

An activity of international cooperation project "The potential of biogas for the recovery of organic waste in Morocco" between the University of Cordoba and the University of Kenitra addressed to all students and technical staff.

During five days the lecturers will carry out a review on the major issues of solid and liquid wastes management in the Mediterranean region. The solid waste management in Europe, the recovery of biogas, composting treatment of municipal and animal waste, the exploitation of gas in landfills and farms will be among the topics to be presented. The conferences will take place from 9.00 to 13.30. In the afternoon there will be a discussion forum with the participants to share their point of view on the issues. Additional information, as provisional program, may be found at

www.uco.es/pci-uco-kenitra.

Funding Entity

Spanish agency for international development cooperation



Organizers



Collaborate

Moroccan association of solid waste



Honor committee

1. Mr. Alberto Navarro. Ambassador of Spain in Morocco.
2. Mr. Jose Manuel Roldán Nogueras. Rector of University of Cordoba, Spain.
3. Mr. Mohammed Essaouri. President of University Ibn Tofail, Kenitra, Morocco.

Professors

1. Arturo Chica Perez (University of Cordoba – Spain)
2. Abdelali Dakkina (National Agency for the renewable Energy Development - Morocco)
3. El Hafidi (University of Kaddi Ayad - Marrakech, Morocco)
4. Mohamed Ouhssine (University Ibn Tofail- Kenitra, Morocco)
5. Elamin Afilal (University of Mohamed Premier -Oujda, Morocco)
6. Abdelhaq Amahrouch (National Agency for the renewable Energy development, Morocco)
7. Mohamed Tahiri (University Ain Chock University- Casablanca)
8. Hassam El Bari (University Ibn Tofail – Morocco)
9. Antonio Martin Martin (University of Cordoba – Spain)
10. Maria Angeles Martin Santos (University of Cordoba – Spain)
11. Rafael Borja Padilla (Superior Council of Scientific Research (Spain)
12. Luca Ciacchi (University of Boulogne, Italy)
13. Elizabeth Duarte (University of Lisboa – Portugal)
14. Günay Kocasoy (Institute of Environmental Sciences, Istanbul - Turkey)
15. Ludwig Streff (ICP Engineer's society — Deutschland)

Places limited to 35 students

- 20 Moroccan Ph.D.-Students
- 10 No-Moroccan Ph.D.-Students
- 5 Moroccan technical staff

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THE FIRST
MEDITERRANEAN
WORKSHOP ON ORGANIC
WASTE RECOVERY,
BIOMASS AND RENEWABLE
ENERGY

13-17th December, 2010
University Ibn Tofail, Kenitra.



www.uco.es/www.uco.es/pci-uco-kenitra/

The First Mediterranean Workshop on organic waste recovery, biomass and renewable energy

In many Mediterranean countries, the organic waste fraction always corresponds to more than fifty per cent of total of municipal waste generated. The disposal on landfill is not a sustainable method of dealing with this fraction. In fact, the biodegradable waste becomes an important source of greenhouse gas emissions when deposited in landfill without previous stabilization.

Composting and anaerobic digestion (AD) are among the best practices of dealing with organic waste. These processes are known to be the controlled biological decomposition of organic solid waste under aerobic or anaerobic conditions, respectively. Anaerobic digestion is set to become increasingly important as it is considered as an energy positive process since it produces more energy than it requires.

As a result, the renewable energy from biogas sector will play an increasingly central role in global energy management. Many Mediterranean governments provide generous support for waste-to-energy technologies such as, the anaerobic digestion.

The First Mediterranean Workshop on Organics Waste Recovery – Biomass and Renewable Energy is organized by the Ibn tofail University - Kenitra (Morocco) and the University of Cordoba (Spain). The financial support is supplied by the Spanish Agency of international cooperation and development between 13th and 17th December, 2010.



Workshop objectives

The aim of this workshop is to provide an insight into the fundamentals of composting and anaerobic digestion technologies, focusing on the Mediterranean region. Furthermore, the participants will have the opportunity to know how energy recovery from organic waste could contribute to resource and environmental safety.

Workshop topics

Composting of organic waste.

Anaerobic digestion of different kind of biomass feedstock.

Appropriate and adapted technologies for different substrates in the Mediterranean region.

Life cycle and Environmental impact assessments of different recovery methods.

Using the collected gas as a source of renewable energy.

Monitoring and control of the AD process.

Modelling of the AD process.

Reactor design for anaerobic treatment of solid waste and wastewater.

Types of anaerobic digestion systems.

R&D projects and Pilot plants.



Participation to the Workshop

This workshop is a one-week symposium for graduate students, researchers, technicians and professionals working at Moroccan and foreign universities, agencies, research centres or private companies.

Pre-registration form (until 22th, November)

Registration for:	Price
<input type="checkbox"/> Moroccan students	Free
<input type="checkbox"/> No-Moroccan students	Free
<input type="checkbox"/> Technical staff	Free

Name: _____
Surname: _____
University/School or Company: _____
Graduate: _____
E-mail: _____
Phone: _____

Assistants have include coffee breaks, lunch and accommodation in the university residence Ibn Tofail University in Kenitra, documentation, and visits. In the last day the participant will passed a test about the workshop topics and they will received a certificate about their test result and participation.

For **Pre-registration** it is necessary to submit this form to the Workshop secretary to the following e-mail address: ucokenitra@gmail.com. A brief description of their careers or Curriculum Vitae (5-10 lines) should be included.

For **registration**, the chosen assistants will be notified and invited to formalize his inscription in the following website: <http://uco.es/estudios/sep/orion>

Secretary of Workshop:

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