

Special Issue

Biosynthesis of Nanoparticle/Exosome/ECV/Microparticles

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.

Guest Editors

Dr. Hirak Patra

Department of Surgical Biotechnology, Division of Surgery and Interventional Sciences, University College London, London, UK

Dr. Suryani Deb

Department of Biotechnology, Maulana Abul Kalam Azad University of Technology, Kolkata, India

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bioengineering@mdpi.com

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Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

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