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Biofuel and its potential towards greener and safer future

In the last three decades the world has been confronting an energy crisis caused by the decreased of fossil resources, and increased of environmental problems. This situation resulted in a search for an alternative fuel which is renewable and environmental friendly. Among the various alternatives fuels, bio-fuel is an emerging area of research. The transportation sector is one of the major consumers of fossil fuels and a biggest contributor

to environmental pollution, which can be reduced by replacing the mineral-based fuels with bio-origin such as vegetable oils. Vegetables oils, both edible and non-edible oils are promising source of liquid fuels due its improved engine performance and reduced exhaust emissions. It can be produced from forests, vegetable oil crops and oil bearing biomass materials. Bio-fuel is the power behind a green tomorrow and a key future asset for sustainability.

Biography

Pradip Lingfa did his master's and Ph.D degree from Indian Institute of Technology Delhi, India. He is currently serving as a Professor & Dean (Student's Affairs) at North Eastern Regional Institute of Science & Technology (Deemed to be University), under Ministry of Human Resource Development, Govt. of India, Itanagar, Arunachal Pradesh. He has published 22 in reputed Journals, 20 International Conferences, 18 National Conferences. He has organised International Conference, Short Term Course, Regional Seminar and an Industry Institute Interaction Programme. He has attended/participated in various Seminars, Workshops and Short Term Courses organised at various reputed Institutes and Universities throughout the Country.

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