

Two-stage Bio-hydrogen and Polyhydroxyalkanoate Production: Upcycling of Spent Coffee Grounds

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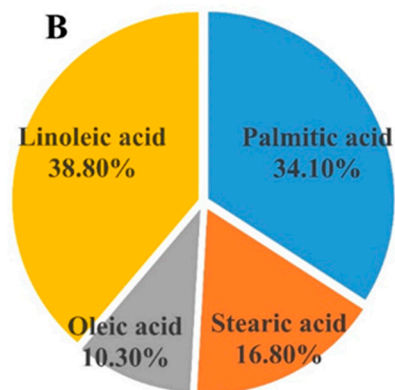
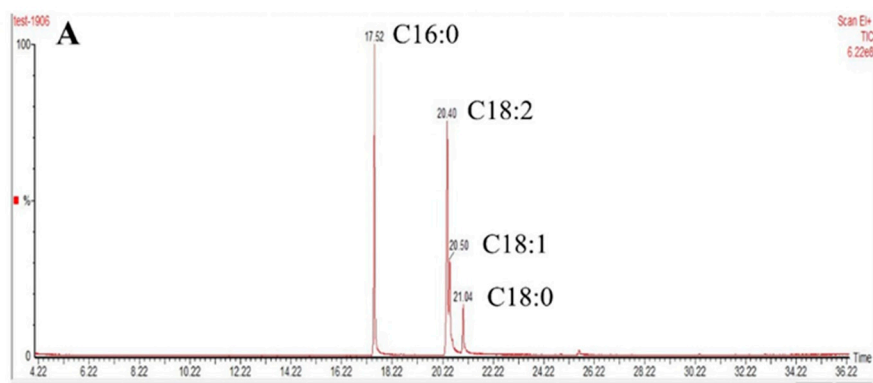


Figure S1. Qualitative and quantitative analysis of spent coffee grounds oil (A) GC/MS graph of qualitative analysis (B) composition of fatty acids in SCGs oil.

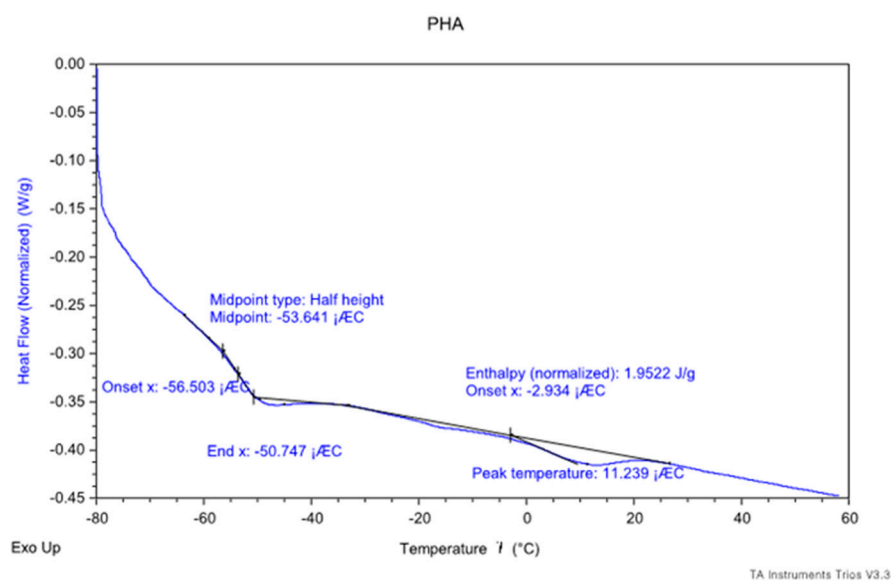
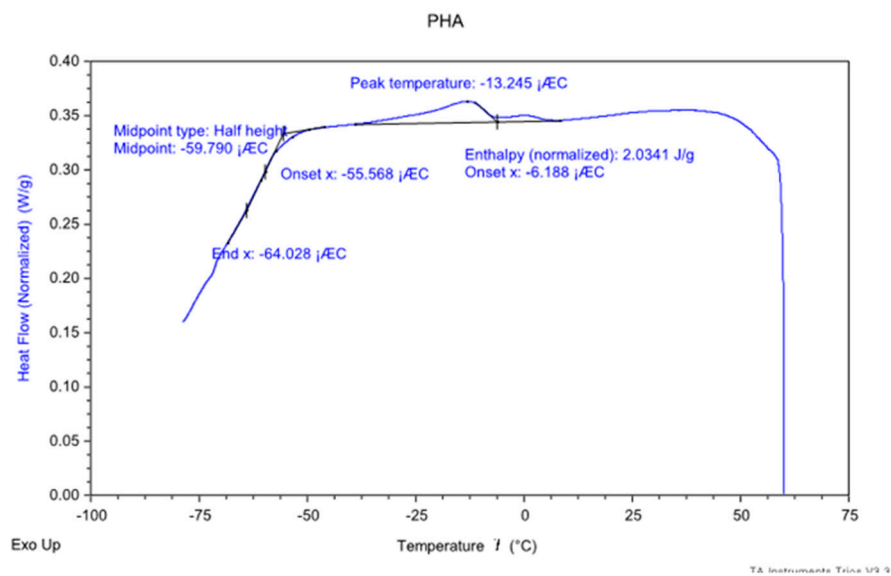


Figure S2. Differential scanning calorimetry results of mcl-PHA.

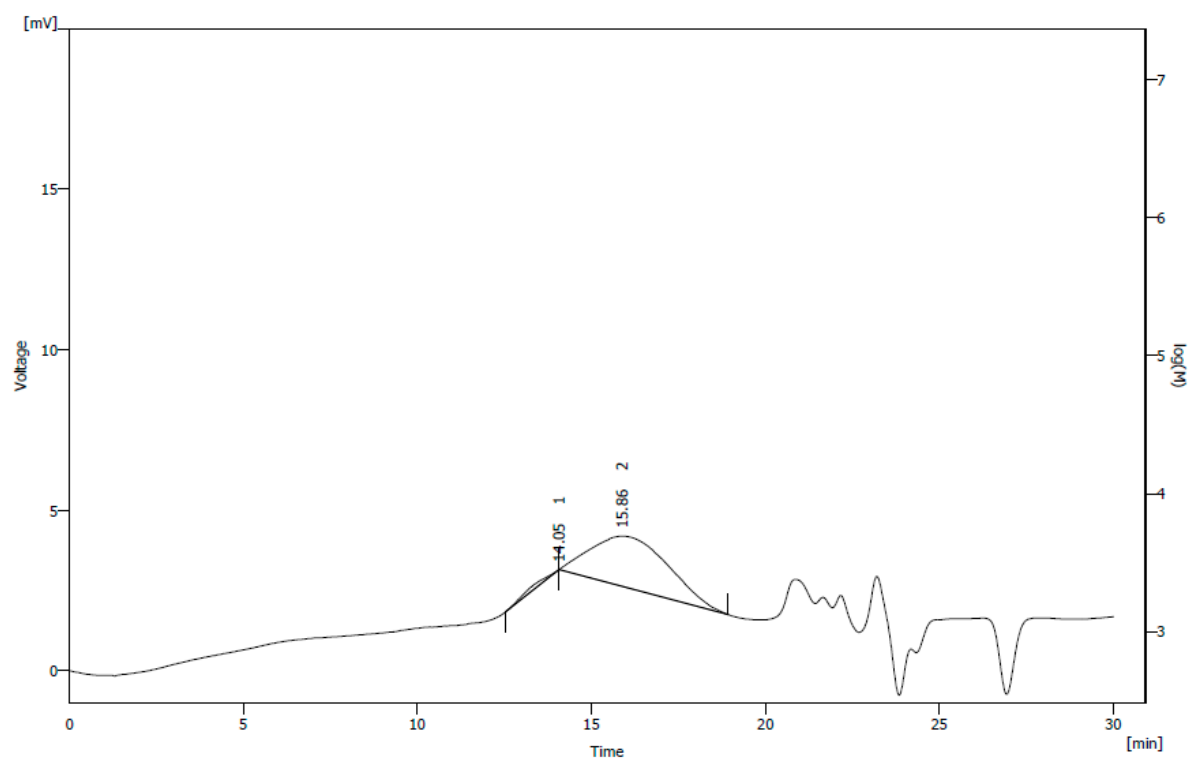


Figure S3. Gel permeation chromatography result of mcl-PHA.