

## SPEAKER



### NAME

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### BIOGRAPHY

Axel Rußler studied wood science and technology at the University of Hamburg. He worked for his PhD in Hamburg and Vienna (University of Natural Resources and Life Sciences, Vienna; BOKU) on a viscose fiber related topic. After two positions in industry at Lenzing AG and J. Rettenmaier & Söhne (JRS) he went back to University for a Senior-PostDoc, before returning to industry, joining Glanzstoff Group, also a producer of cellulosic fibers. Since 2016 he is with Lenzing AG again. Among other topics, he is responsible for the development of new fiber types.

## LECTURE

### **New aspects about regenerated cellulose fibers – Versatile and sustainable tools for broad field of applications**

In view of the worsening problems surrounding plastic waste and micro-plastics, sustainably produced fibers based on renewable raw materials are gaining new interest.

In this presentation, we provide an overview of the leading manufacturing technologies for regenerated cellulose fibers and their diverse applications in all areas of daily life and a wide variety of technical applications.

A special focus will be on new fiber developments. It becomes clear how diverse the design possibilities can be by modifying the morphology, fibrillation properties, surface chemistry or additives. These design possibilities enable tailor-made products that meet the highest technical demands and are economically attractive and whose production reduces environmental pollution to a minimum.

### **Keywords:**

Viscose  
Lyocell  
Modification  
Sustainability