

# BIOFUELS & BIOENERGY

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# BIOFUELS & BIOECONOMY

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## Scaling-up bio-diesel blending with high-speed diesel by exploring new feedstock to substitute the growing demand of fossil fuel to ensure a greener planet

**Shantanu Gupta**

Indian Oil Corporation Limited, India

Indian Oil Corporation (Indian Oil) is India's largest commercial enterprise, with a sales turnover of over Rs 5,00,000 Lakh crore (US\$ 74 billion) and profits of Rs 22,626 crore (US\$ 3.33 Billion) for the year 2017-18. Indian Oil is ranked 137<sup>th</sup> among the world's largest Corporates (and first among Indian enterprises) in the prestigious Fortune 'Global 500' list for the year 2018. As India's flagship national oil company, with a 33,000-strong work-force currently, Indian Oil has been meeting India's energy demands for over half a century. With a corporate vision to be 'The Energy of India' and to become 'A globally admired company,' Indian Oil's business interests straddle the entire hydrocarbon value-chain—from refining, pipeline transportation and marketing of petroleum products to exploration & production of crude oil & gas, marketing of natural gas and petrochemicals, besides forays into alternative energy and globalisation of downstream operations with a focus on biofuels. In line with the vision of Government of India, Indian Oil has been blending 10% ethanol in Motor Spirit and 5% biodiesel in diesel. As on date, Indian Oil has achieved overall 5% ethanol blending in MS across the country. Various initiatives are being taken to generate ethanol through 2G technology. In bio-diesel, extensive work has been undertaken to develop infrastructure at all 125 operating locations to blend 5% biodiesel in diesel within the next two years. With close coordination, used cooking oil conversion to bio-diesel are being explored which will be a major thrust to become self-reliant in energy for the country as a whole.

### Biography

Shantanu Gupta graduate engineer from Calcutta University and management graduate from Indian Institute of Management, Calcutta having over 30 years of experience in handling downstream oil business and consultancy. Having worked as Vice President (Marketing Operations) with Indian Oil Mauritius Limited, Mauritius during 2009-2012, gathered in-depth knowledge of international marketing in the petroleum business. Presently, working as General Manager (Operations) and In Charge of Biofuel implementation in the country for Indian Oil Corporation Limited overseeing activities related to Bio-fuel Implementation on All-India basis and future strategies for achieving higher blend percentage of ethanol blended petrol and bio-diesel blended diesel. Interacting with Ministry and various stakeholders of sugar industries for smooth procurement and blending of ethanol for self-reliance in energy for the country. As a member of "Working Group of Bio-Fuel" appointed by Ministry of Petroleum & Natural Gas, Government of India since 2015, attended various meeting and seminars, presented papers and also made a presentation in international conferences on various facets of Biofuels.

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