Special Issue

Chemical Synthesis and Biological Activity of Aromatic Amino Acid Derivatives

Message from the Guest Editors

Aromatic amino acids and their derivatives are more than just building blocks. They are crucial in modern medicinal and organic chemistry. Their unique structures enable extensive functionalization, yielding molecules with specific physicochemical properties and notable biological activities. These compounds serve as intermediates in the synthesis of heterocycles, dyes, etc., and also exhibit potent pharmacological effects, including antimicrobial, etc. They continue to influence the future of therapeutic development. This Special Issue provides a vibrant platform to present cutting-edge research on the chemical synthesis, structural modification, and biological assessment of aromatic amino acid derivatives. We welcome original research articles, reviews that focus on innovative synthetic methods, mechanistic insights, and structure–activity relationship (SAR) studies. By gathering pioneering work, this Special Issue aims to emphasize the transformative potential of aromatic amino acid derivatives in advancing medicinal chemistry and therapy. Join us in shaping the future of this exciting field—your contribution can make a meaningful impact!

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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