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Nota di contenuto	1. Research and Innovation to Improve the Efficiency of Modern Diesel Engines -- 2. The Influence of Exhaust Gas Recirculation on Performance and Emission Characteristics of a Diesel Engine Using Waste Plastic Pyrolysis Oil Blends and Conventional Diesel -- 3. Effect of Injection Pressure on Local Temperature and Soot Emission Distribution of Flat-Wall Impinging Diesel Flame under Diesel Engine like-Condition -- -- 4. A Comparative Evaluation of Biodiesel and Used Cooking Oil as Feedstock for HDRD Application: A Review -- 5. Replacement of Diesel Fuel by DME in Compression Ignition Engines: Case for India -- 6. Molecular Contribution of Fatty Acid Esters in Biodiesel Fueled CI Engines -- 7. Feasibility of Biodiesel Production in Pakistan.
Sommario/riassunto	Diesel Engines and Biodiesel Engines Technologies explores the conceptual and methodological approaches for the understanding of both diesel engines and biodiesel technologies. The book incorporates reviews of the most significant research findings in both diesel and biodiesel engine production and utilization. It presents technological interventions in biodiesel production and offers a foresight analysis of the perspectives of biodiesel as a future global commodity. It also examines the main challenges that biodiesel will have to overcome in order to play a key role in future energy systems. Furthermore, the book discusses alternative diesel fuels from oils and fats and proposes solutions to issues associated with biodiesel feedstocks, production

issues, quality control, viscosity, stability, applications, emissions, and other environmental impacts.