Call for papers

IWA Conference on Algal Technologies and Stabilization Ponds for Wastewater Treatment and Resource Recovery - IWAlgae2019

1st-2nd July 2019
www.iwalgae2019.uva.es
IWAlgae2019@uva.es
Valladolid, Spain
INVITATION

On behalf of the Scientific Program and Organizing Committees, we are delighted to invite you to the IWA Conference on Algal Technologies and Stabilization Ponds for Wastewater Treatment and Resource Recovery IWAlgae2019.

In a global scenario of increasing energy prices and quest for sustainable human activities, wastewater treatment in the XXI century must undergo a dramatic revision of its current practices. These must aim at developing a new generation of energy-efficient and resource-recovery processes, whilst complying with the ever-stricter environmental regulations.

IWAlgae2019 will be held in Valladolid, Spain. Valladolid University is one of Spain’s and Europe’s oldest Universities (established in the XIII century). Conference attendees will enjoy accessibility to world-class conference facilities and beautiful historical sightseeing tours in a land of castles and vineyards. Valladolid is also only 1 h drive from a number of UNESCO World Heritage sites.

This event represents a joint conference, bringing together the 2nd IWA Conference on Algal Technologies for Wastewater Treatment and Resource Recovery and the 12th IWA Specialist Group Conference in Wastewater Pond Technology. These two international conferences will allow scientists, algaeneers and practitioners to exchange the latest knowledge on the application of photosynthetic microorganisms for wastewater treatment and resource recovery, covering traditional opened ponds systems and the use of photobioreactors.

Wastewater treatment using photosynthetic microorganisms can benefit from the knowledge coming from the use of algae to produce biofuels, food supplements or green pharmaceuticals and of microbial physiology of purple photosynthetic bacteria. Likewise, wastewater as a cheap source of nutrients and inorganic carbon is promising for the mass production of algae-based commodities. For example, microalgae based treatment systems in developing and tropical countries may reduce wastewater treatment costs via the recovery of its inherent resources, while providing effective sanitation services.

The opportunity to bring together expertise in both extensive (ponds) and intensive (photobioreactors) algal systems in a single event constitutes a unique overview and discussion platform of the latest scientific developments and practical applications in a field of research that has exponentially increased over the past decade. In this context, it is worth noticing that the number of publications in microalgal-based wastewater treatment has increased from 60 in 2007 to > 1000 in 2017.

TOPICS

This conference will focus on the latest technological and scientific advances in the fields of resource recovery based on photosynthetic microorganisms and waste stabilization ponds for wastewater management. More specifically, the following topics will be included:

1. Algal-bacterial photobioreactors/ponds for wastewater treatment
2. Experimental methods, algal respirometry, monitoring, modeling and process control
3. Algal-Bacterial interactions and microbial ecology
4. Macroalgae-based technologies
5. Purple photosynthetic bacteria-based wastewater treatment
6. Biofuels from photosynthetic microorganisms
7. Waste gas treatment and greenhouse gas capture (including biogas upgrading)
8. Harvesting technologies
9. Algae downstream processing to valuable products
10. Algae-based biorefineries
11. Life cycle assessment
12. Advances in wastewater pond technology (cases of study and fundamental research)
13. Alga-bacteria-pathogen/virus interactions

Important Deadlines

<table>
<thead>
<tr>
<th>Event</th>
<th>Deadline</th>
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<tr>
<td>First Call of Papers</td>
<td>July 20th 2018</td>
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<tr>
<td>Second call for papers</td>
<td>October 15th 2018</td>
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<tr>
<td>Third call for papers</td>
<td>December 1st 2018</td>
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<tr>
<td>Extended abstract submission</td>
<td>December 15th 2018</td>
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<tr>
<td>Notification of abstract acceptance as oral and poster presentation</td>
<td>March 1st 2019</td>
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<td>Early bird registration deadline:</td>
<td>May 1st 2019</td>
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<td>Conference dates:</td>
<td>July 1st-2nd 2019</td>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Dr. Raúl Muñoz</td>
<td>Organizing Committee Chair</td>
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<tr>
<td>Dr. Miller Alonso Camargo-Valero</td>
<td>Organizing Committee Co-Chair</td>
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<tr>
<td>Dr. Raquel Lebrero</td>
<td>Organizing Committee Secretary</td>
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Dr. Andy Shilton, Massey University, New Zealand  
Dr. Elena Ficara, Politecnico di Milano, Italy  
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M.C.A. Roxana Ángeles Torres, Valladolid University, Spain  
M.Eng. Cristian Sepúlveda, Valladolid University, Spain  
M.Eng. Ana Lorenzo Hernando, Valladolid University, Spain  
Eng. Ricardo Saavedra Concha, Valladolid University, Spain

**PAPER SUBMISSION**

All authors should register by submitting an extended abstract (2 pages max.) before December 15th 2018.


Presentations will be selected upon recommendations from at least 2 reviewers, from or appointed by the Scientific Program Committee, based on their scientific quality, significance, novelty and relevance to the conference scope.

There is no restriction on the number of papers each author can contribute with. However, the number of oral presentations the same author can give is limited to two.

**PAPER PUBLICATION**

A Special Issue in the IWA Publishing’s journal Water Science and Technology will be prepared with the best 25 extended abstracts (deadline for full paper submission Nov 1st 2019). Specifications for the formatting of papers are available on the IWAP website at [http://wst.iwaponline.com/content/instructions-authors-wst](http://wst.iwaponline.com/content/instructions-authors-wst).

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Aqualia

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**VENUE**

IWAlgae2019 will be held in Valladolid, Spain.

Valladolid University is one of Spain’s and Europe’s oldest Universities (13th century). Valladolid is located approximately 200 km north-west of Madrid and well connected by air, rail and road to the most important cities in Spain and Europe. Conference attendees will enjoy access to world-class conference facilities and beautiful historical sightseeing tours in a land of castles and vineyards. Valladolid is also only an hour’s drive from a number of UNESCO World Heritage sites (Salamanca, Avila, Segovia, Burgos).

The conference will be held at Palacio Conde Ansúrez conference center, Valladolid University. The conference facility is a remodeled XVII Palace with a capacity for 1200 people, IT rooms, catering service, etc.

**CONTACTS**

For more complete and updated information, please check the conference website: www.iwalgae2019.uva.es

For general and scientific enquiries please email: IWAlgae2019@uva.es

**REGISTRATION FEES**

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<tr>
<th>Type</th>
<th>IWA Member</th>
<th>Non IWA Member</th>
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<tr>
<td>Full*</td>
<td>500 €</td>
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<tr>
<td>Early* (before May 1st)</td>
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<td>Day visitor*</td>
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*Includes access to all conference activities, conference proceedings, welcome reception and conference dinner.

Students must upload their corresponding student card.
These prices will be increased with the corresponding VAT (21% in Spain)