

# Linnea

## How to incorporate Bacteria to decompose synthetic fibres in landfills? How to design clothing to reduce textile waste?



### Fashion's tiny hidden secret

Fashion today is about obsession with outward image and appearance. Rarely do we as consumers consider what's on the inside: the hundreds of thousands of fibres that make up our clothing which have led to an estimated 1.4 million trillion plastic fibres...



### End of life

End of life



### Fashion and the circular economy

This topic area explores how the circular economy works for the fashion industry.



### UK named fourth largest textile waste producer in Europe

The UK is the fourth largest producer of textile waste in Europe, according to a new study.

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### Bacteria really eat plastic: Laboratory experiment shows that bacteria really eat and digest plastic

The bacterium *Rhodococcus ruber* eats and actually digests plastic.

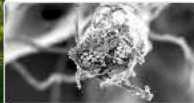
### Designing for circular fashion: integrating upcycling into conventional garment manufacturing processes - Fashion and Textiles

This paper summarises the results of a more than 5-year practice-led study on the use of upcycling design and production methods in garment mass production. The efficiency of upcycling design approach is described by analysing the generation and potential...



### Dupont™ Sorona®: Plant-based Spandex Alternative

Dupont™ Sorona® is an eco-efficient, performance fiber which contains 37% of the polymer made using annually renewable plant-based ingredients.



### This Company Has a Way to Replace Plastic in Clothing

Natural Fiber Welding uses an innovative process to treat cotton and make it behave more like synthetic fibers.

