



Carbohydrate Polymers for Pharmaceutical Applications

Guest Editors:

Prof. Dr. Vijay Kumar Thakur

1. Biorefining and Advanced
Materials Research Centre, SRUC,
Edinburgh EH9 3JG, UK
2. Enhanced Composites and
Structures Center, School of
Aerospace, Transport and
Manufacturing, Cranfield
University, Cranfield MK43 0AL,
UK

Dr. Eneko Larrañeta Landa

School of Pharmacy, Queen's
University Belfast, Belfast BT9
7BL, UK

Deadline for manuscript
submissions:
closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

The 21st century offers vast challenges for researchers around the globe, especially regarding the effective use of carbohydrate polymers for biomedical and pharmaceutical applications. Different types of carbohydrate polymers can be engineered with desired structures and suitable physical and chemical properties that are of prime interest in a wide range of biomedical applications as diverse as drug delivery, tissue engineering, therapeutics, functional biomimetic scaffolds, regenerative dentistry diagnostics, microbial biofilms and many more. Thus, this Issue will summarize the recent development in the field of carbohydrate polymers to illustrate the new development of biomaterials.

Scope: This Issue will publish high quality short communications, research papers covering the most recent advances, as well as reviews addressing state-of-the-art topics from active researchers in biomaterials concerning not only the synthesis, preparation and characterization, but especially focusing on different aspects of pharmaceutical applications.

Dr. Vijay Kumar Thakur
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI