

## Special Thematic Issue for Combinatorial Chemistry & High Throughput Screening

### Graphical Representations of Biological Sequences

Guest Editors: *Dorota Bielińska-Wąż, Piotr Wąż, Ashesh Nandy*

#### Aims & Scope:

To the thematic issue "Graphical Representations of Biological Sequences" may be accepted reports on original research, reviews/mini-reviews, and combined original-review papers related to the studies on similarity/dissimilarity of biological sequences (DNA, RNA, and protein). This new branch of bioinformatics (*Graphical Bioinformatics*), developed over last two decades, belongs to the most promising directions of the development of the relevant area of science. Methods referred to as *Graphical Representations of Biological Sequences* are aimed at both graphical and numerical comparisons of the sequences. The submitted articles may contain descriptions of algorithms of the creation of graphical diagrams representing the sequences and may discuss the significance of the numerical quantities characterizing the diagrams. Papers dealing with different modes of the visual and numerical comparisons of the considered objects and discussion of a variety of applications of the graphical methods in biology, in medicine, and in other branches of science are also welcomed.

**Keywords:** Graphical Bioinformatics, similarity, sequence, descriptors.

#### Subtopics:

Potential topics include, but are not limited to:

1. Algorithms aimed at graphical representations of biological sequences.
2. Numerical characterization of biological sequences.
3. Applications.
4. Perspectives of further development.

#### Schedule:

- ◇ Manuscript submission deadline: 31 December 2020
- ◇ Peer Review Due: 31 January 2021
- ◇ Revision Due: 28 February 2021
- ◇ Announcement of acceptance by the Guest Editors: 31 March 2021
- ◇ Final manuscripts due: 30 April 2021

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