

# Fashion & Textiles: Innovation in Sustainability

LCB Depot's exhibition & events programme highlights work from a different creative industry every month. In April 2020 the focus is on fashion and textiles.

Artists and designers from across the country including those based in Leicester and at De Montfort University will explore sustainable practices from bespoke tailoring of long lasting garments to innovative new materials.

To find out more visit [lcbdepot.co.uk/event/fashion-2020](http://lcbdepot.co.uk/event/fashion-2020)

#sustainablefashion @lcbdepot



## Algae Thread

Cassie Quinn

Algae

The Algae Thread project explores how textile processes can have a better environmental impact. Algae is a fast reproducing organism and Cassie Quinn works with an algae polymer that has properties similar to that of plastic. Petroleum-derived plastic is becoming widely known to have detrimental impacts on our environment. The thread developed by Cassie is non-toxic, water resistant and biodegradable. Cassie incorporates natural dyes before spinning the thread which allows for less water usage as well as being non-toxic.

Waste within the fashion industry is a serious threat to biodiversity and Cassie Quinn's research focuses on consideration of what happens at the end of a textile's life. As the thread has biodegrading properties, the applications include embroidery onto a garment that we take care of, which can be removed without polluting our environment. This allows for designs to be updated and changed, creating an evolving garment without needing to buy new every time.

## Artist Bio

Cassie Quinn founded CQ Studio in 2020, a multidisciplinary design studio with a focus on material innovation. Fusing technology, traditional craft and biology Cassie works to tackle pressing environmental issues in the fashion

and textile industry. Cassie is currently part of the first cohort on MA Biodesign at Central Saint Martins, an emergent field exploring how we can learn from living systems to design a sustainable future; and also at Makerversity on the 'Makers With a Mission' Residency. Cassie obtained her BA in Fashion Textiles at University of East London and was previously a designer in residence at BRIA; which is where Cassie first started her exploration into innovative materials.

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## Biothread Embroidery Roundtable Workshop



For further information and to register your interest in the Biothread Embroidery Roundtable Workshop with Cassie Quinn of CQ Studio, please contact Katherine West - [kw@madebykatherinewest](mailto:kw@madebykatherinewest) or on IG [@k\\_west\\_design](#).