

# Synthetic Biology Market to Reach USD 87.00 Billion by 2030 at a CAGR of 26.7% By Emergen Research

*Rising investments towards synthetic biology start-ups developing tools and services is a major factor driving synthetic biology market revenue growth*

VANCOUVER, BC, CANADA, July 5, 2023

[/EINPresswire.com/](https://www.einpresswire.com/) -- The global [synthetic biology market](#) size reached USD 10.35 Billion in 2021 and is expected to register a revenue CAGR of 26.7% during the forecast period, according to latest analysis by Emergen Research. Rising research and development activities in this field of

synthetic biology, growing application of synthetic biology including living biotherapeutics, multiplexed diagnostics, and third-generation biorefineries as well rising investments towards synthetic biology start-ups developing tools and services are some of the key factors driving the revenue growth of the synthetic biology market. Synthetic biology has the potential to accelerate

“

Market Size – USD 10.35 Billion in 2021, Market Growth – at a CAGR of 26.7%, Market Trends – Rising research and development activities in this field of synthetic biology”

*Emergen Research*



the biotechnology sector in the next years, much like recombinant DNA technology has been the driving force behind the establishment of a thriving biotechnology industry in recent years. As a result, companies are adopting this technology to create high-performance and eco-friendly products, which is driving market revenue growth. The development of sophisticated genome editing techniques like CRISPR/Cas9, as well as advancements in informatics, computational tools, and infrastructure to facilitate and scale analysis and design, have all helped to significantly lower the price of DNA synthesis and sequencing.

The research report provides the reader with an in-depth interpretation of the synthetic biology

market dynamics, including the crucial drivers, opportunities, threats, and challenges. The report also describes the key business strategies, demand and supply ratios, leading regions, and the renowned market players, in a nutshell, offering a futuristic outlook of the overall synthetic biology industry. The market intelligence report is a prototype of the 360° overview of the global synthetic biology industry, shedding light on the estimated market value, share, growth trends, gross revenue, competitive overview, prominent manufacturers and buyers, available product types, and end-use applications. The latest research report is dubbed as the first document encompassing the latest information about the synthetic biology market that has been gravely affected by the COVID-19 pandemic. The global health crisis poses significant threats to the future growth of the synthetic biology industry.

Request a Sample Report with Table of Contents and Figures to click Here:

@<https://www.emergenresearch.com/request-sample/1556>

Key Market Competitors Profiled in the Report:

Amyris, Inc., Ginkgo Bioworks, Novozymes AG, Synbio Technologies, Evonetix Ltd., Calyxt, Inc., Codex DNA, Inc., GenScript Corporation., Twist Biosciences, and Eurofins Scientific, Inc

Some Key Highlights From the Report

The pharmaceutical & biotechnology companies segment accounted for the largest revenue share in 2021. Synthetic biology applications and commercialization of such items have experienced significant technological advancements, and by 2030, it is expected that they will likely be incorporated into most consumer goods and have a broad range of uses in daily life. Therefore, the growth of this market is being driven by big pharmaceutical and biotechnology businesses investing in and developing start-ups specializing in the field of synthetic biology and its products. Synthetic biology is being used by a large number of businesses and product manufacturers, ranging from small start-ups to major pharmaceutical corporations, to generate novel, innovative products, and production procedures across several industries and sectors. These are the major factors driving the growth of the segment.

The bioprocess technology segment is expected to grow at a steady revenue CAGR during the forecast period. Synthetic biology uses a fermentative recombinant microbial technique to produce fine chemicals, and it tries to build functional systems and organisms with innovative and beneficial activities that aid in designing approaches to biocatalytic processes. Although the use of bio-based synthetic routes is growing, major improvements are taking place to increase their cost-effectiveness and make them competitive with native biological or synthetic chemical routes in the market. As a result, several biosynthetic pathways have been commercialized for use in industry, mostly because of product yields and feedstocks. Bioethanol made from *S. cerevisiae* is the most widely produced commercial bioproduct, with 29,000 million gallons produced globally in 2019.

Europe accounted for a significant revenue share in 2021. This is attributed to increasing activities by key market players, as well as rising Research and Development (R&D) activities, increased funding, and partnerships between major companies and government in the field of synthetic biology, which has resulted in the continued growth of this industry, which is driving revenue growth of the market in this region. Academic competitions like iGEM—the International Genetically Engineered Machine competition—have additionally aided in bringing new researchers into the field of synthetic biology and raising its profile. These factors dramatically improved the growth of the market in this region.

On 12 August 2021, Antheia, a synthetic biology business that enables the development of future plant-inspired drugs, and Ginkgo Bioworks, which is constructing the top horizontal platform for cell programming, today announced a collaboration to quicken the discovery and manufacturing of critical drugs. Ginkgo assists clients from a variety of industries looking to create new and improved products. It recently announced a business merger with Soaring Eagle Acquisition Corp. Antheia intends to increase the number of essential Active Pharmaceutical Ingredients (APIs) and important starting materials in its pipeline by utilizing Ginkgo's high throughput enzyme design and screening capabilities.

For More Details On this Report Click Here @<https://www.emergenresearch.com/industry-report/synthetic-biology-market>

This market is segmented based on Types, Applications, and Regions. The growth of each segment provides accurate forecasts related to production and sales by Types and Applications, in terms of volume and value for the period between 2020 and 2028. This analysis can help readers looking to expand their business by targeting emerging and niche markets. Market share data is given on both global and regional levels. Regions covered in the report are North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. Research analysts assess the market positions of the leading competitors and provide competitive analysis for each company. For this study, this report segments the global Synthetic Biology market on the basis of product, application, and region:

Emergen Research has segmented the global synthetic biology market on the basis of product, Technology, end-use, and region:

Product Type Outlook (Revenue, USD Billion; 2019-2030)

Synthetic DNA and Oligonucleotides

Enzymes

Synthetic Cells

Chassis Organisms

Xeno-nucleic acids

Others

Technology Outlook (Revenue, USD Billion; 2019-2030)

Gene Synthesis

Site-directed Mutagenesis

Cloning

Bioinformatics

Nucleotide Sequencing

Microfluidics

Others

Application Outlook (Revenue, USD Billion; 2019-2030)

Medical & Healthcare

Tissue Regeneration

Environment & Agriculture

Bioprocess Technology

Others

Regional Analysis of the Synthetic Biology Market:

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

To Customized Report Market: @<https://www.emergenresearch.com/request-for-customization/1556>

Key Objectives of the Report:

Analysis and estimation of the Synthetic Biology market size and share for the projected period of 2022-2030

Extensive analysis of the key players of the market by SWOT analysis and Porter's Five Forces analysis to impart a clear understanding of the competitive landscape

Study of current and emerging trends, restraints, drivers, opportunities, challenges, growth prospects, and risks of the global Synthetic Biology market

Analysis of the growth prospects for the stakeholders and investors through the study of the promising segments

Strategic recommendations to the established players and new entrants to capitalize on the emerging growth opportunities

Click Here To Buy Now @<https://www.emergenresearch.com/select-license/1556>

Thank you for reading the report. The report can be customized as per the requirements of the clients. For further information or query about customization, please reach out to us, and we will offer you the report best suited for your needs.

View Additional Related Reports:

Text-To-Speech Market

<https://www.emergenresearch.com/industry-report/text-to-speech-market>

Electric Vehicle Fluids And Lubricants Market

<https://www.emergenresearch.com/industry-report/electric-vehicle-fluids-and-lubricants-market>

High-Performance Computing Market

<https://www.emergenresearch.com/industry-report/high-performance-computing-market>

Power Monitoring Market

<https://www.emergenresearch.com/industry-report/power-monitoring-market>

Digital Workplace Market

<https://www.emergenresearch.com/industry-report/digital-workplace-market>

Near Infrared Spectroscopy Market

<https://www.emergenresearch.com/industry-report/near-infrared-spectroscopy-market>

Waste Management Market

<https://www.emergenresearch.com/industry-report/waste-management-market>

## Industrial Wastewater Treatment Service Market

<https://www.emergenresearch.com/industry-report/industrial-wastewater-treatment-service-market>

## Smart Home Market

<https://www.emergenresearch.com/industry-report/smart-home-market>

## Portable Printer Market

<https://www.emergenresearch.com/industry-report/portable-printer-market>

## About Emergen Research

Emergen Research is a market research and consulting company that provides syndicated research reports, customized research reports, and consulting services. Our solutions purely focus on your purpose to locate, target, and analyze consumer behavior shifts across demographics, across industries, and help clients make smarter business decisions. We offer market intelligence studies ensuring relevant and fact-based research across multiple industries, including Healthcare, Touch Points, Chemicals, Types, and Energy. We consistently update our research offerings to ensure our clients are aware of the latest trends existent in the market. Emergen Research has a strong base of experienced analysts from varied areas of expertise. Our industry experience and ability to develop a concrete solution to any research problems provides our clients with the ability to secure an edge over their respective competitors.

Eric Lee

Emergen Research

+91 90210 91709

sales@emergenresearch.com

Visit us on social media:

[Facebook](#)

[Twitter](#)  
[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/643104390>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2023 Newsmatics Inc. All Right Reserved.