



Polymer and Biopolymer Systems of Complex Architecture and Composition

Guest Editor:

Prof. Dr. Igor Neelov

Institute of Bioengineering, ITMO
University, Kronverksky Pr. 49,
bldg. A, 197101 Saint Petersburg,
Russia

Deadline for manuscript
submissions:

closed (10 November 2021)

Message from the Guest Editor

Dear Colleagues,

It is well known that natural polymers of complex composition (proteins, polysaccharides, and DNA) with different primary sequences of monomers form the basis of all living organisms. Branched polymers and their mixtures with linear polymers are also widespread in nature (e.g., glycogen, starch (branched amylopectin mixed with linear amylose), and dextran). Currently, natural and synthetic polymers and polymer systems of complex architecture and composition are widely used in industry and in biomedical applications.

The purpose of this Special Issue is to obtain a broad picture of the current state of polymer science in this area based on reviews and scientific articles devoted to (but not limited to) the following systems and methods of their study:

Systems with a complex monomeric composition of polymers;
Systems with complex polymer chemical architectures;
Systems with a complex composition of polymer systems components;
Systems capable of self-ordering





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