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Session V: Colorants from renewables

The coloration narrative can and must change!



David Callaghan
Head of Coloration, Colorifix Ltd, UK

Mr. David Callaghan is Head of Coloration Division and Dyehouse Manager at Colorifix Limited in Cambridge, UK. He was initially responsible for the set-up and management of the Cambridge site. Mr. David is now responsible for developing a range of shades on various substrates by using pigments and dyes produced by Colorifix's innovative biological process developed by its R&D team in Norwich UK. As an experienced colourist with a long career in the textile industry in many different countries of the world, Mr. David is ideally suited to steer the Colorifix approach towards solving significant environmental issues.

Abstract

Fast fashion and a changing business scenario have rightly focused consumer attention on the impact of textile and apparel industries on the environment. The dyes that colour our clothes are all too often made through a process that damages the planet by using too much water, power, and toxic chemicals. At Colorifix, we developed a natural alternative to this crucial input in the textile supply chain. By using a synthetic biology approach, we offer a radically different solution to incumbent dyeing technologies that cuts out the use of harsh chemistry and leads to huge reductions in water and energy consumption.