



# **Rapid Prototyping of Biomaterials: Principles and Applications (Woodhead Publishing Series in Biomaterials)**

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# Rapid Prototyping of Biomaterials: Principles and Applications (Woodhead Publishing Series in Biomaterials)

## Rapid Prototyping of Biomaterials: Principles and Applications (Woodhead Publishing Series in Biomaterials)

*Rapid Prototyping of Biomaterials: Principles and Applications* provides a comprehensive review of established and emerging rapid prototyping technologies (such as bioprinting) for medical applications. Rapid prototyping, also known as layer manufacturing, additive manufacturing, solid freeform fabrication, or 3D printing, can be used to create complex structures and devices for medical applications from solid, powder, or liquid precursors.

Following a useful introduction, which provides an overview of the field, the book explores rapid prototyping of nanoscale biomaterials, biosensors, artificial organs, and prosthetic limbs. Further chapters consider the use of rapid prototyping technologies for the processing of viable cells, scaffolds, and tissues.

With its distinguished editor and international team of renowned contributors, *Rapid Prototyping of Biomaterials* is a useful technical resource for scientists and researchers in the biomaterials and tissue regeneration industry, as well as in academia.

- Comprehensive review of established and emerging rapid prototyping technologies (such as bioprinting) for medical applications
- Chapters explore rapid prototyping of nanoscale biomaterials, biosensors, artificial organs, and prosthetic limbs
- Examines the use of rapid prototyping technologies for the processing of viable cells, scaffolds, and tissues



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