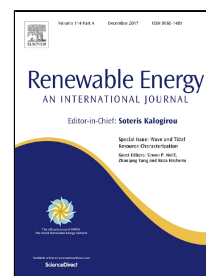


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Selection of Catalyst and Reaction Conditions for Ultrasound Assisted Biodiesel Production from Canola Oil

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Highlights

- ✓ A statistical experimental plan was applied to biodiesel synthesis from canola oil.
- ✓ Heterogeneous catalysts; CaO, calcined dolomite and CaDG were considered.
- ✓ Temperature is the most important parameter affecting the biodiesel yield.
- ✓ Ultrasound has positive effect on biodiesel yield.
- ✓ Yields were 98.7%, 95.9% and 86.3% for CaO, calcined dolomite and CaDG respectively.

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