

Special Issue

Biosynthesis of Nanoparticle/Exosome/ECV/Micro

Message from the Guest Editors

The primary goal of this Special Issue is to develop a platform for researchers and readers to concisely investigate all aspects of recent advancements in biosynthesis of Nanoparticle/Exosome/Extra Cellular Vesicles (ECV)/Microparticles. This issue will illuminate important perspectives of clinically relevant 'nano to micro' sized bio-derived and bio-mediated particles, especially for their therapeutic and diagnostic applications. For the successful implementation of these particles, key areas, such as controlled biogenesis or biosynthesis, surface engineering or tuning, cargo loading, isolation and purification, and payload and carrier characterizations, will also be featured. After the increased applications of nanomedicines (e.g., vaccines) during the COVID19 pandemic, development of nanosystems is emerging as a thriving field; however, many translational challenges still need to be overcome. The important questions, such as rational characterization for clinical applications, bio-toxic effect as a therapeutic cargo, and precautions during synthesis and the isolation process, increase its bioavailability and should be investigated.

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Editor-in-Chief

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