

Training Event TE-C

Microcontaminants in the aquatic water cycle - wastewater reuse - the Cypriot/Israeli experience



Tel Aviv, Israel
05/03/2017 – 10/03/2017



Schedule

- 2.5 days for "Microcontaminants in the aquatic water cycle - wastewater reuse - the Cypriot/Israeli experience; Diversity/distribution of soil bacteria (**SC5**)"
- 1 day for "Preparation of research proposals and management of projects"
- 1 day for "Training course in live-media competence"
- 1 day for "Entrepreneurship and commercial exploitation of research results"
- 0.5 day for "Introduction to patent law"



SC5: Microcontaminants in the aquatic water cycle - WW reuse - the Cypriot/Israeli experience

- The course will provide knowledge on the occurrence of pharmaceuticals in wastewater, discuss the capacity of technologies to remove them and highlight some of their major adverse effects.
- The formation of transformation products (TPs) and the removal of antibiotic-resistant bacteria (ARB) during the application of such technologies will be discussed.
- It will provide also an overview on the agronomic, chemical, microbiological, physical and hydrological aspects of treated wastewater irrigation.
- It will explore technological, economical and policy-associated issues, and enter the debate of ‘what level of treatment is really needed’.
- The course will include a field trip to different agricultural sites irrigated with treated wastewater.



Preparation of research proposals and management of projects

- The various research opportunities available in Horizon 2020, initiatives executed by several member states or joint programmes will be presented.
- Furthermore, the approach of writing successful proposals will be discussed and presented through practical examples.
- The Early-Stage Researchers (ESRs) will be introduced into how important is to present their novelty and supporting arguments clearly, etc.
- Best practice advice on how to manage successfully research projects will be presented,



Training course in live-media competence

- Focus on competence in the use of television to disseminate science to a broad audience as an emerging and highly important skill for scientists today.
 - Interview training.
 - Documentation of scientific results in short movies and science competitions like Fame Lab.
- * The course will be offered in collaboration with scientists already obtained first and other prizes in international science festivals coming from Cyprus and other competent and experienced persons.**



Entrepreneurship and commercial exploitation of research results

- This course will be given for the development of policies to regulate technological and scientific growth.
- The course will refer to the various forms of intellectual properties like patents, copyrights, etc.
- * **The principle idea behind this set-up is to train and educate ESRs in the use of intellectual property rights (IPR).**

Introduction to patent law

This course is designed for inventors, scientists, engineers and others engaged in research/technical endeavors.

- It will include among others, information on ‘Why You Might Want a Patent’, ‘Overview of Patents’, ‘Drafting a Patent Application’.

