materials Science. The same year he joined the Department of Chemical Engineering and Biotechnology at the University of Chile, where he currently is Associate Professor. He has guided 25 undergraduate work, 5 Master Thesis and 4 Ph.D. Thesis in Chemical Engineering and supervised 3 Postdoctoral Researchers. He has published 43 International peer-reviewed Journals and responsible in more than 10 research projects with public and private funding. His work interest involves the Heterogeneous Catalysis area, focusing on Nanoporous and Nanomaterials based catalysts for renewable energy, H₂ production and CO₂ activation for SNG production.
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