

Special Issue

Biomaterials for Drug Delivery in Radiotherapy

Message from the Guest Editors

With the increasing use of biomaterials in conjunction with radiation therapy for various diseases, research in this field is gaining momentum. Biomaterials have the potential to enhance imaging technologies for diagnostics and improve drug delivery by directly (e.g., metallic nanoparticles) or indirectly (e.g., immunoadjuvants or therapeutic agents) enhancing radiation therapy. Additionally, biomaterials can help protect healthy tissue from radiation damage, making them a crucial component in modern treatment strategies. These materials also play a vital role in controlled drug release, delivering therapeutic agents precisely to targeted areas. This not only improves radiotherapy effectiveness but also minimizes adverse effects on surrounding healthy tissue. We welcome original research and reviews on:

- **Polymer-based biomaterials/hydrogels**
- **Lipid-based biomaterials**
- **Organic/inorganic biomaterials, including immunoadjuvants**

These materials, whether natural or synthetic, can serve as targeted drug carriers, optimizing therapeutic outcomes with radiation therapy. We look forward to your contributions.

Guest Editors

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