

Functional Fashion

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Volume 02 | Week 31 (09 August'21 - 15 August'21) | Issue 15 | Pages 04

Sustainable swimwear: The enormous prospect

AH Monir

The global swimwear market is expected to grow by US\$ 6.74 billion during 2020-2024, according to the modern market research report by Technavio – a leading technology research and advisory company with over 500 specialized analysts across 50 countries.

Health awareness and the growing mindfulness towards the environment is seen to pull the growth of the market, which was earlier a little stunted towards sustainability. Along with, sustainable swimwear brands driving the market.

Increasing health consciousness among consumers is a huge factor in market growth. Another key driver for this market is the rising number of swimming pools, especially in North America which accounts for 28% of the growth.

The United States' swimwear market remains the leading market in the world,

distinguished by increasing consumer interest in swimming and a rising rate of family vacations to resorts, islands, and near the beach.

The swimwear market's growth momentum will accelerate during 2020-2024 at a compound annual growth rate (CAGR) of about 6%. The year-over-year growth rate is steadily increasing, estimated at 13.93% in 2020.

The global swimwear market was valued at USD 18.454 billion in 2017 and was forecast to reach a value of USD 28.7 billion by 2025, according to the report by KBV Research, global market research, and consulting firm.

"The rise in demand for trendy and fashionable sports apparel by the middle-aged individuals' segment has led the companies to launch new swimwear products to cater to the demand of the customers engaged in water-based sports. Thus,

manufacturers are investing highly in R&D activities and focusing on innovations to balance between the comfort and the features of swimwear as they both have a high impact on a consumer's purchase decision," said Shankar Bhandalkar, Senior Research Analyst at Allied Market Research.

The global swimwear market is divided into materials such as Polyester, Nylon, Neoprene, Polypropylene, Spandex, Cotton, and Other.

The introduction of innovative fabrics with qualities like thermal insulation, UV protection, flexibility, lightweight, and multi-function increases the popularity and demand for swimwear over the coming years.

However, raw material sourcing and design are very costly. They harm the growth of the market tremendously, especially the high demand for luxury swimwear by women.

\$6.74 bn

swimwear market growth during 2020-2024

Innovative fabrics like thermal insulation, UV protection, lightweight demand will grow

US remains leading swimwear market

6% CAGR during 2020-2024

A large number of upcoming swimwear brands such as Lanasia have now turned to sustainable synthetic fabrics to create luxury designs and answer the growing consumers' demand for more transparency, accountability, and sustainability.

For Full Story: <https://www.textiletoday.com.bd/sustainable-swimwear-enormous-prospect/>

New surgical mask with an intelligent fabric to deactivate SARS-COV-2 virus

Yeasin Miah

Recently, a team of researchers from the San Alberto Magno Translational Center (CITSAM-UCV), led by Professor Angel Serrano, created intelligent fabric of masks.

The Catholic University of Valencia and the Valencian company Visa Medical, the

manufacturer of the preventive health technology for innovation, have released a type IIR surgical mask with an intelligent cloth that can instantly inactivate the SARS-COV-2 virus that is responsible for COVID19.

The work of CITSAM-UCV researchers led by Professor

Angel Serrano is truly commendable.

This fabric neutralizes the SARS-COV-2 virus, and also neutralizes other coated viruses, such as the flu, and antibiotic-resistant bacteria such as Staphylococcus aureus and Staphylococcus epidermidis, which are resistant

to methicillin.

From Visor Medical, CEO Maravillas Viudes says that the line of UCV Research-Visormed surgical masks with intelligent fabric will be on sale in both adult and child sizes.

For Full Story: <https://ff.textiletoday.com.bd/new-surgical-mask-intelligent-fabric-deactivate-sars-cov-2-virus/>

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Bluesign® to phase out textile solvents that are carcinogenic, mutagenic or toxic

S N Abdullah

Textile chemical management specialist Bluesign® Technologies has announced a management and phase-out concept for critical CMR (carcinogenic, mutagenic or toxic to reproduction) solvents.

Bluesign® says it expects to see a significant reduction in the use and emissions of CMR solvents when the concept is fully implemented by its system partners by the end of 2024.

The company already works with its system partner companies to restrict the use of volatile organic compounds (VOCs) for purposes such as polyurethane coating and laminating.

In addition to its existing approach to hazardous chemicals and volatile organic compounds (VOCs), Bluesign® is now introducing a solvent management and phase-out concept for CMR solvents in

cooperation with stakeholders.

If for performance reasons the use of a CMR solvent is currently unavoidable and the solvent is not banned by Bluesign®, companies must fulfill one of the following requirements based on the CMR solvent concept:

- Install an off-gas abatement system with an efficiency for CMR solvent(s) of at least 95% or a TOC concentration in the off-gas of less than 10 mg/m³ (all relevant emission ports)
- Install a recycling system with an efficiency for CMR solvents of 95% or more
- CMR solvent concept implementation has the following deadlines:
- By the end of 2022, bluesign® SYSTEM PARTNER companies demonstrate full



Figure: Bluesign® to see a significant reduction in the use and emissions of CMR solvents when the concept is fully implemented by its system partners by the end of 2024. Courtesy: Collected

implementation of the concept or must provide a detailed improvement plan.

- By the end of 2024 all bluesign® SYSTEM PARTNER companies must demonstrate full implementation of the

concept.

Progress in CMR solvent management will be monitored by Bluesign® through regular on-site assessments and further specific follow-up. Bluesign® will inform on the progress.

For Full Story: <https://www.textiletoday.com.bd/bluesign-phase-textile-solvents-carcinogenic-mutagenic-toxic/>

Oeko-Tex's 'Made in Green' demand increased by 108%

Rahbar Hossain

In 2020-2021 fiscal year, Oeko-Tex issued 5,840 certificates and labels for the Made in Green sustainability program. Growing at a 108% from the previous year, making it the association's fastest growing credential.

Made in Green is a traceable product mark for textiles and

leather goods that approves an item has been checked for harmful substances. It also guarantees that a product was manufactured applying environmentally friendly procedures under socially responsible working conditions.

Georg Dieners, Secretary General, Oeko-Tex said, "The

COVID-19 outbreak and the ensuing supply chain issues have made us all painfully aware of how reliant we are on a global scale. Oeko-Tex, on the other hand, sees significant opportunity in these turbulent times."

Oeko-Tex recently announced that its Carbon and Water

Footprint Tool methodology has been approved by a third party and will be integrated into the Step by Oeko-Tex certification process in 2022. To ensure social and environmental conditions, this step encompasses all manufacturing facilities at all phases of processing.

For Full Story: <https://ff.textiletoday.com.bd/oeko-texs-made-green-demand-increased-108/>

Adidas by Stella McCartney revealed outerwear Earth Explorer collection

Angela Lovegood

Adidas by Stella McCartney has unveiled its latest AW21 collection and Earth Explorer campaign focused around multi-functional pieces for 'next-gen explorers'.

Designed to support 'wandering activists', the collection beams to inspire wearers to reconnect with nature, with pieces designed to endure the outdoors. Joining Adidas technology with McCartney's design style, the multi-purpose items give adjustable solutions that heighten versatility, whilst also combining a number of sustainable material innovations.

A highlight of the collection comprises the Sleeping Bag Puffer Jacket, complete with reflective panels, a mesh

hood and removable sleeves. The jacket uses 100 percent recycled polyester and WIND.RDY fabric, designed to protect the wearer against weather conditions. Earth Explorer Overalls are another highlight, incorporating Aeroready technology and Gore-Tex, both used to keep the wearer dry.

Garments and footwear items in the line use either Primegreen, materials using a minimum of 40 percent recycled content, or Primeblue, a top comprising at least 50 percent parley ocean plastic.

McCartney's collaboration with Adidas spans as far back as 2005, with the two bringing together a number of athleisure collections that fused their signature styles.

For Full Story: <https://ff.textiletoday.com.bd/adidas-stella-mccartney-release-outerwear-earth-explorer-collection/>



Upgrading the draw frame to optimize performance

Akik Ahmed

Draw frames are the cornerstones of every short-staple spinning process. Nevertheless, they are subject to technical wear and tear. Rieter's draw frame maintenance concept helps customers achieve outstanding sliver evenness, save on maintenance cost and reduce unplanned downtime.

A high-performing draw frame is the cornerstone of any spinning mill. Upgrading key components such as the levelling unit, the sensors and the fiber touching parts optimizes production, reduces downtime and saves maintenance costs.

Depending on the budget and needs, there are a

variety of ways to improve the performance of the draw frame. It is best to start with the SERVOdrive and the top roller upgrade.

SERVOdrive upgrade

This upgrade brings the regulated draw frame to a new level not only in terms of the dynamic levelling performance, but also regarding maintenance.

Top roller upgrade

For installed draw frames, the upgrade offers many advantages. While it looks pricy at first it is worth every penny. The tedious cleaning work at the bearing points is eliminated which leads to a much higher efficiency. The new top rollers have the same technical design



Figure: A high-performing draw frame is the cornerstone of any spinning mill. Courtesy: Rieter

and advantages as the ones used in the RSB-D 50.

Rieter's service offering

Rieter supports customers in all matters during the entire

life cycle of the machine with the extensive know-how of the Rieter After Sales organization. From maintenance, service, upgrade or retrofit, Rieter has the right offering.

For Full Story: <https://ff.textiletoday.com.bd/upgrading-draw-frame-optimize-performance/>

Microbially manufactured fibers: tougher than steel, harder than Kevlar

Dilruba Sultana

Spider silk is known to be one of the toughest materials on Earth. Now engineers at Washington University in St. Louis have designed amyloid silk hybrid proteins and produced them in engineered bacteria. The resulting fibers are stronger and tougher than some natural spider silks.

Their research was published in the journal ACS Nano.

To be precise, the artificial silk — dubbed “polymeric amyloid” fiber — was not technically produced by researchers, but by bacteria that were genetically engineered in the lab of Fuzhong Zhang, a professor in the Department of Energy, Environmental &

Chemical Engineering in the McKelvey School of Engineering.

Zhang has worked with spider silk before. In 2018, his lab engineered bacteria that produced a recombinant spider silk with performance on par with its natural counterparts in all of the important mechanical properties.

The research team, which includes first author Jingyao Li, a PhD student in Zhang's lab, modified the amino acid sequence of spider silk proteins to introduce new properties, while keeping some of the attractive features of spider silk.

For Full Story: <https://ff.textiletoday.com.bd/isko-partners-mit-fast-track-smart-textiles-rd/>

Antimicrobial textiles market to grow 7.4% by 2027

Hasnat Zaman

Global antimicrobial textiles market is expected to garner \$18.2 billion by 2027, witnessing a CAGR of 7.4% from 2020 to 2027, according to a research report published by Allied Market Research.

The antimicrobial textiles market is driven by many trends such as research and development, integration of innovative technologies, extended use cases in different sectors such as skincare, use during stays in space, and others.

Antimicrobial textiles are nothing but fiber substrates to which antimicrobial

agents are applied. These fibers are trusted to boost the lifespan and performance of consumer products. Increase in demand for antimicrobial sports wears and awareness regarding health and hygiene are factors adding to the market growth.

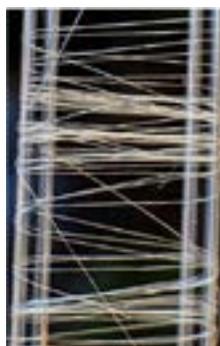


Figure: Spun polymeric amyloid fiber. Courtesy: Jingyao Li

For Full Story: <https://ff.textiletoday.com.bd/antimicrobial-textiles-market-grow-7-4-2027/>

DIGITAL AOP FOR ANY TYPE OF CELLULOSE BASED WOVEN OR KNIT FABRIC - PRINTING SMALL TO LARGE VOLUME WITH UNLIMITED COLORS

Key features of Robintex's MS LaRio

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- Water based ink, No need of screen, 100% Nickel free in bulk production
- Sustainable solution to Digital AOP arena : Water-consumption reduced by 70% and electric consumption by 30%
- No cost for ETP, completely sustainable



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New York Fashion Week SS 2022 denim

Angela Velasquez

New York Fashion Week gave a first look at the new notions and concepts designers are bringing to life in their Spring/Summer (SS) 2022 collections. However, there were less denim on the runway compared to previous seasons, the forms that made it onto the in-person catwalks and presentations reverberated the trends driving denim's new life.

Color denim raised jeans from a basic to a style statement. Alice + Olivia enlarged the strength of its emerald flare jeans with a similar sequin

cardigan and heels.

The brand discovered the whole color wheel by adding painterly strokes of red, blue, orange, and green to white jeans with distressed details. A pair of bleach-splatted blue jeans imitated the appearance of fluffy white clouds.

Neon zippers and taping added a jolt of surprise color to Nihil's jeans. Colorful floral embroidery added a feminine flair to Cinq à Sept's dark-wash workwear-inspired jeans, while Eckhaus Latta experimented with green-and-black overdyed

jeans—as well as transparent pants—in a skin-baring collection.

Destroyed denim was a central to C+Plus Series' collection. Known for its “unorthodox way of cutting and use of materials, deconstruction and fabric development,” the brand lived up to its reputation by using distressing techniques to create pinstripe and diamond-shaped patterns on denim vests, jackets and jeans.

Wide silhouettes, in general, was a common theme across collections.



Figure: Silken Sewing Ltd. has signed an agreement with BEZA for the lease of six acres of land in JEZ. Courtesy: BEZA

Coach, however, was the week's biggest advocate for loose fits.

For Full Story: <https://www.textiletoday.com.bd/new-york-fashion-week-ss-2022-denim/>

Retailers Next and Gap partnership in the UK and Ireland

US Shampa

Retailers Next plc and Gap Inc have finalized an agreement that allows Next to managed Gap's business in the UK and Ireland, making Next a franchise partner.

The agreement sees the two companies establish a joint venture, with Next set to operate Gap's e-commerce, Gap-branded shop-in-shops in retailers.

Also offer click-and-collect services to online customers, starting 2022. Next plc will also own 51 percent of the joint venture,

with Gap will own 49 percent.

Mark Breitbard, CEO and president of Gap Global, said, “Gap is partnering with Next, one of the UK's leading online clothing retailers, to amplify our omnichannel business and meet our customers in the UK and Ireland where they are shopping now.”

The announcement closely follows Gap's decision to close all of its UK and Ireland stores to focus on an online-only strategy.



Figure: Gap decided to close its stores in UK and Ireland, so Next will operate its online shopping business, host branded Gap concessions in selected retail locations and offer click-and-collect options. Courtesy: Urbannmyth/Alamy

For Full Story: <https://ff.textiletoday.com.bd/la-perlas-ncw-luxury-intimates-icons-wearing-icons-campaign/>

Strident street style looks from London Fashion Week SS22

Amena Kamal Khan

London Fashion Week Spring/Summer 2022 is all about making a statement from oversized sunglasses to interesting choices of jewelry, street style.

Recurring from pandemic lockdown, editors, buyers and style influencers are turning up at physical appearances to support homegrown brands like KNWLS and Nensi Dojaka.

In spite of a concise schedule this season, attendees show enthusiasm for the event by dressing up in striking outfits and over-the-top accessories. A Vivienne Westwood denim bustier and matching jean, both highlighting an overall painting print, were paired with ski sunglasses.



Figure: Influencers offer a masterclass in statement-making style. Courtesy: Andrea Barber

Equally eye-catching, a patchworked Marine Serre sweater was accessorized with silver chains and a small Telfar Shopping Bag. Other fashion eye candy came in the form of a Prada terrycloth bucket hat, the popular Bottega Veneta Original sunglasses and the Gucci Rhyton sneakers.

For Full Story: <https://ff.textiletoday.com.bd/strident-street-style-looks-london-fashion-week-ss22/>




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Reactive, Acid, Sublimation (JAVELIN)



JAVELIN- Multi Pass Digital Printer





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