

USING GEOTHERMAL ENERGY TO PRODUCE OLIVE OIL IN THE GULF EDREMIT

Ozer KULA¹ Ismail MUTLU¹ Mucahit KIVRAK¹ Mehmet ALGIL¹

¹ Balıkesir University Edremit Vocational School 10300 Edremit / Balıkesir / TR

Geothermal energy is one of the most prominent energy sources due to increasing environmental pollution and global warming causes and CO₂ emissions. There are a large number of olive oil factories in Edremit which is located in the foothills of Mount Ida. This area is also a zone of the geothermal energy source. The olive harvest begins in the cold weather so the olive oil factories open in the winters. . Factories running during the winter months need a solid fuel heating system for two reasons. The first reason is heating the factory building and the second one is heating the temperature of the machine while making the oil. Factories generally use pomace as a fuel since it is cheaper. In this study, achievements of using renewable energy sources instead of a solid fuel heating system were investigated.

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