

Announcement
ANSWER Summer School
on wastewater reuse and current challenges
June 12-23, 2016, Barcelona, Spain
Venue: IDAEA-CSIC, Jordi Girona 18, <http://www.idaea.csic.es/>



Summer School Overview

Nireas, International Water Research Center of the University of Cyprus together with the consortium of the project organizes a 10-days Summer School in the framework of ANSWER/H2020-MSCA-ITN-2015/675530 project, entitled "Antibiotics and mobile resistance elements in wastewater reuse applications: risks and innovative solutions", which will be held in **Barcelona, Spain on June 12-23, 2016**. The host organization of the school is the Agencia Estatal Consejo Superior de Investigaciones Cientificas (*Spanish National Research Council*) (CSIC).

Post-graduate students in the field of **Environmental/Chemical Engineering, Chemistry** and **Microbiology** will have the opportunity to attend an intensive and interactive programme with lectures and case studies covering themes related to the entire field of wastewater reuse, current challenges and opportunities. The School will bring together scientists and professionals from the academic and non-academic sector, from various countries (e.g. Europe, USA, South Korea, Singapore, etc.), with multi-disciplinary expertise in wastewater treatment, reuse and policies applied both in and outside Europe. It is noted that the 15 Early-Stage Researchers (ESRs) of the ANSWER project will participate in this event.





Summer School Objectives

The aim of this event is to provide young researchers with **professional** and **personal development opportunities** beyond what they are generally exposed to in the course of their PhD training. By creating an **exceptional** and **truly international, intercultural** and **interdisciplinary meeting**, the Summer School will provide the students with an up-to-date platform from where they will gain knowledge on wastewater reuse and will create a highly stimulating learning experience which is of a long-lasting value to the participants' future careers.

Through the Summer School the following aspects will be tackled:

- Wastewater reuse practices - case studies
- Overview of the problem: its implications for human health and uncertainties that need to be solved
- Chemistry and fate of contaminants of emerging concern and their transformation products in wastewater reuse systems
- Bacterial diversity and eco-physiology in water and soil
- Risk assessment of antibiotic resistance genes transfer to soil and sludge environments
- Dynamics of antibiotic resistance in crop production systems/Uptake of trace elements by crops
- Biotic/abiotic factors stimulating horizontal gene transfer in aquatic microbiomes
- Advanced wastewater treatment processes currently applied at pilot-scale
- Ethics/Bioethics in research

In addition to studying, the students will have the opportunity to enjoy interesting **guided tours** and **visits at museums** and explore the city in their free time. All courses will be taught in English, and students must be proficient in English in order to be able to participate.

 <p>Who can attend?</p>	<ul style="list-style-type: none"> Post-graduate students in the field of Environmental/Chemical Engineering, Chemistry and Microbiology. 		
 <p>Applications</p>	<p>To apply, please provide:</p> <ul style="list-style-type: none"> The application form; A Curriculum Vitae (CV). <p>Available number of positions: 35</p> <p>All applications should be submitted to Mr. Toumazis Toumazi (toumazis.toumazi@ucy.ac.cy) no later than 30 April 2016.</p> <p>Successful applicants will be contacted directly by e-mail by 7 May 2016.</p>		
 <p>Selection criteria</p>	<p>Applicants will be evaluated on the basis of two main criteria:</p> <ol style="list-style-type: none"> Relevance of applicants' studies and research experience to the topics of the Summer School programme; Balanced distribution of educational background (e.g. chemical engineering; environmental engineering; chemistry; microbiology). 		
 <p>Fees and accommodation</p>	<table border="1" data-bbox="555 1355 1332 1467"> <tr> <td data-bbox="566 1361 1125 1460"> <p>Registration Fees (including registration cocktail, lunches & coffee breaks, field trips and entrance fees)</p> </td> <td data-bbox="1129 1361 1324 1460"> <p>430 € *</p> </td> </tr> </table> <p>*These fees do not apply to the ANSWER project ESRs</p> <p>Travel and accommodation must be arranged and covered by each participant after the receipt of the acceptance email.</p>	<p>Registration Fees (including registration cocktail, lunches & coffee breaks, field trips and entrance fees)</p>	<p>430 € *</p>
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