Biofuel Research Journal (BRJ) is an open access online journal and completely free-of-charge publishes original articles, review articles, case studies, book reviews, short communications, and hypotheses 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 biofuel processing and hybrid systems as well as energy audit for biofuel production plants are of interest. The journal also seeks to publish articles with a focus on the application of artificial photosynthesis for biofuels production, carbon footprint analysis, strategies for limiting greenhouse gas (GHG) emissions, life cycle assessment (LCA) and exergy analysis of biofuel production/application pathways, compliance with the international standards (such as PAS 2050:2011 and ISO 14040:2006), technoeconomic analysis of biofuel production/application, impacts of biofuels production/consumption on climate change, futuristic pathways for biofuels production, and promotion of biofuel applications in the developing world for indigenous development.

BRJ calls for papers that cover the following fields:

Biofuels: biodiesel, bioethanol, biobutanol, biogas, etc.

Biofuels production, modeling, and economics

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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

Application of artificial photosynthesis for biofuels production

Carbon footprinting analysis and strategies for limiting greenhouse gas (GHG) emissions: Life cycle assessment (LCA) analysis of biofuel production/application pathways and Compliance with the international standards (such as PAS 2050:2011 and ISO 14040:2006).

Exergy analysis of biofuel production/application pathways

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Impacts of biofuels production and consumption on climate change

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- Process scale-up and economic analysis
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- Energy audit for biofuels production plants

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