

Can recycled textiles and biobased materials be the key part of the solution for a sustainable fashion industry ?

Fashion is the second-largest polluting industry on the planet, contributing to 20% of global wastewater. Exacerbating this is the fact that fast fashion leads to a mountain of clothing thrown away every year causing a huge impact on the environment. It is reported that globally the fashion industry is responsible for 10% of all greenhouse gas emissions, with textile production alone is estimated to release 1.2 billion tonnes of greenhouse gases into the atmosphere every year.

Consumers are ready for a change and the fashion industry is intensifying and investing in the search for sustainable materials including recycled and biobased products!

Will hemp replace mainstream textiles materials as the sustainable alternative ?

With the increased ethical treatment of animals, can recycled leather be the force for good ?

Recent attention has been focussed on mycelium as the potential alternative material for leather. How sustainable is mycelium supply ?

Can cultivated cell-based fur and wool revolutionise the fur industry and move it away from pollutive processes of tanning and dyeing, as well as a synthetic plastic-based materials ?

Why are clothes a challenge to recycle ?

Sorting & collection of used / unsold clothing is a time consuming task made more complicated by the many blends of man-made and natural fibres used in modern garments.

Innovations are rapidly developing as major brands across the fashion industry start to pay attention to the demand for more sustainable practices. Can current technologies turn new clothes from used clothing – ie textiles to textiles recycling ? What mechanical or chemical recycling technologies exist out there and how scalable are they ?

High carbon emissions and heavy use of water and chemicals are characteristic of the fashion industry. What are brandowners doing in their sustainability commitments to reduce emissions and become carbon-neutral by 2030 ?

Traceability in fashion businesses is a challenge to achieve as brands face huge convoluted network of suppliers. Can technologies transform the fashion supply chain traceability ?

CMT's Innovations in Biobased & Recycled Textiles event held on the 17th January 2022 presents a strong panel of experts to share their perspectives as the industry cleans up and move forward to a sustainable future.

For more information, contact hafizah@cmtsp.com.sg



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INNOVATIONS IN BIOBASED & RECYCLED TEXTILES

17 JANUARY 2022, 09:00 CET (GMT +1)

17 January 2022, Monday

08:55	Welcome Remarks by CMT	09:00	Opening Remarks by Moderator	09:05	Steering the clothing and footwear industry to a sustainable future - challenges & opportunities Susan Harris, Technical Director Anthesis Group	09:20	Collection & sorting challenges on closing the loop for textile recycling Erica van Doorn, Director Sympany	09:35	Striving for closed-loop system : Nan Ya's textile recycling strategies Chih-Yao Hou, R&D Advanced Engineer Nan Ya Plastics Corporation	09:50	Recycling post consumer textiles into high quality fibre & closing the loop in fashion Helene Smits Chief Sustainability & Marketing Officer Recover™	10:05	Discussion / Ask away session with speakers	10:40	Responsible shopping – how digital technology is empowering shoppers find sustainable fashion Iris Skrami, Co-Founder Renoo	10:55	Upcycling polyester textiles waste to virgin like monomers Maarten Stolk Business Development Manager Ioniqa Technologies	11:10	Towards a completely traceable & transparent era of sustainable textiles Shannon Mercer, CEO Fibretrace	11:40	Discussion	12:00	Circularity & sustainability in the fashion industry – A designer's perspective Sylvia Calvo, Founder Sylvia Calvo BCN	12:20	Sustainability of mushroom mycelium for the fashion industry Bert Rademakers, Co-Founder Mycellium Materials Europe	12:40	Reusable & recyclable fashion through hemp clothing Shreyans Kokra, Founder / CEO CanvaLoop Fibre	13:00	Discussion. Ask away session with speakers	13:15	Lunch Break	14:20	100% compostable biopolymer faux fur, cell-based fur and cell-based wool Mariya Zakurnaeva, Founder Furoid	14:40	Brandowners' Sustainability Journey Bert Van Son, Founder & CEO Mud Jeans Michael Esser, Director - Product Innovation, PVH Corp	15:00	Harnessing FIT technology & 3D weaving to minimise waste in fast moving fashion industry Brooke McEver Product Lead & Sustainability, Unspun	15:30	Discussion. Ask away with speakers	16:00	Innovative fiber processing technology using upcycled low value crop residues Isaac Nicholson, CEO & Co-founder Circular Systems	16:20	Smart recycling on natural leather fibres from traceable pre consumer leather wastage Olivier Grammont, Co-Founder Recyc Leather	16:40	Potential outlook of biobased polyurethane for sport shoes / foot wear Jason Robinson, CEO, Evoco	17:00	Commercialising bio-based nylon with fermentation technology Lisa Kennedy, Sr. Director - Business Development, Genomatica	17:20	Final Discussions with speakers	17:50	End of Conference
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