



an Open Access Journal by MDPI

Thin-Film Nanomaterials: Applications in Biotechnology

Guest Editors:

Dr. Anton M. Manakhov

1. Research Institute of Clinical
and Experimental Lymphology—
Branch of the ICG SB RAS, 2
Timakova St., 630060
Novosibirsk, Russia
2. Aramco Innovations LLC,
Moscow, Russia

Dr. Elizaveta Permyakova

Research Institute of Clinical and
Experimental Lymphology—
Branch of the ICG SB RAS,
Novosibirsk, Russia

Mr. Miroslav Michlíček

Masaryk University, Brno, Czech
Republic

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Thin-film nanomaterials are a quickly growing area of research and technology. Such nanomaterials include 2D materials (graphene, MoS₂), nanotubes, nanowires, and nanofibers. Often, these materials must be additionally modified (e.g., by thin layers and films) in order to induce specific properties, for example, to immobilize antibodies, DNA, proteins, etc. These thin-film-modified nanomaterials open a new area of research for biosensors, tissue engineering, drug delivery, and many others. In this Issue, interdisciplinary research in the field of nanomaterials for biosensing, enhanced cell adhesion, wound therapy, theranostics, cancer treatment, antimicrobial layers, and biomolecule detection are warmly welcome.

Dr. Anton M. Manakhov
Dr. Elizaveta Permyakova
Dr. Miroslav Michlíček
Guest Editors



mdpi.com/si/59783



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)