

Special Issue

Dendrimers, Dendrigrafts, and Molecular Brushes: Synthesis, Experimental and Theoretical Studies, and Applications

Message from the Guest Editor

In the early 1980s, the first lysine dendrimers were synthesized (Denkewalter, R. G.; Kolc, J.; Lukasavage, W. J., U.S. Patent 4289872, Sept 15, 1981), and in 1982 the first article was published on the properties of these dendrimers (S.M. Aharoni, C.R. Crosby, E.K. Walsh, *Macromolecules* 1982, 15, 1093).

Our Special Issue commemorates the 40th anniversary of this first article on lysine dendrimers.

We would like to include papers of those who have made a significant contribution to the development of synthesis methods, computer simulations, and investigations into the properties and applications of lysine and peptide dendrimers. We would also like to see here articles of those who have made major contributions to the broad area of the synthesis, investigations and applications of PAMAM, PPI, carbosilane and other types of dendrimers as well as dendrigrafts, molecular brushes and other highly branched polymers for industrial and biomedical applications.

Both reviews and research papers are welcome for this Special Issue

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 June 2023)



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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.

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

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