

Special Issue

Microbial Production of Industrial Enzymes

Message from the Guest Editor

Enzymes are highly efficient biocatalysts extensively researched for industrial-scale catalysis due to several distinct advantages, including their ability to operate under milder reaction conditions, their exceptional product selectivity, and their lower environmental and physiological toxicities. Today, microbial enzymes are widely used across various industries, including food, pharmaceuticals, feed, detergents, textiles, paper, and leather; however, not all industrial enzymes meet the critical requirements for industrial applications, partly due to their low activity, insufficient stability, and limited yield, which restrict their use in various industries. In recent decades, numerous strategies have been employed to overcome the challenges posed by the limitations of enzymes in the various industry.

Keywords: mining and evolution of enzymes; high-level expression of industrial enzymes; fermentation process control of enzymes; production of industrial enzymes; modification of host strains

Guest Editor

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