Call for review articles

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

Electrochemistry for hydrogen generation, fuel cells and water purification

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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 11,546 on November 29, 2016. 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.

Pre-submission
The corresponding author should first send a tentative title to Prof. S. Vasudevan, CSIR-CECRI at svasudevan1965@gmail.com, who will provide guidelines for redaction after approval.

Submission
The submission deadline is May 1st, 2018
Articles should be submitted in pdf or word file to Prof. S. Vasudevan, CSIR-CECRI. 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 upon request.

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 the water treatment and hydrogen generation and fuel cells. Topics include:

- Electrodialysis
- Electrocoagulation and electroflotation
- Direct electrochemical processes: anodic oxidation and cathodic reduction
- Electrochemical processes based on electrodeposition
- Membrane based electrochemical processes
- Electrochemical disinfection
- Electrochemical deionization
- Bio-electrochemical processes
- Electrochemical Reactors for water treatment
- Photo-electrochemical methods
- Electrochemical advanced oxidation processes for the removal of persistent organic pollutants
- Water electrolysis: polymer electrolyte membrane electrolyzers, alkaline electrolyzers and solid oxide electrolyzers
- Photo-electrochemical hydrogen generation
- Electrochemical reforming
- Hydrogen uses (fuel cells)
- and aided fields

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

S. Vasudevan, 51, is working as a Principal Scientist in CSIR-Central Electrochemical Research Institute, Karaikudi (India). He has made inventive interdisciplinary cutting-edge research to the fields of electrochemical hydrogen production, batteries, materials electrochemistry and electrochemical water treatment over 20 years. He is a distinguished leader of large research team and a sustaining scientific collaboration with international scientists. He has transferred several technologies. He has been teaching for students over 20 years. He is serving as associate editor for different international journals. He is also the recipient of several awards.
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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 $^{13}$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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Suresh Kannan Balasingam, 31, is currently working as a Researcher at Norwegian University of Science and Technology (NTNU), Norway. He has completed his Doctoral degree from UNIST, South Korea. He obtained two years of research experience at the CSIR-Central Electrochemical Research Institute (CECRI), India and one-year research experience at the Technical University of Denmark (DTU), prior to joining UNIST. He has around ten years of research experience in the field of electrochemical energy conversion and storage. Balasingam wrote remarkable featured articles in the field of dye-sensitized solar cells and he also served as a reviewer for various international journals. His current research interest mainly focus on supercapacitors and photoelectrochemical energy conversion and storage.
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Marc Cretin, 48, was born in France. He received his Ph.D degree in Electrochemistry from the National Polytechnic Institute of Grenoble in 1996 and joined the Analytical Department of the Geneva University (Swiss) to develop electrochemical sensors for biomedical and environmental analysis. In 1998 he had a position of Assistant Professor at the Ecole Nationale de Chimie de Montpellier, France to teach Analytical Chemistry and Electrochemistry and to work on membranes materials for detection, separation and reaction. He’s full Professor since 2012 at the University of Montpellier and works in the field of materials for energy and environment.

Marc Cretin focuses his research mainly on electroactive materials for fuel cells, biofuel cells, EAOP (electrochemical advanced oxidation processes) and ceramic membranes for water treatment. He’s currently Director of the department “Physico-Chemistry, Interface and Polymer” at the European Membrane Institute of Montpellier (IEM) and co-director of the International French-Russia Laboratory MEIPA “Ion Exchange Membranes and Associated Processes”. Up to March 2017, he has co-authored 80 peer reviewed papers, 6 books and monographs and was the (co)-supervisors of 16 PhD. E-mail: marc.cretin@umontpellier.fr; Orcid: http://orcid.org/0000-0002-2617-8136; Researcher ID: http://www.researcherid.com/rid/C-3119-2015
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