

Special Issue

Molecular Structure and Dynamics of DNA/RNA Helices

Message from the Guest Editor

Nucleic acids are the most important macromolecules for the continuity of life, among which DNA and RNA chains are well known. Knowledge concerning the molecular structure of these DNA/RNA helices, simplified microhelices, or WC pairs of nucleosides or nucleobases is of great importance. Therefore, unpublished theoretical or experimental manuscripts that report on any aspect of the physical, chemical, and biochemical aspects of nucleic acids bases, nucleosides, nucleotides, DNA and RNA helices, and the interactions involved with them are welcome for this Special Issue. In addition, computational studies that deal with structure prediction, DFT calculations, molecular dynamics, or spectroscopy are accepted. Topics in this Special Issue may also include the following:

- Effects of the different nucleosides in a strand on the helical parameters of the helix;
- Influence of the different chemotherapeutic drugs on the DNA/RNA helix structure;
- Effect of the mutations on the DNA/RNA replication and its mechanism.

Guest Editor

Dr. Mauricio Alcolea Palafox

Departamento de Química-Física, Facultad de Ciencias Químicas,
Universidad Complutense de Madrid, 28040 Madrid, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
dna@mdpi.com

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Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Darren Griffin
School of Biosciences, University of Kent, Canterbury CT2 7NJ, UK

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