Special Issue

Nanobiotechnology Systems-Based Veterinary Formulations

Message from the Guest Editors

The development of new medicines and devices for animal care increases life quality and promotes specific treatments for different diseases in the veterinary field. However, despite the recent growth of the veterinary pharmaceutical industry, there is still a lack of suitable pharmaceutical forms that favor reducing the number of doses, animal stress, and side effects. The nanobiotechnological innovation employed in the development of veterinary medicines ensures the productivity and safety of animal origin food. In addition, more suitable treatments for domestic and wild animals are made possible with improvement in pharmacological parameters. Nanobiotechnological systems, such as lipid, polymeric or hybrid nanoparticles, used as matrices for drug release, are versatile approaches that aim at better bioavailability and at reducing drug toxicity. Nanotechnological innovations and their challenges will be widely discussed in this Special Issue, focusing on product development stages (production, validation, quality control, preclinical, and clinical studies).

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