

Olive mill waste uses Olive mill wastes have a wide range of uses and benefits that can be used in various industries. The use of olive mill waste can be seen in its contribution to a circular economy. It is composed of polyphenols, fatty acids, and other compounds that can be used for a variety of purposes. Moreover, due to the high concentration of polyphenols, it is also used as a fungicide to protect trees and other vegetation from fungi and bacteria. Last but not least, it is employed to extract pure cellulose, which is helpful in numerous sectors, including paper, textiles, and explosives. Also, olive mill waste has an important role in pharmaceuticals, it is high in phenolic compounds which are in high demand in food and cosmetic products. Olive mill waste is a valuable resource that can be used to generate energy, typically in the form of biogas or electricity. It has a positive effect on the soil due to its high content of organic matter and mineral nutrients. Moreover, polyphenols are used in medicine as they reduce morbidity or slow down the development of cardiovascular disease and cancer. Moreover, olive mill waste plays a significant role in the animal feed business, even though it is not particularly high in energy or crude protein. Therefore, it plays a key role in its effectiveness as an organic fertilizer and in soil health. This form of waste-based energy production is particularly important in regions where other resources, such as wood and charcoal are scarce.