Special Issue

Fungal Biopolymer Discovery, Characterization and Development

Message from the Guest Editors

Currently, there is tendency to introduce natural substances to human therapies. One of the important natural resources of biologically active substances are fungi, especially the macromycetes fungi, amongst which almost 700 species possess significant pharmacological activity. The diverse biological activities of macromycetes fungi include antibacterial, antiviral, antitumor, immunosuppressive, antiallergic, and antisclerotic effects. Moreover, substances derived from these fungi may act as supplements for lowering blood pressure, antioxidants, and hepatoprotective and antiinflammatory factors. Among these compounds, polysaccharides, which belong mainly to □- and □-D-glucans, play a special role.

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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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