



Advances in Chitosan Composites

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Message from the Guest Editors

Chitosan is traditionally prepared from chitin-containing fishery processing through various procedures, including chemical, enzymatic, and microbial treatments. In a second step, chitin is deacetylated to form chitosan. Chitosan-based materials have been developed due to their particular chemical properties, which provide it with a wide range of applications in bio-medicine, cosmetics (skin, bone, tissue engineering, artificial kidneys, nerves, livers, wound healing), the chemical industry (as a catalyst or can be used as a starting molecule to obtain high added value products), the food industry, and the environmental field. In the past few decades, a very large number of basic and application works have been carried out to depict the structure and the potentiality of these bio-polymers. In fact, the number of new studies devoted to these topics is still high nowadays, indicating a constant vivid interest regarding chitin and chitosan science. The aim of this Special Issue is dedicated to recent novel and innovative contributions in the field of advances in chitosan composites, as well as their various physical and chemical applications in green industry fields.





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