

Global Biopolymers for Medical Applications Market Size Study, by Type (Bio-Based Polyethylene, Bio-Degradable Starch Blends, Bio-PC, Bio-PET, Bio-PUR, Cellulose Derivatives, PHA, Regenerated Cellulose), by Source (Natural, Synthetic), by Application (Bioresorbable Scaffolds, Dentistry, Drug Delivery Systems, Healing Products, Surgical Implant Devices, Therapeutic Imaging, Wound Closure), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GA744BC8145CEN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GA744BC8145CEN

Abstracts

Global Biopolymers for Medical Applications Market is valued at approximately USD 2.43 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 23.24% over the forecast period 2024-2032. Biopolymers are natural or biologically synthesized polymers, essential in the creation of cutting-edge medical tools and devices, such as biodegradable stents, drug delivery systems, and sutures, admired for their compatibility with the human body, natural decomposition, and reduced toxicity. Their diverse applications span regenerative medicine, pharmaceuticals, and surgical procedures, driven by the surging need for biocompatible materials and groundbreaking technological progression. The market teems with opportunities, promising advances in production efficiency and novel biopolymers featuring smart functional properties like stimuli-responsiveness. However, the industry faces constraints including the steep costs of research and development, stringent regulatory landscapes, and competition from synthetic polymers.

The rising prevalence of chronic diseases and a growing elderly population significantly contribute to the market demand for biopolymers in medical applications. Additionally,

innovation and research are pivotal, focusing on developing tailored biopolymers for specific medical needs and optimizing performance to align with clinical applications. Exploring sustainable production methods and forging strong relationships with healthcare entities are also instrumental in advancing this exciting field. The market is further bolstered by regulatory support and increasing investments in biopolymer R&D, aimed at enhancing biocompatibility, biofunctionality, mechanical properties, degradation rates, and immunogenicity.

Key regions considered for the global Biopolymers for Medical Applications market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. The North America leads the Biopolymers for Medical Applications market owing to factors such as rise in consumption and innovation in biopolymers for medical, robust medical infrastructure, advanced healthcare facilities, and a strong focus on sustainable materials. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by diverse consumer needs and significant agricultural footprints.

Major market players included in this report are:

BASF SE

Biesterfeld AG

BioPolymer GmbH & Co. KG

Blafar Ltd.

Corbion NV

Danimer Scientific, Inc.

DuPont de Nemours, Inc.

Eastman Chemical Company

Evonik Industries AG

Geistlich Pharma AG

GELITA AG

Green Dot Bioplastics Inc.

HTL

HyMedPoly

Invibio Ltd. by Victrex PLC

The detailed segments and sub-segment of the market are explained below:

By Type:

Bio-Based Polyethylene

Bio-Degradable Starch Blends

Bio-PC

Bio-PET

Bio-PUR

Cellulose Derivatives

PHA

Regenerated Cellulose

By Source:

Natural

Synthetic

By Application:

Bioresorbable Scaffolds

Dentistry

Drug Delivery Systems

Healing Products

Surgical Implant Devices

Therapeutic Imaging

Wound Closure

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET EXECUTIVE SUMMARY

- 1.1. Global Biopolymers for Medical Applications Market Size & Forecast (2022- 2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Type
 - 1.3.2. By Source
 - 1.3.3. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET

Global Biopolymers for Medical Applications Market Size Study, by Type (Bio-Based Polyethylene, Bio-Degradable...

DYNAMICS

3.1. Market Drivers

- 3.1.1. Surging demand for biocompatible materials
- 3.1.2. Technological advancements in biopolymers
- 3.1.3. Rising prevalence of chronic diseases

3.2. Market Challenges

- 3.2.1. High costs of research and development
- 3.2.2. Stringent regulatory landscapes
- 3.2.3. Competition from synthetic polymers

3.3. Market Opportunities

- 3.3.1. Advances in production efficiency and novel biopolymers
- 3.3.2. Sustainable production methods

CHAPTER 4. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET

SIZE & FORECASTS BY TYPE 2022-2032

5.1. Segment Dashboard

5.2. Global Biopolymers for Medical Applications Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Bio-Based Polyethylene

5.2.2. Bio-Degradable Starch Blends

5.2.3. Bio-PC

5.2.4. Bio-PET

5.2.5. Bio-PUR

5.2.6. Cellulose Derivatives

5.2.7. PHA

5.2.8. Regenerated Cellulose

CHAPTER 6. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET SIZE & FORECASTS BY SOURCE 2022-2032

6.1. Segment Dashboard

6.2. Global Biopolymers for Medical Applications Market: Source Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Natural

6.2.2. Synthetic

CHAPTER 7. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

7.1. Segment Dashboard

7.2. Global Biopolymers for Medical Applications Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Bioresorbable Scaffolds

7.2.2. Dentistry

7.2.3. Drug Delivery Systems

7.2.4. Healing Products

7.2.5. Surgical Implant Devices

7.2.6. Therapeutic Imaging

7.2.7. Wound Closure

CHAPTER 8. GLOBAL BIOPOLYMERS FOR MEDICAL APPLICATIONS MARKET SIZE & FORECASTS BY REGION 2022-2032

- 8.1. North America Biopolymers for Medical Applications Market
 - 8.1.1. U.S. Biopolymers for Medical Applications Market
 - 8.1.1.1. Type breakdown size & forecasts, 2022-2032
 - 8.1.1.2. Source breakdown size & forecasts, 2022-2032
 - 8.1.1.3. Application breakdown size & forecasts, 2022-2032
 - 8.1.2. Canada Biopolymers for Medical Applications Market
- 8.2. Europe Biopolymers for Medical Applications Market
 - 8.2.1. U.K. Biopolymers for Medical Applications Market
 - 8.2.2. Germany Biopolymers for Medical Applications Market
 - 8.2.3. France Biopolymers for Medical Applications Market
 - 8.2.4. Spain Biopolymers for Medical Applications Market
 - 8.2.5. Italy Biopolymers for Medical Applications Market
 - 8.2.6. Rest of Europe Biopolymers for Medical Applications Market
- 8.3. Asia-Pacific Biopolymers for Medical Applications Market
 - 8.3.1. China Biopolymers for Medical Applications Market
 - 8.3.2. India Biopolymers for Medical Applications Market
 - 8.3.3. Japan Biopolymers for Medical Applications Market
 - 8.3.4. Australia Biopolymers for Medical Applications Market
 - 8.3.5. South Korea Biopolymers for Medical Applications Market
 - 8.3.6. Rest of Asia Pacific Biopolymers for Medical Applications Market
- 8.4. Latin America Biopolymers for Medical Applications Market
 - 8.4.1. Brazil Biopolymers for Medical Applications Market
 - 8.4.2. Mexico Biopolymers for Medical Applications Market
 - 8.4.3. Rest of Latin America Biopolymers for Medical Applications Market
- 8.5. Middle East & Africa Biopolymers for Medical Applications Market
 - 8.5.1. Saudi Arabia Biopolymers for Medical Applications Market
 - 8.5.2. South Africa Biopolymers for Medical Applications Market
 - 8.5.3. Rest of Middle East & Africa Biopolymers for Medical Applications Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. BASF SE

- 9.3.1.1. Key Information
- 9.3.1.2. Overview
- 9.3.1.3. Financial (Subject to Data Availability)
- 9.3.1.4. Product Summary
- 9.3.1.5. Market Strategies
- 9.3.2. Biesterfeld AG
- 9.3.3. BioPolymer GmbH & Co. KG
- 9.3.4. Blafar Ltd.
- 9.3.5. Corbion NV
- 9.3.6. Danimer Scientific, Inc.
- 9.3.7. DuPont de Nemours, Inc.
- 9.3.8. Eastman Chemical Company
- 9.3.9. Evonik Industries AG
- 9.3.10. Geistlich Pharma AG
- 9.3.11. GELITA AG
- 9.3.12. Green Dot Bioplastics Inc.
- 9.3.13. HTL
- 9.3.14. HyMedPoly
- 9.3.15. Invibio Ltd. by Victrex PLC

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. Global Biopolymers for Medical Applications market, report scope
- TABLE 2. Global Biopolymers for Medical Applications market estimates & forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Biopolymers for Medical Applications market estimates & forecasts by Type 2022-2032 (USD Billion)
- TABLE 4. Global Biopolymers for Medical Applications market estimates & forecasts by Source 2022-2032 (USD Billion)
- TABLE 5. Global Biopolymers for Medical Applications market estimates & forecasts by Application 2022-2032 (USD Billion)
- TABLE 6. Global Biopolymers for Medical Applications market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 7. Global Biopolymers for Medical Applications market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. U.S. Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. U.S. Biopolymers for Medical Applications market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 10. Canada Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Canada Biopolymers for Medical Applications market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 12. U.K. Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Germany Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. France Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. Spain Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 16. Italy Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 17. Rest of Europe Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 18. China Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. India Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 20. Japan Biopolymers for Medical Applications market estimates & forecasts, 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

FIG 1. Global Biopolymers for Medical Applications market, research methodology

FIG 2. Global Biopolymers for Medical Applications market, market estimation techniques

FIG 3. Global market size estimates & forecast methods.

FIG 4. Global Biopolymers for Medical Applications market, key trends 2023

FIG 5. Global Biopolymers for Medical Applications market, growth prospects 2022-2032

FIG 6. Global Biopolymers for Medical Applications market, porters 5 force model

FIG 7. Global Biopolymers for Medical Applications market, PESTEL analysis

FIG 8. Global Biopolymers for Medical Applications market, value chain analysis

FIG 9. Global Biopolymers for Medical Applications market by segment, 2022 & 2032 (USD Billion)

FIG 10. Global Biopolymers for Medical Applications market by segment, 2022 & 2032 (USD Billion)

FIG 11. Global Biopolymers for Medical Applications market by segment, 2022 & 2032 (USD Billion)

FIG 12. Global Biopolymers for Medical Applications market by segment, 2022 & 2032 (USD Billion)

FIG 13. Global Biopolymers for Medical Applications market by segment, 2022 & 2032 (USD Billion)

FIG 14. Global Biopolymers for Medical Applications market, regional snapshot 2022 & 2032

FIG 15. North America Biopolymers for Medical Applications market 2022 & 2032 (USD Billion)

FIG 16. Europe Biopolymers for Medical Applications market 2022 & 2032 (USD Billion)

FIG 17. Asia pacific Biopolymers for Medical Applications market 2022 & 2032 (USD Billion)

FIG 18. Latin America Biopolymers for Medical Applications market 2022 & 2032 (USD Billion)

FIG 19. Middle East & Africa Biopolymers for Medical Applications market 2022 & 2032 (USD Billion)

FIG 20. Global Biopolymers for Medical Applications market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be

updated in the final deliverable.

I would like to order

Product name: Global Biopolymers for Medical Applications Market Size Study, by Type (Bio-Based Polyethylene, Bio-Degradable Starch Blends, Bio-PC, Bio-PET, Bio-PUR, Cellulose Derivatives, PHA, Regenerated Cellulose), by Source (Natural, Synthetic), by Application (Bioresorbable Scaffolds, Dentistry, Drug Delivery Systems, Healing Products, Surgical Implant Devices, Therapeutic Imaging, Wound Closure), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/GA744BC8145CEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA744BC8145CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970