

Call for Papers

Special Issue on “Last Developments in the Application of Ultrasound to Waste Water Treatment”

Guest Editor:

Prof. Dr. Gönül Gündüz

Ege University, Chemical Engineering Department, 35100 Bornova/İzmir/Turkey,

Authors are invited to openly submit papers for the Special Issue on ‘*Last Developments in the Application of Ultrasound to Waste Water Treatment*’ to Prof.Dr.Gönül Gündüz (Guest Editor).

The scope of the issue will include, but is not limited to:

- Background of Radical Sonochemistry
- Influences of ambient and operational parameters in sonolytic degradation of pollutants dissolved in water
- Individual effect of ultrasound in waste water treatment
- Integration of ultrasonic techniques with classical advanced oxidation tools(e.g. ozonation, UV radiation, Fenton and photo-Fenton reactions) and heterogeneous catalysis
- Sonochemical degradation of phenol and its derivatives
- Sonochemical degradation of textile dyes
- Sonochemical degradation of carboxylic acids
- Last developments in sonication devices

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Prof. Dr. Gönül Gündüz

*Department of Chemical Engineering, Faculty of Engineering,
Ege University, 35100 Bornova/İzmir/Turkey*

The ‘*The Open Acoustics Journal*’ invites authors to submit papers for the Special Issue on the topic of ‘*Last Developments in the Application of Ultrasound to Waste Water Treatment*’. The special issue is aimed to provide a forum for publication of original peer-reviewed short communications, full-length research and review articles on new research findings and developments in sonochemistry. As the field is highly important it requires co-operation between research community from all over the world to share their knowledge and experience in order to use ultrasound as an environmental remediation technique.

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- Individual effect of ultrasound in waste water treatment
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- Sonochemical degradation of carboxylic acids
- Last developments in sonication devices

Papers on other relevant topics reporting the latest achievements in the field of sonication will be also considered for publication in this special issue.

This special issue will provide a platform for rapid publication of high quality articles. It is aimed to be a most reliable source of information on current developments and research in the field freely available to researchers worldwide.

The open access publication of this issue in ‘*The Open Acoustics Journal*’ is the combination of scholarly literature with the new technology converging it to make possible an unprecedented public good. It is the universal tradition that researchers and scholars want to publish the fruits of their research for the sake of inquiry and knowledge. The new technology is the internet. The public good they make possible is the world-wide electronic distribution of the literature and completely free and unrestricted access to it by all scientists, scholars, teachers, students, and other curious minds. We are confident that the OPEN ACCESS availability of the literature contained in this issue will accelerate research, enrich education, make this literature as useful as it can be, and lay the foundation for uniting humanity in a common intellectual conversation and quest for knowledge.

The papers will be initially screened by the special issue editor, and then send out for single blind peer review in accordance with the procedures of *'The Open Acoustics Journal'*. Authors are encouraged to submit high-quality articles that have neither appeared in nor are under consideration by other journals.

Manuscripts should be submitted for review with a covering letter and a list of five potential reviewers and their contact details including e-mails to the guest editor of the issue, Prof.Dr. Gönül Gündüz. Authors may also submit their articles directly to the journal editorial office at toacoj@benthamopen.org .

Manuscripts can also be submitted online using our online submission service available via FTP at www.bentham.org/open/toacoj

Authors must consult the 'Instructions for Authors', for manuscript templates, cover letter, formatting requirements and submission guidelines available on the journal web site at <http://bentham.org/open/toacoj/MSandI.htm>

The Special Issue is scheduled for publication in second half of 2010.