

# **Global Biological Treatment Technologies Market Size study & Forecast, by Treatment (Composting, Vermicomposting, Black Soldier fly treatment, Fermentation), by Application (Residential, Commercial, Industrial), and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Biological Treatment Technologies Market is valued approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Technologies used for wastewater treatment include biological treatment methods. It takes into consideration biodegradation bleaching, which is assisted by various bacteria, yeasts, microbes, fungi, and algae. These elements are necessary for the survival and reproduction of microorganisms. Pollutants are converted into nutrients. Both the volume of industrial wastewater discharges and the variety of pollutants found in effluent streams have increased recently. As a result, numerous experiments and studies on wastewater treatment techniques are being conducted globally. The market is driven by significant factors such as rising concern about municipal solid waste and increasing demand for water.

Municipal waste refers to waste generated by households, commercial establishments, and institutions. It includes food waste, paper, plastics, metals, and other materials. According to the World Bank, Municipal solid waste production currently totals 2.01 billion tonnes yearly; by 2050, it is anticipated to reach 3.40 billion tonnes. Also, in the European Union, municipal waste generation amounted to 220.1 kg per capita in 2019, with the highest per capita generation rates in Denmark, Cyprus, Germany, and Luxembourg. Moreover, raise awareness of the importance of consuming clean and increase in government launching campaigns enhance market opportunities in the

coming years. However, high cost of wastewater treatment stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Biological Treatment Technologies Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is leading the market share due to factors such as the presence of many industries that generate huge volumes of industrial wastewater. However, Asia Pacific is expected to be the fastest growing region due to growing industrialization and urbanization which further contributes to higher generation of wastewater.

Major market player included in this report are:

BioCo Tech AS

BIFFA Plc.

Composting Solutions Ltd.

Alfa-Therm Limited

Supreme International Limited

Closed Loop Environmental Solution Pty Ltd

Evoqua Water Technology

Pentair PLC

Alfa Laval

Scarab International

Global Biological Treatment Technologies Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Treatment, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in

recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

**By Treatment:**

- Composting
- Vermicomposting
- Black Soldier fly treatment
- Fermentation

**By Application:**

- Residential
- Commercial
- Industrial

**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  
Rest of Middle East & Africa

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