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Recent Trends in Enzyme Immobilization

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Message from the Guest Editors

At present, enzymes have been widely used as biological catalysts in several fields, including foods, feedstuffs, detergents, pharmaceuticals, cosmetics, biofuels, fine chemicals, energy generation, paper manufacturing, textile, leather, environmental protection, and so on. However, the application of their free forms in industrial production may be limited by their high loadings, fragile nature, and difficult recovery and recycling. These disadvantages can be overcome by enzyme immobilization, which can promote the effective recovery and recycling of the enzymes and improve their properties, such as activity, selectivity, and long-term operational stability in industrial applications.

For this Special Issue, contributions on all aspects of enzyme immobilization are welcome, which may be related to fundamental science or practical applications and can be outlined by the keywords given below.