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Aromatic Heterocycles: A Wonderful Pool of Organic Materials

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Message from the Guest Editor

Dear Colleagues,

Aromatic compounds comprise a unique and historically well-explored class of organic molecules especially due to their p-conjugated system of electrons and resulting peculiar properties, such as planar arrangement, reactivity, conductivity, color, odor, etc. These properties are even more pronounced by embedding a heteroatom within the aromatic scaffold. The heteroatom may act either as an electron releasing or withdrawing moiety, which allows property fine-tuning along with its chelating and acid/base character. Aromatic heterocycles constitute highly tunable and functionalized organic materials that are very attractive for chemists, physicists, engineers, and materials scientists and represent a burgeoning and long-lasting area of research. They have significantly infiltrated modern organic devices across organic electronics, batteries, switches, sensors, catalysts, drugs, and many others. Hence, this Special Issue covers the synthesis, functionalization, fundamental physicochemical properties, and mostly miscellaneous applications of aromatic heterocyclic compounds.

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Message from the Editor-in-Chief

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