



Instructions for abstract preparation

The abstracts will be reviewed by members of the Scientific Committee of the SYMPOSIUM Crete 2012.

Accepted abstracts will be provided to conference attendees. Abstract titles and author lists will be included in the Symposium book of abstracts.

The abstract should be submitted in **word or pdf format** by email at mdoula@otenet.gr

The deadline for abstract submission is the **30th June 2012**.

Additional information:

- Provide 3-5 key words
- The abstract should be one page long.
- Use A4 page set-up and make all margins (top, bottom, left, right) 20 mm wide.
- Use 10 pt Times New Roman font (except for the title which should be in 12 pt bold).
- Centre the title, the authors' names, the addresses and email address.
- Justify the body of the text both left and right.
- You may include numbered Tables, Figures, and Photos
- Use clear English to write your abstract, with an emphasis on describing what is new and why it should attract the attention of the audience.
- Do not include references

DISPOSAL OF OLIVE OIL MILLS WASTES IN EVAPORATION PONDS: A SERIOUS THREAT FOR SOIL QUALITY

J.L.Moreno¹, M.K.Doula², M.A.Sanchez-Moreno¹, C.Garcia¹, V. Kavvadias²

1..Dept. Soil and Water Conservation and Organic Resources management, CEBAS-CSIC, 30100-Espinasrdo, Murcia Spain, e-mail: jlmoreno@cebas.csic.es

2. Soil Science Institute of Athens, Hellenic Agricultural Organization-DEMETER, 1 Sof. Venizelou str., 14123 Likovrisi, Greece, e-mail: mdoula@otenet.gr

Key words: olive oil mills wastes, OMW, bioremediation, soil, degradation

Abstract : Bioremediation is a process in which microorganisms metabolize contaminants either through oxidative or reductive processes. As such, it uses relatively low-cost and simple techniques, which generally have high public acceptance and can often be carried out on site. Under favorable conditions, microorganisms can completely oxidize organic contaminants and convert them into non-toxic by-products such as carbon dioxide and water or organic acids and methane. The implementation of bioremediation technology for olive oil mills wastes (OMW) disposal areas although could be suitable for Mediterranean countries, where the disposal of OMW in open evaporation ponds or directly on soil is a current and common practice, has not been developed as an alternative soil remediation technology so far.