Special Issue

Advances in Chitin and Chitosan Science

Message from the Guest Editor

Among natural polysaccharides, chitin is the most abundant bio-polymer after cellulose. This linear homopolymer of N-Acetyl-D-glucosamine, and its deacetylated form chitosan, have peculiar biological and physiochemical properties including biodegradability, biocompatibility and bioactivity. Chitin and, principally, chitosan are still the subjects of a lot of research activities leading to interesting applications in agriculture, biotechnology and medical sciences.

The Special Issue “Advances in Chitin and Chitosan Science” is aimed to supply a broad platform for the diffusion of the most recent studies regarding chitin, chitosan and the related enzyme activities. The main topics of the Issue will be: chemistry and biochemistry of chitin and chitosan; production and applications of chitin, chitosan and their derivatives; bio-synthesis and bio-degradation of chitin and chitosan; chitinolytic organisms and their application. All high quality contributions, by basic or applied scientists, describing new aspects of chitin and chitosan science, are welcome together with review papers resuming the “state of the art” of a specific part of this science.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2019)

Molecules

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Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/19085

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Message from the Editor-in-Chief

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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