

NEXT-GEN MATERIALS LOOKBOOK:

FEBRUARY 2024



NEXT-GEN LEATHER

BMW

BMW is offering a completely vegan interior for their new all-electric BMW i5 Touring model. The car is upholstered with their proprietary Veganza material made from recycled plant material and is scheduled to launch in May in Europe and June for the rest of the world.

Image Credit: BMW

FELDER+FELDER X MARIO BRAGHIERI X ECOVATIVE

At the Future Fashion Concepts event held at the Istituto Marangoni Miami (IMM), bespoke fashion brand Felder+Felder and Mario Braghieri, head of fashion design at IMM, debuted a vest made from Ecovative's Forager™ mycelium hides.



Image Credit: Felder+Felder

LIES MERTEN X WIJNBAR ONA X VEGEA

Belgian accessories brand Lies Merten collaborated with Belgian wine bar Wijnbar ONA on a limited edition wine bag. The bag is crafted from Vegea's grape waste leather alternative, with only 30 bags available for purchase.



Image Credit: Lies Merten

NEXT-GEN LEATHER

ALDANONDO Y FDEZ X MYCOWORKS

Aldanondo y Fdez, a bespoke footwear brand founded by two master shoemakers, crafted new shoe variations made from MycoWork's REISHI™ mycelium material.



Image Credit: MycoWorks



Image Credit: Dauphinette

DAUPHINETTE X TÔMTEX

NYC fashion brand Dauphinette's A/W '24 collection, titled "The Vegetarian", featured prosciutto-patterned bags made from TômTex's Series M mushroom leather alternative.



Image Credit: Photography by Jena Cumbo

NEXT-GEN DOWN

SAVE THE DUCK

Animal-free outerwear brand Save the Duck released a new unisex bomber jacket style made with their proprietary PLUMTECH® wadding.



Image Credit: Save the Duck



BECKMANS COLLEGE OF DESIGN X PONDA

At the Beckmans College of Design Fashion Collaboration Show in Stockholm, two fashion design students, Albin Vikström (pictured left) and Pierre Westerholm (pictured right), created collections using Ponda's plant-based BioPuff® wadding.



Image Credits: Photography by Fredrik Andersson

NEXT-GEN DOWN



Image Credit: Positive Materials

POSITIVE MATERIALS X PETRATEX X PDS VENTURES X PONDA

At Première Vision in Paris, a collaborative capsule collection from Positive Materials, Petrutex, and PDS Ventures was revealed. The collection contained six garments made from innovative materials and technologies, including Ponda's BioPuff® plant-based down alternative. BioPuff® was used as wadding in this faux leather jacket.

NEXT-GEN DOWN & FUR



Image Credit: Positive Materials

POSITIVE MATERIALS X PETRATEX X PDS VENTURES X BIOFLUFF X PONDA

BioFluff's plant-based Savian fur was featured in an oversized sweater, along with Ponda's BioFluff® wadding.

NEXT-GEN SILK/POLYESTER



Image Credits: Reformation

REFORMATION X LENZING

Reformation, together with activist Monica Lewinsky and Vote.org, released a new collection of workwear essentials as part of their “You’ve Got the Power” voting campaign. The collection features a multitude of styles made from Lenzing’s TENCEL™ Lyocell.

Image Credit: United Arrows

BECKMANS COLLEGE OF DESIGN X SPINNOVA®

At the Beckmans College of Design Fashion Collaboration Show in Stockholm, two fashion design students, Emma Carling (pictured left) and Miranda Berg (pictured below), created collections using SPINNOVA® cellulosic fiber.



Image Credits: Photography by Fredrik Andersson

MARUBENI CORPORATION X UNITED ARROWS X CIRC

Japanese business conglomerate Marubeni Corporation and clothing brand United Arrows debuted a capsule collection, “United Arrows Green Label Relaxing”, made from Circ’s recycled fiber material. The collection features two knit sweaters, and marks the first Japanese brand to use Circ’s recycling technology.

NEXT-GEN SILK

PATRICK MCDOWELL X LENZING

At London Fashion Week, Patrick McDowell's A/W '24 collection, "Orpheus Ball", used Lenzing's TENCEL™ LUXE to create orchestra-inspired designs.



Image Credit: Patrick McDowell



SESSÙN X LENZING

French clothing brand Sessùn's new spring collection features various designs made from Lenzing's TENCEL™ fibers.

Image Credit: Sessùn

INFINITY VESSEL X SPINNOVA

At New York Fashion week, Finnish glass artists Sini Majuri and Marja Hepo-aho debuted an eight piece collection featuring traditional glass sculptural pieces juxtaposed with innovative textile materials. One such material was from SPINNOVA®, with a bag and two dresses made from a blend of SPINNOVA®'s cellulosic fiber and cotton.



Image Credit: Photography by Victor Pagan

SPECIAL FEATURE

This month we are featuring a jacket made using Modern Meadow's Bio-Alloy™ technology, a proprietary plant-based protein coating which replaces harmful PFCs. PFCs are known to harm the environment, humans and animals. Though not in our typical biomimicry scope, we think this is breakthrough chemistry and worth sharing.

STONE ISLAND X MODERN MEADOW

Italian technical apparel brand Stone Island's S/S '24 collection included two cotton jackets made using Modern Meadow's Bio-Alloy™ technology. This technology, made of an alloy of their proprietary plant-based proteins and bio-based polymers, can be applied to other materials for enhanced performance and durability without the use of harmful chemicals like PFCs or synthetics.



Image Credits: Stone Island



Image Credit: Ecovative

METHODOLOGY

The research for this report was gathered from news articles and the websites and social media of next-gen innovators. Only collaborations/products featuring next-gen innovators from MII's Innovator Master List were included. Additionally, any products that were not from the featured month, at least 30% bio-based, did not mimic an animal-derived material, or products blended with animal-derived materials (including recycled) were not included in our research.

Once the research was completed, the collaborations were sorted by biomimicry material (i.e. leather, silk, wool, etc and their polyester or acrylic counterparts.)

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We'd also like to thank the leading next-gen material companies, industry stakeholders, and investors for their generous input and support.

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