

Title of the Abstract

“Functionalized Viscose Fibres for Wellbeing Textiles: How Infrared Celliant® Viscose supports a healthy and sustainable lifestyle”

Abstract

Courtney O’Keefe, Hologenix LLC – Inventors of Celliant®
Mayer Dominik, Kelheim Fibres GmbH

Our wellbeing depends on a multitude of tangible and intangible factors that affect and influence our lives every single day. A holistic approach to overall wellbeing helps us to successfully overcome life’s challenges and stress. With their special functionalities, our viscose fibres support the physical, mental and emotional wellbeing of the end user by adding a little something extra to our customers’ fabric or structure - such as for example infrared technology. Created as a partnership between Kelheim Fibres and Hologenix, Celliant Viscose is an innovation that has been years in the making and offers a myriad of health and wellness benefits while meeting increasing consumer demand for more environmentally-friendly textiles. The lecture will share how Kelheim's distinctive technology and Celliant's functional additives create a unique fibre that provides full functionality without the need for any additional processing step — a new standard in the field of sustainable IR viscose fibers. The incorporation of functional IR-active minerals into the cellulosic fibre matrix enables Celliant Viscose to be blended with various other fibre materials. Celliant Viscose consequently combines the use of a sustainable raw material with focus on customer-benefit-oriented innovations and can be specifically tailored to requirement profiles in various textile and nonwovens applications like sports and outdoor apparel, hygiene and beauty products or even in the agricultural sector.

You'll learn why brands have been anticipating a plant and mineral-based solution as an alternative to synthetic fibers, and how this viscose fiber capture and convert body heat into infrared, increasing local circulation and improving cellular oxygenation.