

Biological Wastewater Treatment Market Explosion: Top Regions, Segments & Revenue Forecasts Explained

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EINPresswire.com/ -- The rise in industrialization, surging water demand, depleting freshwater resources, and escalating water scarcity are driving the growth of the global [biological wastewater treatment market](https://www.alliedmarketresearch.com/biological-wastewater-treatment-market).



Allied Market Research published a report titled, “Biological Wastewater Treatment Market by Process (Aerobic, Anaerobic, Anoxic), by Type (Municipal Waste, Industrial Waste): Global Opportunity Analysis and Industry Forecast, 2021–2031.” According to the report, the global biological wastewater treatment market generated \$9.1 billion in 2021 and is projected to reach \$15.1 billion by 2031, growing at a CAGR of 5.2% from 2022 to 2031.

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Key Market Drivers

- Growth factors: Increasing industrialization, higher demand for clean water, and rising water shortages.
- Challenges: High costs of wastewater treatment including sludge management and operational expenses.
- Opportunities: Government initiatives and NGO campaigns promoting safe water consumption are creating new growth avenues for the industry.

Segment Insights:-

By Process:

- Aerobic treatment accounted for nearly three-fifths of the market in 2021 and is expected to maintain its dominance, registering the highest CAGR of 5.5% during the forecast period. This growth is attributed to faster processing and cleaner output compared to other methods.

By Type:

- Industrial waste treatment generated the largest revenue share in 2021, driven by the massive volume of wastewater from industries worldwide.
- Municipal waste treatment is forecast to grow at the highest CAGR of 5.6% through 2031, supported by increasing domestic wastewater discharge, which is largely biodegradable and suitable for microbial treatment.

Regional Insights:

- North America led the market in 2021, accounting for more than one-third of global revenue, supported by strict regulatory frameworks and large-scale industrial activity.
- Asia-Pacific is projected to record the fastest CAGR of 6.1% during the forecast period, fueled by rapid industrialization and urbanization leading to higher wastewater generation.

Key Players:

- Veolia
- Suez Water Technologies & Solutions
- Aquatech International
- Evoqua Water Technologies LLC
- Ecolab Inc.
- Pentair Plc.
- Xylem Inc.
- Samco Technologies, Inc.
- Dryden Aqua Ltd.
- DAS Environmental Expert GmbH

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