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Nano-Biotechnology: Nanomaterials for Targeted Delivery

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Deadline for manuscript submissions:
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Message from the Guest Editors

We now have potential platforms for improving lives by introducing non-aggressive methods of therapy and reducing the side effects of medical agents. This has already begun through the targeted delivery of therapeutics and remote control of bioprocesses. Nanobiotechnology can develop materials with unique properties for this purpose such as a high level of penetration, high capacity for loading cargo and multi-functionality. There are some nanomaterials that are approved by the Food, Drug Administration (FDA) and European Medicines Agency (EMA), which are mostly biomimicking nanocarriers such as lipid and peptide nanoparticles but also some metal nanoparticles such as SPOIN, and nanocrystals such as paliperidone palmitate and dantrolene sodium have FDA and EMA approval. To discuss many open questions in this area, introduce the latest research and develop new ideas and directions, we will provide a Special Issue on Nanomaterials and Targeted delivery in Crystals, an open access journal.

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Message from the Editor-in-Chief

Welcome to *Crystal*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystal*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the crystal, where science merges with beauty and innovation.

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