

Biomaterials Market - A Global and Regional Analysis: Focus on Applications, Product Types, and Countries - Analysis and Forecast, 2021-2031

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Abstracts

Market Report Coverage - Biomaterials Market

Market Segmentation

Application: Cardiovascular, Orthopedic, Ophthalmology, Dental, Wound Healing, Plastic Surgery, Neurological/Central Nervous System, Tissue Engineering, and Others

Product Type: Metal-Based Biomaterials, Polymer-Based Biomaterials, Ceramic-Based Biomaterials, Natural-Based Biomaterials, Inorganic Glass-Based Biomaterials, Radiopaque Biomaterials, Regenerative Biomaterials, and Hybrid Biomaterial Combinations

Regional Segmentation

America: U.S., Canada, and Mexico

Europe: France, Germany, Spain, Italy, Russia, and Rest-of-Europe

Asia-Pacific: Japan, India, South Korea, and Rest-of-Asia-Pacific

Rest-of-World: South America and Middle East and Africa

Drivers

Government for Research Purposes

Orthopedic and Wound Healing Therapies

Elderly Population

Chronic Cardiovascular Diseases

Neurological Disorders

Implantable Devices

Advancements in Regenerative Medicine

Stringent Regulations

Challenges

Key Economies

3M Corporation, Collagen Solutions Plc, Corbion N.V., Covestro AG, DSM, Evonik Industries, Zimmer Biomet, Johnson & Johnson Corporation, Riton Biomaterial Co., Ltd., Berkeley Advanced Biomaterials Inc., BBS-Bioactive Bone

reader in understanding different types of product type (metal-based biomaterials, polymer-based materials, inorganic glass-based biomaterials, radiopaque biomaterials, regenerative biomaterials, etc.). The report also includes a thorough qualitative and quantitative analysis of various application areas (orthopedics, plastic surgery, neurological/central nervous system, tissue engineering, and others). The report also provides a detailed analysis for different applications and product types in the biomaterials market.

market?

growth in the global biomaterials market during the period 2021-2031?

witness high demand during the forecast period 2021-2031?

regions?

2021-2031?

global biomaterials market?

biomaterials, and which of them are expected to witness high demand growth from 2021 to 2031?

global biomaterials market?

players to sustain the competitive market?

biomaterials market based on their recent developments, product offerings, and regional presence?

companies, including their company snapshots, key products and services, and strength and weakness

used wires of linen to close the wound. In the Middle Ages, the Europeans used sutures made of the ancient Maya used shells to create artificial teeth. In 200 AD, Europeans also produced artificial plastic with the human body.

and region. The major categories product by type includes metal-based biomaterials, polymer-based biomaterials, ceramic glass-based biomaterials, radiopaque biomaterials, regenerative biomaterials, hybrid biomaterials. Applications include orthopedic, ophthalmology, dental, wound healing, plastic surgery, neurological/central nervous system. The market is segmented into North America, Europe, Asia-Pacific, China, U.K., and Rest-of-the-World.

is expected to reach \$725.88 billion by 2031, growing at a CAGR of 17.98% between 2021 and 2031. Factors driving the growth of biomaterials include increasing government funds/aids for research purposes, increasing prevalence of cardiovascular diseases, increasing awareness of regenerative medicine, and technological advancements. However, biocompatibility issues, stringent safety regulations, and limitations of biomaterial-based devices are expected to create opportunities in the biomaterials market.

Cardiovascular is the largest application during the forecast period. The growing use of biomaterials is driven by their biocompatibility as biomaterials come in contact with blood, vascular endothelial cells, fibroblasts, and other cells. Biomaterials that are used in the cardiovascular system include materials such as metals and polymers. They are classified as temporary internal, temporary external, and permanent internal devices.

Orthopedic is the largest product type during the forecast period. The applications of biomaterials such as cardiovascular, orthopedic, ophthalmology, dental. From simple wires, to complex implants (artificial joints) for hips, knees, shoulders, and ankles, metals are used in all applications, including orthopedic. Metal-based biomaterials include stainless steel, commercially pure titanium and titanium alloys,

aterials market holds a prominent share in various countries of North America, Asia-Pacific and Japan, is expected to be the largest region for the global biomaterials market during the forecast period. and the development of different application products that require biomaterials are some of the major als market. Additionally, due to the wide-scale production of biomaterials as well as technological s is expected to grow at a steady rate.

en Solutions Plc, Corbion N.V., Covestro AG, DSM, Evonik Industries, Zimmer Biomet, Wright rial Co., Ltd., Berkeley Advanced Biomaterials Inc., BBS-Bioactive Bone Substitutes Oyj, Bioretec

selective pool of players, primarily Tier-1 (holding 50-60% of the market) and mid-segment players balance 10-20% share), based on various factors such as product portfolios, annual revenues, estic and international presence in the biomaterials industry.

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