

IMEM-CNR, Sala A – 06/02/2020, ore 11.00

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3D bioprinting material processing

Abstract

Bioprinting materials processing will be discussed in the context of 3D printing of syntetic organs and apparatus. Important properties of bioprinting technologies for customised processing will firstly be discussed, together with the main types of scaffold and the related manufacturing methods.

The operating principles and physical phenomena, taking place during specific processes, will then be presented, including dissolution time, mechanical properties, surface modification and nanopartles integration for the bio-composite materials realisation.