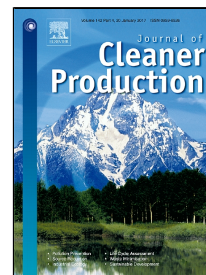


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Biodiesel production by the methylic-alkaline and ethylic-enzymatic routes:
discussion of some environmental aspects



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Highlights

- Soybean biodiesel production by methylic-alkaline catalysis is simulated in Aspen HYSYS.
- Soybean biodiesel production by ethylic-enzymatic catalysis is simulated in Aspen HYSYS.
- Environmental impacts are assessed by means of the 12 Principles of Green Chemistry
- Environmental impacts are assessed by means of sustainability metrics
- The ethylic-enzymatic catalysis is a more environmentally friendly route.

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