



Enzyme Engineering and Biocatalysis: Principles and Applications

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Message from the Guest Editors

Dear Colleagues,

Enzymes are not only biocatalysts for the proper functioning of living organisms. They are also catalytically active proteins of great applied importance in many areas of biotechnology. Many enzymes of natural origin exhibit desirable substrate specificity but poor stability in the reaction environment. These limitations in biocatalysis can be overcome by methods of improving the properties of enzyme proteins such as enzyme immobilization or directed enzyme evolution. These advanced techniques make it possible to obtain enzymes with high activity that are stable in various environments. The results of research into the mechanism of enzyme promiscuity, which allows a radical change in substrate specificity under certain conditions, are also extremely valuable to the industry.

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Guest Editors





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Message from the Editor-in-Chief

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