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## Chemistry of Nucleosides and Nucleotides and Their Analogues

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### Message from the Guest Editors

Dear Colleagues,

The importance of nucleosides and nucleotides in medicinal chemistry is widely recognized. In recent years, there has been a growing interest in the synthesis of modified compounds and analogues, particularly considering the COVID-19 pandemic. Besides their role as antimetabolites, these compounds serve as essential building blocks for constructing oligonucleotides (ODNs), which have applications as bio-probes and in the development of new materials. Precise modifications of heterocyclic bases and/or sugar-phosphate backbones can yield cutting-edge scaffolds that offer insights into unknown molecular mechanisms and enhance our understanding of the properties of ODNs. The aim of this Special Issue is to explore the key aspects related to the design and synthesis of novel nucleosides, nucleotides, and analogues, along with their potential applications in relevant fields. We welcome original research and reviews focusing on these topics.

Dr. Stefano D'Errico

Prof. Dr. Nicola Borbone

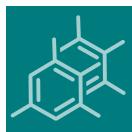
Dr. Andrea Patrizia Falanga

*Guest Editors*



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## Message from the Editor-in-Chief

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