

Biofuel Research Journal

Aims and Scope

Biofuel Research Journal (BRJ) is an open access online journal and completely free-of-charge publishes original articles, review articles, case studies, and short communications on the fundamentals, applications, processing, and management of biofuels technologies.

The journal's aim is to advance and disseminate knowledge in all the biofuel-related areas of biodiesel, bioethanol, biobutanol, biogas, biomass, algae, bioreactions, bioreactors, membrane-bioreactors, fermentation, biorefinery (e.g. membrane separation technology), bioprocess, applied microbiology, combustion, and bioresource technologies associated with conversion or production of biofuels. Moreover, novel and integrated biofuels processing and hybrid systems as well as energy audit for biofuels production plants are of interest. The journal also seeks to publish articles with a focus on promotion of biofuels applications in the developing world for indigenous development.

BRJ calls for papers that cover the following fields:

Biofuels: biodiesel, bioethanol, biobutanol, biogas, and etc; biofuels production, modeling and economics

Bioprocesses and bioproducts:

Bioreactions, biocatalysis, bioreactors, membrane-bioreactors, modeling and optimization, scale-up, supercritical technology, ionic liquids, and fermentations

Biomass and feedstock utilization:

Bioconversion of agro-industrial residues

Biorefinery: membrane separation technology, adsorption, solvent-extraction, etc.

Environmental protection:

Simultaneous biological waste treatment and biofuels production, clean development mechanism

Thermochemical conversion of biomass:

Combustion, pyrolysis, gasification, catalysis

Algal biofuels and energy crops including energy crops genetic engineering

BRJ also covers the following fields:

- Process scale-up and economic analysis
- Process integration and zero discharge strategies
- Resource recovery
- Water-energy balance improvements
- Energy audit for biofuels production plants
- Biofuel applications in the developing world for indigenous development

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Publication schedule

Biofuel Research Journal (ISSN 0000-0000). For 2014, volume 1 (4 issues) is scheduled for publication. Articles published in *Biofuel Research Journal* will be Open-Access articles distributed completely free-of-charge under the terms and conditions of the Creative Commons Attribution License.

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