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Techno-economical evaluation of a new technique for olive mill wastewater treatment

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1. Collection of olive mill wastewater and oil separation by centrifugation.
2. The aqueous phase that sedimented by centrifugation was dedicated to the recovery of polyphenols.
3. Transesterification of separate oil to produce methyl esters and glycerol.
4. The oily phase contained in OMW, it will be the source of extraction of two fatty acids (oleic and linoleic acids) with high purities, biodegradable soap and glycerol as a co product.
5. The upgrading unit was designed and each of the equipment determines which confirmed the technical feasibility.

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