

## Special Issue

# Nanomaterials for Drug Delivery Systems

### Message from the Guest Editor

We are pleased to invite you to contribute a research article, short communication, or review paper to this Special Issue entitled "Nanomaterials for Drug Delivery Systems" of Journal of Functional Biomaterials (IF 5.2, ranks Q2).

The development of advanced drug delivery systems represents a rapidly evolving field at the intersection of nanotechnology, materials science, and biomedicine. Nanomaterials offer unique physicochemical properties—such as a high surface area, tunable surface chemistry, and the controllable size and shape of particles—that make them highly suitable for targeted delivery, controlled release, and stimuli-responsive delivery applications.

This Special Issue aims to highlight recent advances in the design, synthesis, functionalization, and biomedical application of nanomaterials for drug delivery. We therefore welcome contributions that focus on innovative strategies to improve therapeutic efficacy, minimize side effects, and enable site-specific drug release. In addition, we welcome the submission that address the experimental, computational, or theoretical aspects of nanomaterials in drug delivery systems.

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### Guest Editor

Dr. Ivalina Trendafilova

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### Deadline for manuscript submissions

31 January 2026



## Journal of Functional Biomaterials

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## About the Journal

### Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

School of Engineering and Materials Science, Queen Mary University of London, London, UK

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