Special Issue

Nanomedicine in Neurological Disorders

Message from the Guest Editors

The blood–brain barrier is an important biological barrier that limits the delivery of bioactive compounds to the brain due to restrictive permeability and active efflux of therapeutic agents. Therefore, problems in the treatment of neurological disorders can be due to an insufficient concentration of the drugs in the central nervous system. The role of nanotechnology as a valuable strategy to effectively deliver selective drugs has been highlighted in the treatment of neurological disorders. They provide an increased drug biodistribution to the brain, thus reducing the peripheral drug-associated toxicity and augmenting the drug's effectiveness. In addition, nanoparticles can also solve solubility and bioavailability issues associated with therapeutic agents.

This Special Issue invite the researchers to submit their work on the strategies to boost and improve the treatment of neurological disorders, making use of emerging nanotechnological approaches. Topics include, but are not limited to, new incorporated/encapsulated synthetic molecules, naturally derived compounds, biological therapy, new delivery approaches, lipids, polymeric and metallic nanoparticles, etc.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

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