

Special Issue

Nanoparticle-Based Drug Delivery Systems for the Treatment of Ocular Diseases

Message from the Guest Editor

The eye itself is an organ that presents unfavourable anatomical and physiological barriers to drug delivery, particularly in the posterior segment. However, nanotechnology has been shown to overcome the challenges of ocular drug delivery, improving both efficacy and precision in the treatment of ocular diseases. These systems allow for the prolonged retention and better targeting of drugs to specific therapeutic sites and are increasingly overcoming the related barriers. In this work, we explore how different drug-loaded nanotechnology systems are characterised physicochemically, and we perform ex vivo and in vivo assays to improve therapeutic outcomes in ocular diseases and their treatment efficacy.

Guest Editor

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