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Advertisement, Call for papers

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Call for papers on special issue "Current trends in biopolymer-based materials"

Guest Editor(s)

Victor Manuel Perez-Puyana [1,*], Alberto Romero García [1,]

[1] Departamento de Ingeniería Química, Facultad de Química, Universidad de Sevilla, 41012, Sevilla, Spain
* Correspondence: vperez11@us.es; Scopus ID: 57131453400
alromero@us.es; Scopus ID: 57200995978

Aim & Scope: The importance of materials has been, is and will be very important for life. Recently, the technology of materials is being focused on polymers and composite materials, since with them it is possible to obtain a material with optimal properties for the required application. Specifically, the convergence of materials science with materials engineering leads to the combination of the production and characterization of materials for different specific applications. Nowadays, polymer-based materials have been proposed for different applications like foods (formation and stabilization of foods, supply dietary fibers or micro- and nanoencapsulation), packaging (structural and mechanical properties or edible films), cosmetic and pharmaceutical industry (low cost, sustainability and naturalness, even in regenerative medicine as biomaterials. Aiming to explore these concepts, this Special Issue will focus on the current trends for polymer-based materials and their possible applications, as well as the study of traditional and emerging processing techniques. In addition, different characterization techniques will be evaluated and described. Submissions can cover the following topics (but are not limited to them):– Natural-based polymers; – Polysaccharides and proteins in materials science; – Synthetic polymers in materials science; – Processing of biopolymers; – Nanomaterials.

We kindly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all welcome.

Keywords: Bio-based polymers; biodegradable polymers; physicochemical characterization; mechanical characterization; microstructural characterization; nanotechnology; biomaterials.

Subtopic

1 Natural polymers: Polysaccharides and proteins
2 Modified natural polymers: Cellulose acetate
3 Synthetic polymers: PLA
4 Composite materials (combination of natural and synthetic polymers).

Deadline for manuscript submissions: 30 May 2020

To submit your manuscript click here. To read author guidelines click here.