



Nucleosides: Synthesis and Antiviral Activity

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Nucleosides are fundamental building blocks of biological systems that show a wide range of biological activities. Consequently, extensive modifications have been made to both the heterocyclic base and the sugar moiety in order to avoid the drawbacks shown by nucleosides or analogues in certain applications, mainly due to enzymatic degradations. The design and synthesis of molecules for the fight against aggressive and potentially fatal diseases, also including cancer and bacterial infections, remain important challenges.

This Special Issue aims to attract contributions on all the aspects concerning the synthesis, through various and different strategies, of classical nucleosides, carbocyclic nucleoside, and analogs. These results can be considered fully consistent if *in vitro* biological evaluations of the synthesized compounds are also reported. This will be the challenge to further exploring the range of biological effects and potential applications as antivirals of brand-new compounds.

Prof. Dr. Paolo Quadrelli
Guest Editor





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Message from the Editor-in-Chief

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