

Special Issue

Nanobiotechnology for Biofuel Production: Renewable and Sustainable Sources

Message from the Guest Editors

This Special Issue is devoted to recent research in the use of nanomaterials for immobilizing enzymes, evolved immobilized enzymes chemistries, and evaluation of the efficiency of nano-conjugated enzymes in the processing of synthetic substrates/biomass for producing biofuels. The Special Issue will cover:

- Use of various nanomaterials (supports) for immobilizing enzymes such as cellulases, xylanases, glucosidases, lipases, lignases, etc.
- Recent developments in biomass processing (agriculture waste, grasses, food waste processing) employing novel nanomaterial supports for enzyme-immobilization for biofuel production at bench scale/pilot-scale.
- Commercial applications of nanostructured materials in bioenergy development, as well as biofuel harvesting, and associated chemistries are of interest to this Special Issue.

Guest Editors

Prof. Dr. Munish Puri

Senior Research Fellow Bioprocessing Laboratory, Centre for Chemistry and Biotechnology, Deakin University, VIC 3217, Australia

Prof. Dr. Takuya Tsuzuki

College of Engineering and Computer Science, Australian National University, Canberra, ACT 2601, Australia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

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