

Special Issue

Drug Delivery Systems for Tissue Engineering

Message from the Guest Editors

The great progress made in recent years in the field of tissue engineering highlights the impact that this area will have in the coming decade for the development of relevant tissue models (healthy or diseased), not only for the evaluation of new drugs but also as an alternative to animals to study physiological and pathophysiological process, and from a repair medicine perspective. To achieve these goals, a key aspect is the ability to create innovative biocompatible constructs that act as delivery systems to release molecules involved in biological processes in order to regulate cellular behavior. This undoubtedly requires the joint efforts of scientists from disciplines as diverse as engineers, chemists, biologists, pharmacists, and others. The aim of this Special Issue is to bring together researchers working on the gap of drug delivery systems for tissue engineering using biomaterials to give readers a comprehensive overview of the latest relevant developments, while highlighting the main difficulties faced nowadays. In this way, the challenges of the near future will be outlined serving as starting point for innovative research strategies.

Guest Editors

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