# **Special Issue**

# Applications of Dendrimers in Biomedicine, 2nd Edition

# Message from the Guest Editors

Biomedicine represents one of the main study areas for dendrimers, which have proven valuable both in diagnostics and therapy due to their capacity for improving solubility, absorption, bioavailability, and targeted distribution. Many studies were performed in order to demonstrate the high potential of dendrimers as drug carriers in different pathologies such as cancer, diabetes, infections, inflammation, Alzheimer's disease, cardiovascular conditions, etc. Dendrimers are also studied in regenerative medicine (e.g., wound healing, tissue and cartilage reconstruction, bone remineralization, etc.) and the cosmetics industry. Furthermore, dendrimers have applications in diagnosis, resulting in improved imaging agents. In the present Special Issue, manuscripts covering aspects from the entire field such as synthesis, characterization methods, molecular simulations, regulatory, biological or clinical studies, potential applications in biomedicine, pharmacokinetics improvement, toxicity reduction, etc., are encouraged.

# **Guest Editors**

Prof. Dr. Felicia-Gabriela Gligor

Prof. Dr. Felicia Loghin

Dr. Claudiu Morgovan

Dr. Anca Maria Juncan

Dr. Adina Frum

Dr. Carmen Maximiliana Dobrea

## Deadline for manuscript submissions

closed (31 January 2025)



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

mdpi.com/journal/pharmaceutics





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#### Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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