



Molecular Applications of Spectroscopy in Drug Structure and Activity Analysis

Guest Editor:

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Message from the Guest Editor

Spectroscopy refers to the study of the interaction of electromagnetic radiation with the matter. It has widely contributed to applications in pharmacy due to its capability of solving important problems. Spectroscopic techniques (Raman, IR, UV/Vis, XRD, etc.) have proven to be crucial for the development and circulation of pharmaceutical formulation in the market. Examining ingredient purity, drug crystal structure, drug polymorphism, and interactions between active ingredients and excipients are some issues necessitating the integration of spectroscopy.

This Special Issue is devoted to the manufacturing procedures of drugs, i.e., preparation and analysis, before release to the market, as well as the use of spectroscopic techniques serving as a tool to solve issues during these stages.

Original research papers, short communications and reviews are welcomed. Relevant topics may include, but not limited to, the following: raw material identification and purity, solid form screening, formulation analysis, preformulation, quality control of finished products, counterfeit identification, reverse engineering, polymorphism, interaction between APIs and excipients, and API stability.





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Message from the Editor-in-Chief

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