

Special Issue

Anti-parasitic Applications of Nanoparticles

Message from the Guest Editors

Parasitic infections pose a significant public health concern, characterized by elevated morbidity and mortality rates. Addressing parasitic diseases proves to be an arduous task, as evidenced by the ongoing transmission and the substantial mortality rates. Current therapeutic protocols predominantly rely on the application of conventional chemical agents or natural compounds, most of which have become outdated. There is a pressing need for enhancements to overcome low drug bioavailability, rising drug resistance, and diminished patient adherence. Notably, several types of nanoparticles have shown promise as therapeutic and adjunctive interventions for parasitic diseases. The primary objective of this Special Issue is to disseminate research articles that showcase advancements in anti-parasitic applications of nanoparticles, with a specific focus on: Nano-based therapies for parasitic diseases; Nanotechnologies used for drug development; Nanoparticle–parasite interactions; Nanoparticle applications to reduce drug-resistance. In this Special Issue, original research articles and reviews are welcome.

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