



## Complex Diagnostics of Multifunctional Polymer Nanostructures and Biomaterials

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### Message from the Guest Editors

The active development of biological materials for a wide range of biomedical applications in recent years requires the development of new diagnostic approaches for their study, optimization of existing methods, and the development of complex diagnostic solutions that simultaneously allow excitation and detection of signals of various natures: electrical, optical, magnetic, etc.

This Special Issue is mainly aimed at identifying the existing urgent problems and hot spots of modern biomedicine, physics and chemistry in the field of polymer and biological materials with a description of ways to overcome the revealed problems by applying a wide range of methods implemented on the basis of modern diagnostic equipment.

Special attention should be paid to investigations of multifunctional nanostructured polymers, the processes of fibrillation/destruction of polymers in various aggressive media, model solutions analogous to human biological fluids and the identification of new properties of synthesized/modified biomaterials, including the use of new materials for the functionalization of biosensor devices.





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