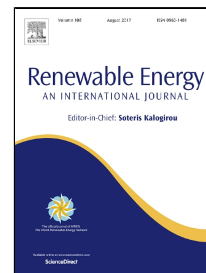


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Bio-Based Diluents Improve Cold Flow Properties of Dairy Washed Milk-Scum Biodiesel

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Highlights

- Biodiesel synthesized from an effluent obtained from milk dairy called dairy washed milk scum (DWMS)
- Two bio-based diluents such as, ethyl acetoacetate (EAA) and ethyl levulinate (EL) were used as cold flow improvers for DWMS biodiesel.
- The cloud point (CP), pour point (PP) and cold filter plugging point (CFPP) of DWMS biodiesel blends improved with the addition of EAA and EL.
- Strong correlations were found between CP, PP and CFPP with DSC parameters.

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