



Nitrilases and Nitrile Hydratases

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Message from the Guest Editors

The biotechnological impact of nitrilases and nitrile hydratases has become widely acknowledged since their discovery a few decades ago. The past 10 years or so have witnessed a tremendous increase in the number of the biochemically characterized enzymes of these types, but also in the number of sequences coding for their putative homologs. The long-lasting trend in the investigation of these enzymes is their improvement towards higher activities, selectivities, and stabilities, as well as exploring new resources of enzymes. Additionally, new biocatalytic uses are being constantly identified. All these approaches are necessary for a more intensive exploitation of the enzymes in the production of fine chemicals for the chemical, pharmaceutical, and food industries. This Special Issue will collect contributions on enhancing the biocatalytic potential of nitrilases and nitrile hydratases through, e.g., protein engineering, genome mining, metagenomic libraries screening, and new substrate and/or product identification.





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Message from the Editor-in-Chief

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