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Home ► All Journals ► Petroleum Science and Technology ► List of Issues ► Volume 41, Issue 12
► Response surface methodology (RSM) based



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Volume 41, 2023 - Issue 12

149 | 1

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Petroleum Processing

Response surface methodology (RSM) based experimental and model analysis of diethyl ether-biodiesel-diesel blends with exhaust gas recirculation (EGR) on stationary diesel engine

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Pages 1272-1291 | Published online: 01 Jul 2022

 Cite this article  <https://doi.org/10.1080/10916466.2022.2092136>



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Abstract

In compliance with proposed targets of green energy and reduced emissions during the Glasgow summit, the study of blended fuels in internal combustion engines is of great significance. To address this issue, a detailed study of the engine performance and exhaust emissions has been conducted with ternary fuel blends of diethyl ether (DEE),