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Web Alert

Renewable fuels

An annotated selection of World Wide Web sites relevant to the topics in *Microbial Biotechnology*

University of Minnesota Biofuels database

<http://www.bti.umn.edu/biofuelsdb/index.shtml>

This site promotes knowledge for the development of fuels from renewable resources with a focus on microbially based metabolic transformations. Chemical processes for generating fuel molecules are also included so users can compare and contrast different processes.

American Oil Chemist's Society

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

The AOC is broadly concerned with oils, fats and surfactants. With the emerging interest in biofuels, the AOC website has increasingly put up content on biodiesel and other biofuel issues.

Organization of Biodiesel Environmental Chemists

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

This site focuses on biodiesel. It is an excellent resource on the use and handling of biodiesel. Links to additional information from other sites is also provided.

Alternative fuels data centre

<http://www.eere.energy.gov/afdc/>

The alternative fuels data centre is designed to help society reduce dependence on petroleum. This includes the use of alternative fuels, many of which are microbially based biofuels.

Biofuel production in Europe

<http://www.biofuelstp.eu/fuelproduction.html>

This website provides extensive information on biofuels, biomass resources and biofuels economics. It contains summaries of biofuels research projects in Europe.

Biofuels and microbiology research

<http://www.asm.org/microbe/index.asp?bid=43708>

This web article put up by the American Society for Microbiology provides a good overview of biofuels with a particular emphasis on microbiological aspects.

National Renewable Energy Laboratory: Biofuels

http://www.nrel.gov/learning/re_biofuels.html

This site provides a tutorial on biofuels and links to biofuels research ongoing at the National Renewable Energy Laboratory.

Wikipedia: Biofuel

<http://en.wikipedia.org/wiki/Biofuel>

This page provides an excellent overview of the biofuels area. It contains references with linkages to additional information.

Biofuel bonanza

<http://pubs.acs.org/cen/coverstory/85/8526cover.html>

This web article focuses on national biofuels science and policy. It was recently published in *Chemical and Engineering News*.

Bioenergy Wiki

http://www.bioenergywiki.net/index.php/Main_Page

The Bioenergy Wiki is an interactive site where people can post and trade information. It is less of a scientific resource and more of a business and networking resource.

ABC's of biofuels

http://www1.eere.energy.gov/biomass/abcs_biofuels.html

This web tutorial is put out by the United States Department of Energy. It caters to students who are developing an interest in biofuels and seeking general information.

DOE: Bioenergy and other reports

http://genomicsgtl.energy.gov/pubs/pubs_library.shtml

This web page serves as a clearinghouse for government reports pertaining to biofuels. These can be read as html files or downloaded by users.

Oilgae: Oil from algae

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

This site contains much information on the use of algae to produce fuel compounds. Its greatest value is the large number of links provided to numerous other sites that deal with issues related to growing or processing algae for oil.

Synthesis gas fermentation

http://www1.eere.energy.gov/biomass/synthesis_gas_fermentation.html

Materials such as coal can be converted chemically to carbon monoxide, hydrogen and carbon dioxide. Some anaerobic bacteria can be interfaced with such chemical processes to produce ethanol or other fuel molecules.

DOE mission: Biofuels

<http://genomicsgtl.energy.gov/biofuels/>

This web page provides a large number of links to biofuels resources.

Bioenergy Science Center

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

The Bioenergy Science Center website highlights activities at one of the three new Department of Energy biofuels centres.

Great Lakes Bioenergy Research Center

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

The Great Lakes Bioenergy Research Center website highlights activities at one of the three new Department of Energy biofuels centres.

Joint BioEnergy Institute

<http://jbei.lbl.gov/>

The Joint BioEnergy Institute website highlights activities at one of the three new Department of Energy biofuels centres.

Lawrence P. Wackett

*McKnight Professor and Head
Microbial Biochemistry and Biotechnology
Department of Biochemistry
Molecular Biology and Biophysics
University of Minnesota
St Paul, MN 55108, USA*