

## Accepted Manuscript

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S.S. Kontos, F.K. Katrivesis, T.C. Constantinou, C.A. Zoga, I.S. Ioannou, P.G. Koutsoukos, C.A. Paraskeva

PII: S1383-5866(17)32694-1  
DOI: <https://doi.org/10.1016/j.seppur.2017.11.005>  
Reference: SEPPUR 14159

To appear in: *Separation and Purification Technology*

Received Date: 16 August 2017  
Revised Date: 28 October 2017  
Accepted Date: 2 November 2017

Please cite this article as: S.S. Kontos, F.K. Katrivesis, T.C. Constantinou, C.A. Zoga, I.S. Ioannou, P.G. Koutsoukos, C.A. Paraskeva, Implementation of membrane filtration and melt crystallization for the effective treatment and valorization of olive mill wastewaters, *Separation and Purification Technology* (2017), doi: <https://doi.org/10.1016/j.seppur.2017.11.005>

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# IMPLEMENTATION OF MEMBRANE FILTRATION AND MELT CRYSTALLIZATION FOR THE EFFECTIVE TREATMENT AND VALORIZATION OF OLIVE MILL WASTEWATERS

S.S. Kontos<sup>1,2</sup>, F.K. Katrivesis<sup>1</sup>, T. C. Constantinou<sup>1</sup>, C. A. Zoga<sup>1</sup>, I. S. Ioannou<sup>1</sup>, P.G. Koutsoukos<sup>1,2</sup>, C.A. Paraskeva<sup>1,2</sup>

- ❖ Corresponding Author: C. A. Paraskeva
- ❖ Phone: + 30 2610 997252
- ❖ Fax: + 30 2610 997574
- ❖ E-mail: takisp@chemeng.upatras.gr

<sup>1</sup>Department of Chemical Engineering, University of Patras, Rion, Patras, GR 26504, Greece and

<sup>2</sup>Institute of Chemical Engineering Sciences, Foundation for Research and Technology, Hellas (FORTH/ICE-HT), Stadiou Str., Platani, Patras, GR 26504, Greece

## Abstract

The olive oil extraction process is of vital importance for the farmers at Mediterranean countries. However, olive oil production is directly associated with the co-production of large quantities of Olive Mill Wastewater (OMW), which are considered as wastes but at the same time can also be considered as byproducts enriched in high added value constituents, such as phenolic compounds. The idea in the present work is firstly to separate and isolate the low molecular size phenolic compounds from other organic compounds, of high molecular size, using a

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