

Special Issue

Recognition, Detection and Theranostic Study of Peptides

Message from the Guest Editor

Peptides are found in all living organisms and perform a wide range of essential functions for maintaining homeostasis and health. At the same time, the aggregation of misfolded or intrinsically disordered peptides plays a key role in the development of several diseases. Consequently, the recognition, detection, and modulation of the peptides is of great value for the diagnosis and treatment of diseases. On the other hand, given their facile synthesis, structural modifications, and attractive properties, peptides also represent an excellent starting point for the design of molecular tools, including sensors, therapeutic agents, and drug delivery systems. This Special Issue aims to provide an up-to-date overview of the latest findings in the sensing, imaging, and regulation of peptides in diseases. Both original research and reviews on the above-mentioned topics are welcome.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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