



Peptides and Their Derivatives as Chemical Sensors

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Message from the Guest Editors

The development of new molecular sensors with peptidic receptors for a variety of analytes (among others, metal ions, enzymes, drugs, and low-molecular-weight compounds of biological relevance) has already attracted increasing interest, mainly due to their many advantages and applications. According to that, chemical indicators based on synthetic peptides have received increasing attention as a great alternative to protein-based sensors—they can be synthesized chemically, are stable, can be easily modified, and very often exhibit strong binding properties. Furthermore, peptides can functionally bind to environmentally sensitive dyes or other organic agents in biological contexts, suggesting tools for in vivo imaging and analysis.

The main goal and the scope of this Special Issue is to present recent advances in the application of that unique class of compounds in bio- and chemical target sensing in a variety of systems and with the use of various techniques. The methods for selective detection



For more information, check out [here](#).



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Message from the Editor-in-Chief

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