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Advances in Chitosan Biomaterials

Guest Editor:

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Chitosan, one of the natural biomaterials derived from crab or shrimp shells, hosts unique free amino groups, which endow it with pH responsive ability, metal ion chelation, and active chemical modification sites. Chitosan also has a lot of advantages which are beneficial for biomaterials, such as excellent biocompatibility, biodegradation via lysozymes, hemostatic and antibacterial ability, and modulation reactive oxygen species. To overcome the barriers to basic research and translation from bench to bedside of chitosan biomaterials and promote chitosan application in biomaterials fields, this Special Issue of *Materials* on “Advances in Chitosan Biomaterials” invites review and research articles related to chitosan biomaterials. The topics of interest include chitosan and chitosan derivation, UV cross-linkable chitosan, chitosan nanofibers, chitosan hydrogel, injectable chitosan hydrogel, tough double network hydrogel, and their versatile biomedical applications, such as tissue engineering and regeneration, drug delivery, wound dressing, and hemostatic dressing.



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Special Issue



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Message from the Editor-in-Chief

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