

## OILGAE REPORT



The Comprehensive Oilgae Report is a detailed report on all aspects of algae bio fuels. Its updated version is available till April 2009

Algae, a third generation biofuel feedstock serves as an alternate source of energy, having the potential to replace the entire global fossil fuel requirements like no other biological stock can. This very fact forms the basis of this report, which has been developed with inputs from biofuel industry experts, biotechnology researchers, and professionals who have been constantly interacting with the algae fuels industry for a few years.

The report is primarily divided into five main sections each providing a detailed knowledge in that particular section.

- I. **Concepts and Cultivation:** Provides literate on selection, cultivation of strains, use of photobioreactors and algal harvesting.
- II. **Energy Products from Algae:** Provides information on production process of biodiesel, ethanol, methane, hydrogen, algae meal and other hydrocarbon fuels
- III. **Processes & Challenges** This section gives inputs on growing algae in variety of environment and their relative merits
- IV. **Industry & Market Information** This section provides information on cost of production of algal biofuels, the companies involved in this venture
- V. **References** This section provides resources on algae fuel related apex bodies, organization, universities, and culture collection centres

This effort will help **facilitate tangible steps needed for an algae fuel venture** and bring out the challenges faced **in each aspect of the algae fuels value chain. It will throw some light on current** efforts being made in the direction of algal bio fuels and possible solutions to overcome these challenge. It will provide invaluable guidance to algae fuel industry and to those keen on venturing into one of the most exciting renewable energy domains.

-----For further details of the report kindly contact BIRAP office at [birap.dbt@nic.in](mailto:birap.dbt@nic.in)-----

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