

Biofuels are gaining importance worldwide as countries are seeking to cut emissions to meet the UN Kyoto Protocol, since burning the environmentally-friendly fuel is considered to be carbon dioxide neutral and does not require emissions. Biofuels are also seen as being more competitive due to a surge in global oil prices and their use could help fight global warming by producing fewer green gases and cut emissions of toxins. We provide here a list of select websites of such organizations pursuing research and development on biofuels.

— Editor

<http://www.biofuels.doe.gov/>

The United States, Department of Energy's, Office of the Biomass Program (OBP) is working in the area of biomass fuels, chemicals, materials, and power. The OBP has as its main objectives the reduction of dependence on foreign oil by developing biomass based liquid fuels and to foster the domestic biomass industry. It works in collaboration with the United States Office of Industrial Technologies (OIT) for research and development on advanced technologies and has produced biofuels, biopower, and high-value bioproducts. This Biomass Programme is a combination of the biofuels, biopower, and the biomass-related elements.

<http://www.biodiesel.at/>

The Vienna-based Austrian Biofuel Research Institute, works on liquid biofuels and biodiesel projects. It also conducts biofuel research feasibility and overseas development of fuel standards quality management, research and development, and dissemination. This

* Prepared and compiled by Bijaya Kumar Sahu, Researcher, RIS.

institute helps the government in an evaluation of the biofuels industry, training in laboratory testing procedures, and on how to convert fleets to run on biofuels. This institute supports the formulation of national biofuel standards that meet the intended customers' quality requirements to promote market place presence.

<http://www.bioenergyinternational.com/>

The Bioenergy International, Stockholm-based websites brings out publications on bioenergy international issues and also publishes research papers and distributes these to subscribers, members of Bioenergy Associations all over the world. These are also circulated to exhibitions and conferences. Also published, here are, "Bioenergi" and environmental magazines. It can also be reached through the www.novator.se the home web link of the bioenergy- and environmental issues.

<http://www.teriin.org/>

The Energy Research Institute (TERI), a New Delhi, India-based research organization works on projects and publishes information on biofuels, utilization of biomass, agriculture residues, and many industrial wastes as fuels. The Institute is involved in the development of biomass gasifiers for thermal applications in small- and medium-scale industries. It plays an enhanced role in the biofuels resource and consumption surveys pre-feasibility studies, technology assessment, preparation of investment proposals and techno-economic feasibility studies.

<http://www.ebio.org/>

The European Bioethanol Fuel Association (eBIO), an International bioethanol producing companies association based in Brussel, produces ethanol from bio-origins through fermentation, distillation and dehydration processes. Members of this Association produces biofuel technology and oil extraction through distillation process. The eBIO is biofuel policymaking body of the biofuel producing member companies.

<http://www.ethanolindia.net/>

The Government of India, biodiesel pilot project was launched to give a boost to the agriculture sector and to reduce environmental pollution. This has been approved for the supply of ethanol-doped-petrol in the country. India had launched three pilot projects; two in Maharashtra

and one in Uttar Pradesh in 2001 and these pilot projects have been supplying 5 per cent ethanol-doped-petrol. Ethanol India is also doing research and development in the establishment of ethanol up to 5 per cent with petrol and the usage of ethanol-doped-petrol in vehicles.

<http://www.praj.net/>

Praj Industries Limited, Pune, an India-based biodiesel company produces biofuel technology and oil extraction through molecular sieve dehydration plants for fuel-ethanol production, fermentation, wastewater utilization and heat-transfer systems. It produces fuel ethanol or anhydrous alcohol which is produced by dehydration of rectified spirit or extra neutral alcohol. Ethanol is used as part of the fuel, by blending with petrol, for a motor vehicle is called fuel-ethanol.

<http://www.biodieseltechnologiesindia.com/>

Biodieseltechnologies, Kolkatta, is an India-based consortium engaged in the study, improvement and research and development in *Jatropha*, and other species for the development of indigenous biodiesel. This organization is working on *Jatropha* cultivation, and oil extraction also designs process machineries for supplying custom built biodiesel reactor according to the requirement for the operators.

<http://www.pcra-biofuels.org/>

The Petroleum Conservation Research Association (PCRA), an autonomous body of the Ministry of Petroleum, Government of India has been promoting research and development in bio-fuels by sponsoring related projects to reputed R&D institutes of India. The National Informatics Centre on bio-fuels is a part of PCRA, which provides all the necessary information related to bio-fuels (biodiesel, biogas, etc.) by all manner of consumers as well as other agencies working in this field. It makes people aware of biofuels and helps them to get benefits from it.

<http://www.d1plc.com/>

D1 Oil plc, a UK-based low cost producer of biodiesel, produces global, sustainable green transport fuel. It produces high value vegetable feedstock oils and high quality biodiesel. The company also has a global platform of planting and refining operations and production of fuel. D1 Oils plc is planting *Jatropha* in India through the joint venture company,

D1 Mohan Bio Oils Limited in the north eastern part of the country and has also signed agreements for the supply of crude *Jatropha* oil up to 2015.

<http://www.mpob.gov.my/>

Malaysian Palm Oil Board (MPOB), a Kuala Lumpur, Malaysia-based research and development institution provides a highly diversified, value-added, globally competitive and sustainable oil palm industry. MPOB also produces biodiesel from palm oil and the production of palm biodiesel, which is very viable for Malaysian market.

<http://www.carotech.net>

Ccarotech Bhd. a Malaysia-based biodiesel exporting company exports crude palm oil and helps in provides development of biodiesel engine performance, emission testing. This company produces carobiodiesel, which is the brand of biodiesel obtained through molecular distillation technology for the production of this odourless and colourless biodiesel. It also produces the distilling varieties of methyl ester, carotene and tocotrienol from crude palm oil.

www.biofuelscorp.com

Biofuels Corporation, a UK-based biodiesel production company which is a leading international producer of biodiesel, glycerine and associated products, is providing for each a high quality product. The company has commenced commissioning of its 250,000 tonnes per annum biodiesel plant in Teesside, UK, with the production expected to commence begin soon.