Special Issue

Multifunctional Lipid Nanoparticles for Drug Delivery and Targeted Therapy

Message from the Guest Editor

This Special Issue, **"Multifunctional Lipid Nanoparticles for Drug Delivery and Targeted Therapy"**, will focus on platforms that go beyond traditional delivery. Its scope covers, but is not limited to, the development of lipid nanoparticles that

- Modulate or leverage biological responses;
- Achieve the delivery of multiple cargos;
- Incorporate bio-responsive materials;
- Utilize innovative targeting strategies, including intracellular targeting;
- Include imaging or theragnostic components;
- Feature new approaches to lipid nanoparticle design.

We aim to publish work on current and emerging lipid nanoparticle systems that utilize cutting-edge strategies to enhance therapeutic delivery. By featuring a variety of approaches to improving lipid nanoparticle performance across different applications, this Special Issue will offer a comprehensive perspective on developing technologies to inform the next generation of lipid nanoparticle researchers. It is our pleasure to invite you to contribute original research articles, reviews, or communications for consideration for this exciting Special Issue.

Guest Editor

Dr. Margaret Billingsley
Koch Institute for Integrative Cancer Research at MIT, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA

Deadline for manuscript submissions

31 January 2026

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/247063

Journal of Functional Biomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jfb@mdpi.com

mdpi.com/journal/jfb

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/journal/jfb

MDPI

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.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
School of Engineering and Materials Science, Queen Mary University of London, London, UK

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, Embase, Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Biomedical) / CiteScore - Q2 (Biomedical Engineering)