Special Issue

Indole and Its Bioisosteric Replacements in Medicinal Chemistry

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.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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