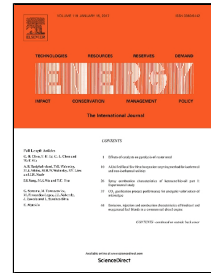


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Engine Performance, Combustion and Emission Characteristics of a Compression Ignition Engine Operating on Different Biodiesel-Alcohol Blends

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Highlights

- Investigates the effect of alcohol addition to biodiesel on CI engine characteristics.
- Ethanol and methanol addition to biodiesel increases thermal efficiency marginally.
- Ignition delay for blended fuels is increased resulting higher heat release.
- Peak pressure rise is lower for alcohol blended biodiesels.
- NO_x emission decreases, PM and smoke increase with alcohol addition to biodiesel.

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