

Environmental Performance of Olive Oil Production in Greece

Authors : P. Tsarouhas, Ch. Achillas, D. Aidonis, D. Folinas, V. Maslis, N. Moussiopoulos

Abstract : Agricultural production is a sector with high socioeconomic significance and key implications on employment and nutritional security. However, the impacts of agrifood production and consumption patterns on the environment are considerable, mainly due to the demand of large inputs of resources. This paper presents a case study of olive oil production in Greece, an important agri-product especially for countries in the Mediterranean basin. Life Cycle Analysis has been used to quantify the environmental performance of olive oil production. All key parameters that are associated with the life cycle of olive oil production are studied and environmental “hotspots” are diagnosed.

Keywords : LCA, olive oil production, environmental impact, case study, Greece

Conference Title : ICAFE 2014 : International Conference on Agricultural and Food Engineering

Conference Location : Istanbul, Türkiye

Conference Dates : December 22-23, 2014