

## Special Issue

# Polymer-Based Nanotechnology Delivery Systems for Nucleic Acids

### Message from the Guest Editor

This Special Issue invites cutting-edge research and comprehensive reviews that advance the science, design, and application of polymer-based delivery systems for nucleic acids. Submissions may address, but are not limited to, the following:

- Polymer-based nanoparticles and nanocarriers for siRNA, miRNA, mRNA, or DNA delivery;
- Biodegradable, stimuli-responsive, or targeted polymeric systems;
- Therapeutic nucleic acids (TNAs) for cancer therapy, vaccines, cardiovascular diseases, and other indications;
- Polyplex formation, stability, and intracellular trafficking mechanisms;
- Hybrid polymer–lipid, polymer–inorganic, or polymer–biomolecule delivery systems;
- Translational studies, in vivo evaluation, and safety/toxicology profiles;
- Innovative manufacturing, scale-up challenges, and regulatory considerations.

We welcome original research articles and comprehensive reviews that explore novel delivery strategies, mechanistic insights, or clinical translation potential. This Special Issue aims to serve as a platform for researchers to share scientific advances that push the frontiers of nucleic acid therapeutics and polymer nanotechnology.

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### Guest Editor

Prof. Dr. Johnny (Changyi) Chen

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### Deadline for manuscript submissions

30 September 2026



## Pharmaceutics

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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