9th International Conference on Sustainable Solid Waste Management (CORFU 2022)

June 15-18, 2022 | Corfu Island Greece



Dark fermentation as an environmental-sustainable win-win solution for bioenergy production

Camacho, C.I., Estévez, S., Feijoo, G., Moreira, M.T.

CRETUS, Department of Chemical Engineering, School of Engineering, University of Santiago de Compostela (Spain)

The energy problem in need of a solution

Greenhouse gas emissions



Volatility of energy prices

H₂ production as an energy source



Biowaste in numbers

> Latest estimates suggest that around 931 million tons of food waste were generated in 2019

> Spain



Waste and subproducts from food industry **23 Mt**





The process











Cradle-to-gate benchmark

Wine vinasses and sludge

Sugar beet molasses

В



Conclusions

The relevancy of the feedstock



Stage 1.

Definition

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