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Enzymes in Food Bioprocessing—Novel Food Enzymes, Applications, and Related Techniques

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Message from the Guest Editor

Enzyme-based food bioprocessing is an attractive technology that offers an efficient, safe, and eco-friendly alternative to conventional food processing. Interest in enzymes for food processing has continued to grow as new enzyme-related techniques have emerged to better suit the diverse food processing environments and enable the development of new food products. Furthermore, with advances in the rational, evolutionary and microenvironmental engineering of proteins, there has been a significant improvement in enzyme performance, with their improved stability to temperatures, pH, and organic solvents, and more controlled use in food bioprocessing. In this Special issue, research areas may include (but are not limited to) the following:

- Novel food enzymes and their application in food processing.
- Advanced tools and technologies in enzymatic food processing.
- Enzymatic catalysis and reaction kinetics of food enzymes.
- Rational, evolutionary and microenvironment engineering of food enzymes.
- Techniques and technologies for food enzyme immobilization.
- Innovative strategies for food enzyme reuse and recycling.
- Techniques and strategies for new applications of food enzymes.



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Special Issue



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Message from the Editor-in-Chief

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