

The Global Market for Next-Gen Natural Fibers 2023-2033

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Abstracts

Synthetic fibers are relatively expensive and require many harmful chemicals during production, which impact humans and the environment. Conversely, bio-based materials such as natural fibers have lower production costs and offer similar or better mechanical properties compared to traditional materials.

Next-gen natural fibers offer an environmentally friendly alternative to fossil based plastic, as they originate from renewable sources, and support industrial composting at the end of life. Demand for sustainability in, for example, the fashion industry is at an all-time high, and many brands are seeking to deliver more environmentally-friendly fibers and fabrics. Fibers derived from bio-based sources such as plant-based (ligno) cellulosics and animal-based protein are termed natural fibers (NF). This includes natural cellulosic fibers such as cotton, jute, sisal, coir, flax, hemp, abaca, ramie, etc.) and protein-based fibers such as wool and silk. Man-made cellulose fibers (e.g., viscose rayon, cellulose acetate and nanocellulose) that are produced with chemical procedures from pulped wood or other sources (cotton, bamboo, biomass) are also covered in this report under the natural fibers definition.

The market for next-gen natural fibers has grown significantly over the last two years, with investments of nearly \$1 billion in 2021. Bolt Threads raised a \$253 million USD Series E at a \$1.15 billion USD valuation, Ecovative raised a \$60 million USD Series D, and Natural Fiber Welding received backing from BMWi Ventures and Allbirds, raising \$15 million USD. Japan-based Spiber raised \$313 million USD in funding.

Report contents include:

Market drivers for next-gen natural fibers.

Market trends in next-gen natural fibers.

Global revenues for next-gen natural fibers 2023-2033, by fiber types, market and region.

Technology challenges.

Analysis of types of next-gen natural fibers including plant-derived fibers, cultivated animal fibers cell fibers, microbe-derived fibers etc.

Markets for next-gen natural fibers, including composites, aerospace, automotive, construction & building, sports & leisure, textiles, consumer products and packaging.

Profiles of 185 next-gen natural fiber companies. Companies profiled include Algaeing, Ananas Anam, BASF, Bast Fiber Technologies Inc., Blue Ocean Closures, Coastgrass ApS, Kelheim Fibres GmbH, BComp, Circular Systems, Evrnu, Natural Fiber Welding, Icytos and many more.

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