

Special Issue

Applications of Natural and Synthetic Derivatives in Pharmaceutical Industries

Message from the Guest Editors

This Special Issue of *Processes* explores the diverse applications of natural and synthetic derivatives in the pharmaceutical industry. Natural derivatives, such as bioactive compounds from plant extracts, and synthetic compounds, designed through advanced chemical processes, play essential roles in drug discovery, development, and formulation. The Special Issue emphasizes innovative methodologies for the extraction, synthesis, and optimization of these derivatives, as well as their individual or combined potential to address therapeutic and industrial challenges. Topics include advancements in natural product chemistry, synthetic compound development, sustainable practices, and case studies showcasing successful applications in pharmaceutical processes. This Special Issue aims to provide a comprehensive overview of how natural and synthetic derivatives contribute to innovation and progress in the pharmaceutical sciences.

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