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Porous Silicon for Drug Delivery

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Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on recent developments in the area of drug delivery using porous silicon in its many aspects, covering emerging pharmaceutically acceptable routes of synthesis for the material, as well as functionalisation strategies for its surface. Challenges in its clinical translation and pharmaceutical processability will also be discussed, together with opportunities and current commercialisation efforts. The possible topics include, but are not limited to the following:

- Biogenic sources of silicon for drug delivery applications
- Porous silicon as an imaging platform for biomedical purposes
- Biofunctionalisation of porous silicon vectors
- Multistage porous silicon formulations
- Pharmaceutical processing of porous silicon particles
- High aspect-ratio porous silicon structures for the sensing and delivery of therapeutics
- Porous silicon-based biosensors and their therapeutic applications

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Guest Editor



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Message from the Editor-in-Chief

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