Special Issue

The Fuzziness in Molecular, Supramolecular, and Systems Chemistry

Message from the Guest Editor

Fuzzy Logic is a good model for the human ability to compute with words. It is based on the theory of Fuzzy set. A Fuzzy set is different from a classical set because it breaks the Law of the Excluded Middle. In fact, an item may belong to a Fuzzy set and its complement at the same time and with the same or different degree of membership. The degree of membership of an item to a Fuzzy set can be any real number included between 0 and 1. This property allows dealing with all those statements of which truths are a matter of degree. Fuzzy logic is playing a relevant role in the field of Artificial Intelligence because it enables making decisions in complex situations, where there are many intertwined variables involved. Traditionally, Fuzzy logic is implemented through software on a computer or, even better, through analog electronic circuits.

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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