+357 96 030922
info@marketpublishers.com

Mycelium-Based Materials Market Forecasts to 2032 – Global Analysis By Nature (Raw Mycelium, and Processed Mycelium), Form (Pre-Formed/Molded Products, Sheets/Textiles, Composites, Foams, and Granules/Powder), Application, and By Geography

https://marketpublishers.com/r/M4242BFB80D4EN.html
Date: December 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: M4242BFB80D4EN

Abstracts

According to Stratistics MRC, the Global Mycelium-Based Materials Market is accounted for $3.5 billion in 2025 and is expected to reach $6.1 billion by 2032, growing at a CAGR of 8.0% during the forecast period. The mycelium-based materials market encompasses products derived from the root-like network of fungi cultivated on agricultural or organic waste. Key benefits of these materials are their renewable and biodegradable properties, reduced carbon footprint, utilization of low-value waste streams, lightweight and customizable characteristics, and their alignment with circular economy principles and brand sustainability goals across various applications, including packaging, fashion, furniture, and construction.

Market Dynamics:

Driver:

Strong demand for sustainable, biodegradable alternatives to plastics

The primary market driver is a significant shift in consumer and regulatory sentiment against conventional plastics. Brands across packaging, fashion, and construction are actively seeking circular, low-carbon footprint materials to meet sustainability goals and consumer expectations. Mycelium-based composites directly address this demand by offering high-performance, home-compostable alternatives. This alignment with global sustainability trends is creating substantial and consistent demand from multiple

+357 96 030922
info@marketpublishers.com

industries, ensuring robust market growth.

Restraint:

Limited scalability and high production costs

Scaling mycelium growth from lab or artisanal settings to industrial volumes necessitates precise environmental control and extended cultivation times, which increases capital and operational expenditures. Additionally, downstream processing to achieve consistent density and performance adds further costs. These economic and technical challenges currently limit the material's competitiveness against established, mass-produced synthetic alternatives, hindering its penetration into price-sensitive markets.

Opportunity:

Expansion into high-value markets like leather alternatives

The unique texture, natural aesthetics, and performance properties of mycelium sheets strongly resonate with ethical fashion brands and consumers. This high-value application not only commands better margins to offset production costs but also serves as a powerful demonstration of the material's potential, setting the stage for further applications in interior design and automotive interiors.

Threat:

Competition from other bio-based materials

The market faces intense competition from well-established and emerging bio-based alternatives such as cork, pineapple leather (Pi?atex), and algae-based polymers. Many of these competitors have achieved greater commercial scale and consumer recognition earlier. Furthermore, ongoing advancements in recycled plastics and synthetic biology present a dynamic threat. Mycelium producers must, therefore, communicate their unique value proposition in terms of performance, end-of-life benefits, and material properties to capture and retain market share.

Covid-19 Impact:

The pandemic initially disrupted supply chains and R&D activities, slowing pilot projects

+357 96 030922
info@marketpublishers.com

and commercial deployments. However, it also served as a catalyst, intensifying global focus on supply chain resilience and sustainable sourcing. The crisis highlighted the environmental and health impacts of synthetic materials, accelerating corporate commitments to eco-friendly alternatives. Consequently, while causing short-term delays, COVID-19 ultimately amplified the long-term demand drivers for mycelium materials as industries seek to rebuild with a stronger emphasis on sustainability.

The processed mycelium segment is expected to be the largest during the forecast period

The processed mycelium segment is expected to account for the largest market share during the forecast period due to its role as the essential intermediary product for numerous end-use applications. Processed mycelium, which includes treated and finished forms like blocks, pellets, and powders, provides the foundational material for manufacturers in the packaging, construction, and automotive sectors. Its versatility and readiness for further shaping and finishing make it the central, high-volume component of the supply chain. Furthermore, established production pathways for processed forms contribute to its leading market share.

The sheets/textiles segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the sheets/textiles segment is predicted to witness the highest growth rate, propelled by the explosive demand in the fashion and interior design industries for sustainable leather and textile alternatives. Technological advancements are improving the durability, drape, and finish of mycelium-based sheets, making them increasingly viable for high-end apparel, footwear, and furniture. Additionally, strong consumer interest in ethical products and major brand collaborations in this space are driving investment and innovation, leading to projected exceptional growth rates.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share. Europe's leadership is firmly rooted in its stringent regulatory framework promoting circular economy principles, such as the EU Green Deal and single-use plastic bans. This creates a powerful regulatory push for sustainable materials. Moreover, the region boasts a concentrated base of conscious consumers, pioneering brands in fashion and furniture, and significant R&D funding for bio-based materials, creating an ideal ecosystem for the commercial adoption of mycelium-based products.

+357 96 030922
info@marketpublishers.com

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by aggressive innovation and scaling efforts from start-ups and corporate partnerships, particularly in the United States and Canada. The robust venture capital landscape in the region facilitates swift commercialization. Furthermore, significant market pull is generated by major North American brands in electronics, packaging, and apparel seeking sustainable material sourcing to meet their public environmental commitments, fostering a fast-paced expansion of the market.

Key players in the market

Some of the key players in Global Mycelium-Based Materials Market include Ecovative Design LLC, MycoWorks Inc., Mogu S.r.l., Mycelium Materials Europe B.V., Bolt Threads Inc., Paradise Packaging Co., Biohm Limited, Mycotech Lab, Loop Biotech B.V., Myconom Bio Materials, MIMBIOSIS, Mykor, MycoFoundry, COMU Labs Inc., MyForest Foods, and Meati Foods.

Key Developments:

In November 2024, Mogu S.r.l., under SQIM, raised €11 million in Series A funding to scale mycelium technologies via a new demo plant for SQIM™ and EPHEA™ materials targeting fashion and automotive.

In July 2024, Mykor secured ?960K in seed funding in July 2024 to implement technology 2.0, enhance scalability, and achieve CE marking for mycelium biobased insulation.

In September 2023, MycoWorks opened the world's first commercial-scale Fine Mycelium™ plant spanning 136,000 square feet to produce Reishi™ for luxury sectors like fashion and automotive.

Natures Covered:

- Raw Mycelium
- Processed Mycelium

+357 96 030922
info@marketpublishers.com

Forms Covered:

- Pre-Formed/Molded Products
- Sheets/Textiles
- Composites
- Foams
- Granules/Powder

Applications Covered:

- Packaging Industry
- Construction and Building Materials
- Fashion and Textiles
- Automotive Components
- Consumer Goods & Furniture
- Food & Beverage (Alternative Proteins)
- Biotech & Specialty Products

Regions Covered:

- North America
  - US
  - Canada
  - Mexico

+357 96 030922
info@marketpublishers.com

- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile

+357 96 030922
info@marketpublishers.com

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

+357 96 030922
info@marketpublishers.com

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9 KEY DEVELOPMENTS

+357 96 030922
info@marketpublishers.com

10 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Mycelium-Based Materials Market Forecasts to 2032 – Global Analysis By Nature (Raw Mycelium, and Processed Mycelium), Form (Pre-Formed/Molded Products, Sheets/Textiles, Composites, Foams, and Granules/Powder), Application, and By Geography

Product link: https://marketpublishers.com/r/M4242BFB80D4EN.html

Price: US$ 4,150.00 (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/M4242BFB80D4EN.html