

Special Issue

Alternative Fuels for Internal Combustion (IC) Engines

Message from the Guest Editor

Internal combustion (IC) engines have high power density and are relatively inexpensive, so they are considered as mobility solutions in their current state. Nonetheless, concerns regarding pollutant emission and the depletion of conventional oil must be resolved because IC engines release not only greenhouse gases such as carbon dioxide (CO₂) and nitrogen oxides (NO_x) but also toxic carbonaceous particulate matter (PM) into the atmosphere. Hence, substantial environmental benefits could be achieved by continuing to improve emission characteristics in IC engines, especially by utilizing eco-friendly oxygenated fuels such as ethanol and biodiesel. This Special Issue invites presentations of the recent research and development on alternative fuels for IC engines. Contributions from both experimental and computational approaches in the topic area are welcomed. This topic is applied in the field of conventional automotive engines, gas turbines, and rig test under relevant ambient conditions. Both original research papers and review articles are welcome.

Guest Editor

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