

Lecture 1

Biomaterials

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First lecture

Introduction to Biomaterials

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Fourth Stage

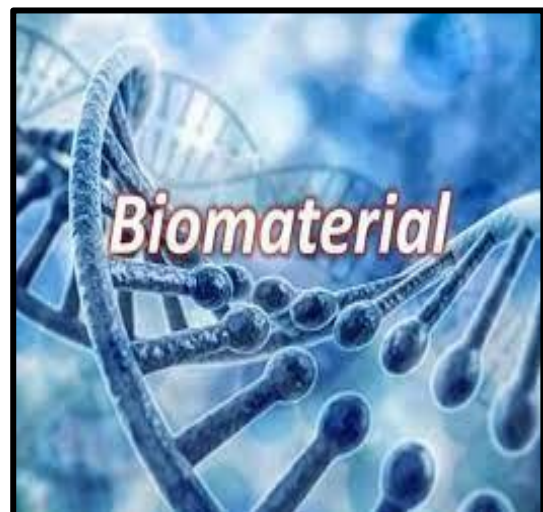
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2023 -2022

Introduction

With the evolution of human civilization, the field of biomaterials evolved involving different materials at multiple length scales from nanoto micro- to macro level with a simple focus to extend human life and Over 1000 years back, silver in different forms was used as an antimicrobial agent to prevent infection. Different types of surgical procedures can also be found during early stages of civilization. However, probably the most significant developments took place in the field of biomaterials over the years 1901–2000.



Biomaterials

Biomaterials are used to make devices to replace a part or a function of the body in safe, reliably economically, and physiologically acceptable manner. A variety of devices and materials are used in the treatment of disease or injury. Commonplace examples include suture needles, plates, teeth fillings, etc.

