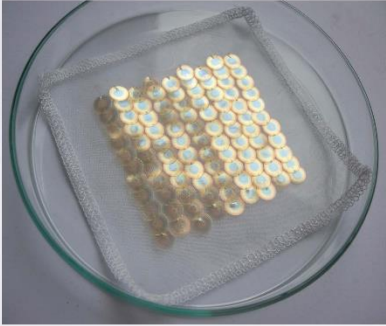




Fashion & Textiles: Innovation in Sustainability

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 / #sustainablefashion @lcbdepot

<p>FASHION & TEXTILES: INNOVATION IN SUSTAINABILITY</p> <p>ELISSA BRUNATO - BIO IRIDESCENT SEQUIN</p> <p>A hand embroidered sample using Bio Iridescent Sequins, showing the sequins shimmering surface</p>  <p>MATERIALS: PLANT-BASED CELLULOSE Image credit: Elissa Brunato</p>	<p>FASHION & TEXTILES: INNOVATION IN SUSTAINABILITY</p> <p>ELISSA BRUNATO - BIO IRIDESCENT SEQUIN</p> <p>Creating Bio Iridescent Sequins in the Bio-lab at RISE</p>  <p>MATERIALS: PLANT-BASED CELLULOSE Image credit: Elissa Brunato</p>	<p>FASHION & TEXTILES: INNOVATION IN SUSTAINABILITY</p> <p>ELISSA BRUNATO - BIO IRIDESCENT SEQUIN</p> <p>Close up of one Bio Iridescent Sequin, featuring its natural structural colours and iridescent shimmer</p>  <p>MATERIALS: PLANT-BASED CELLULOSE Image credit: Elissa Brunato</p>
<p>Elissa Brunato is a designer who explores concepts around material culture. Working across disciplines, she researches into emerging scientific possibilities, circular systems and materials, curious how these can respond to wider ecological systems. Her recent project, Bio Iridescent Sequin, harnesses the potential of cellulose to create shimmering structural colours for fashion embellishments.</p>	<p>Bio Iridescent Sequin harnesses bio technologies to create colourful shimmering sequins from naturally abundant cellulose, a material with the added benefit of being lightweight, strong and compostable. By redesigning a sequin from the base structure up, Designer, Elissa Brunato, has been able to rethink the production process by forming them in moulds to eliminate waste.</p>	<p>Working alongside Material Scientists Hjalmar Granberg and Tiffany Abitbol from the RISE Research Institutes of Sweden, Elissa created shimmering iridescent colours embedded within the material structure of cellulose. In this way, it is possible for this Bio Iridescent Sequin to shimmer naturally without added pigments or colour fixing chemicals and unlike most existing dyes, their colour does not fade in sunlight or over time.</p>

Bio Iridescent Sequin

Elissasa Brunato

Plant-based Cellulose

These Bio Iridescent Sequins by designer Elissa Brunato get their colourful shimmer from their inherent material structure.

Elissa collaborated with a science lab to create bio sequins that utilise microscopic structures of cellulose to produce natural shimmering colour. Their glittery colours work similar to the vivid colours of peacock feathers or butterfly wings. Removing the need to use polluting pigments and hazardous colour-fixing chemicals that are harmful to the environment. These sequins fit within a biological material cycle and can create a safer manufacturing environment. They are a compostable alternative to the traditional non-recyclable petroleum-based plastic sequins that are ubiquitous and environmentally harmful.

Artist Bio

Elissa Brunato is a designer who explores concepts around material culture. Working across disciplines, she researches into emerging scientific possibilities, circular systems and materials, curious how these can respond to wider ecological systems. Her recent project, Bio Iridescent Sequin, harnesses the potential of cellulose to create shimmering structural colours for fashion embellishments.

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