# Special Issue

# Recent Advances in Macromolecules Applied to Pharmaceutical Chemistry

## Message from the Guest Editor

Macromolecules are used in technology for all dosage forms: as bases for ointments, suppositories, pills, etc.; as stabilizers; as prolonging components; and as taste-correcting substances. The introduction of new polymers into technology has made it possible to create new dosage forms: multi-layer long-acting tablets, granules impregnated with a solution of high-molecular-weight substances, microcapsules, ophthalmic medicinal films, and dosage forms for children. The development of polymeric drugs, drug-delivery systems, implant materials, and controlled drug release based on natural and synthetic polymers are rapidly emerging in pharmaceutical fields. The large numbers of applications of macromolecules have required the covalent attachment of polymers to a wide range of substrates, including low-molecular-weight drugs, affinity ligands, proteins, polysaccharides, oligonucleotides, and micro- and nanoparticles.

This Special Issue of Molecules welcomes all contributions from a comprehensive range of expertise in the exciting area of the application of macromolecules in pharmaceutical chemistry.

## Guest Editor

Prof. Dr. Svetlana Deckach
Chemistry Department, Murmansk State Technical University, Murmansk, Russia

## Deadline for manuscript submissions

closed (30 November 2022)

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*Molecules*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules

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# About the Journal

## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

## Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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