

Tentative Outline
Industrial Enzyme: An Emerging Area

Guest Editor(s):

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**Recent advances in strain improvement, production, purification
and applications of Industrial Enzyme**

Aims & Scope:

Submission of research contributions to the **special issue** aims to encourage and disseminate knowledge of researches on **strain improvement, production and purification of Industrial Enzyme** as well as **applications** in various field of Biotechnology, which provide a link between scientists and practitioners. Moreover, the **special issue** is also intended at assisting researchers, and societies to keep abreast of new expansions in their specialist fields and to unite in finding solutions of biocatalyst mediated process. The **special issue** also contemplates the sustain upstream end of research where knowledge will be used to develop nation centric innovations widen around user needs and forges collaboration between industry and academics as much as possible and gain value for such collaborations. The **issue** publishes original research on theories and development on bioprospecting approach in Industrial enzyme. The Transactions also welcomes manuscripts on significant attention towards various enzyme productions with novel microorganism or recombinant microorganism and conversion process along with feedstock characterization, experimental observation on the biochemical and thermo chemical conversion processes, design, implementation and evaluation of product yield, process intensification, scaled up and other techno-economical analysis. The scope of **special issue** encompasses the recent achievement in the industrial enzyme production through various optimized process using Microbial **system**. The initiative supports the feasibility assessment of fresh ideas or concepts, including various emerging and disruptive technologies, for their potential conversion into useful technology.

Keywords: Industrial enzyme, optimization, genetic engineering, bioprospecting, fermentation, purification, characterization

Subtopics:

- Fermentation
- Metabolic engineering
- Strain improvement
- metabolic flux analysis
- Process optimization
- Industrial biotechnology
- Industrial application of enzymes
- Purification of enzymes
- Immobilization
- Characterization of enzyme
- Biocatalysis
- Optimization of bioprocess
- Scaled up
- Structural studies,
- Genetic engineering,
- Molecular modeling,
- Enzymology
- Conformational Analysis
- Biotechnology
- Protein Engineering
- Protein Folding
- Sequencing
- Molecular Recognition

Schedule:

Manuscript submission deadline: 31.8.2017

Peer Review Due: 15.10.2017

Revision Due: 15.11.2017

Notification of acceptance by the Guest Editor: 01.01.2018

Final manuscripts due: **01.02.2018**