Université جامعة ابن طفيل Ibn Tofaïl

Faculté des Sciences

SETIME Laboratory

Project: RenewValue

Organizes Workshop

Valorisation of lignocellulosic biomass waste: Case of date palm

On December 28, 2022

At the Faculty of Science Kenitra

Presentation of the RenewValue project

In the MENA region, populations in arid and semi-arid areas, often located in former oases, face serious environmental and socioeconomic problems related mainly to population growth. These communities are generally dependent on centralized energy production and do not benefit from any added value from large-scale solar power plants in Morocco and Tunisia.

The overall objective of the proposed project was to systematically address the energy demand and potential of small communities in these inland and arid areas of Morocco and Tunisia. The goal is also to transfer the results of this project to other similar communities in the MENA region. In this project, sustainable and transferable energy concepts will be modelled and simulated for the case of the two selected regions in the two countries.

Preamble

Currently, agriculture in the Saharan regions is confronted with two opposing ideas: the need to preserve a production system that has resisted for centuries but is now subject to some of the most harmful socio-cultural, economic and ecological constraints, and the duty to advance a new, so-called "modern" agriculture, which should, in the near future, ensure the revival of the agricultural sector in these regions. Certainly, the wastes of the date palm are generally thrown towards the dumps or zones of the forest or there is risk of fires what causes environmental problems.

However, national and international economic changes, socio-cultural changes and ecological disturbances are leading to changes in farm management and agricultural practices. Currently, a strategic vision is emerging that is intended to be participatory and that offers different functions to the rural space.

Theme

The objective of this workshop is to exchange ideas on the energy recovery of lignocellulosic biomass, in particular the waste of date palm in Morocco by the various methods of recovery, namely:

- Aerobic treatment: composting;
- Energy recovery: thermochemical and biochemical conversion
- Food valorisation: cattle feeding.

Honorary President

Prof. Mohammed Ebn Touhami; Dean of Faculty of Sciences Kénitra

Workshop Coordinator

Pr. Hassan El Bari (FSK, UIT)

Workshop Secretariat

Dr. Nabila Lahboubi (FSK, UIT)
Mme. Sanae Habchi (FSK, UIT)

Organizing Committee

Pr. Hassan El Bari (FSK, UIT)
Pr. Mohammed Aggour (FSK, UIT)
Pr. Mohammed Igouzal (FSK, UIT)
Pr. Lmokhtar Ikharrazne (FSK, UIT)
Dr. Nabila Lahboubi (FSK, UIT)
Dr. Fadoua Karouach (ASARI-UM6P)
Mme. Sanae Habchi (FSK, UIT)
M. Omar Kerrou (FSK, UIT)

Participation

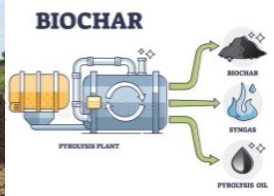
This workshop is dedicated to PhD students, researchers and professors.
Participants are requested to register through the following link:
https://docs.google.com/forms/d/e/1FAIpQLSeml2IJ8Y6WoZ-grXrP-aeV_Q5TcBdCi3lfrptf05Gvn-2gSw/viewform?usp=sf_link
Deadline Is 24 December 2022

Contact

Sanae Habchi, UIT
Mail: renewvalueworkshop2022@gmail.com

Program:

9:00 – 9:30	Opening
9:30 – 10:00	Opening Speech Dean of the Faculty of Sciences Moroccan coordinator of the project
Theme I - Valorisation of date palm waste	
10:00 – 10:20	Problem of the waste of the date palm, Animated by Prof. Hassan El Bari
10:20 – 10:40	Food and cosmetics valorisation of date seeds
10:40 – 11:00	Valorisation of date palm waste by biochemical conversion-state of the art, animated by Dr. Nabila Lahboubi
11:00 – 11:30	Discussion
11:30 – 12:00	Coffee break
Theme II - Thermochemical valorisation of lignocellulosic waste	
12:00 – 12:20	The waste of the date palm and its ways of energy recovery, animated by Dr. Fadoua Karouach
12:20 – 12:40	Energetic potential of date palm waste, Animated by Omar Kerrou
12:40 - 13:00	Biochar production from date palm waste: process and applications, Animated by Sanae Habchi
13:00 – 13:20	Hydrothermal carbonization of lignocellulosic biomass and its applications, Animated by Prof. Mohammed Asbik
13:20 – 13:40	Valorisation of Moroccan Olive Cake in small scale burner through Stirling engine, Animated by Prof. Nadia Rassai
13:40 – 14:00	Discussion
14:00 -- 14:30	Closing and recommendation
14:30	Lunch



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