

Indole and Its Bioisosteric Replacements in Medicinal Chemistry

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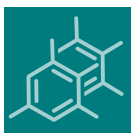
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Message from the Guest Editors

Indole and indole-fused scaffolds have great importance in chemical biology and medicinal chemistry, and ultimately in drug discovery and development. Indole moiety is found in bioactive natural compounds (e.g., alkaloids) and represents a privileged structure of numerous synthetic drug molecules, which include, just to name a few, antimicrobial, antiviral, anti-inflammatory, anticancer, hypocholesterolemic, antioxidant, and antiparkinsonian agents.

With this Special Issue, we would like to warmly invite Colleagues to share their recent achievements in structure-based drug design, synthesis, physicochemical, biophysical, and biological characterization, and structure–activity relationship studies of indole-containing compounds. Potential topics include but are not limited to: new synthetic strategies and methodologies for preparing molecular libraries of indoles and bioisosters, and indole-fused compounds as well; discovery of bioactive natural products and development of nature-inspired compounds; chemoinformatics and molecular modeling; and physicochemical profiling and structure–activity relationships.





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Message from the Editor-in-Chief

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