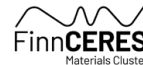




**COLORANTS
AND PRINTING INKS**



PEFF: PLANT BASED FINISHES FOR BETTER CELLULOSIC TEXTILES



FinnCERES, (Aalto University, VTT) | Finland



Nina Pulkkis | nina.pulkkis@photino.fi

Plant-based colours and finishes improve the performance of cellulosic textiles while reducing the environmental impact of dyeing and finishing. As the textile industry moves away from fossil-based synthetics, man-made cellulosic fibres are expected to grow rapidly – but cellulose alone cannot match polyester in outdoor and active wear. PEFF develops plant-based colours and finishes that give cellulosic fabrics moisture management, UV protection, antibacterial and odour-control properties, using extracts from agricultural and food side streams such as onion and berry skins, coffee, tea and tree bark. The project also develops screen-printing methods to cut the water, energy and dye lost in conventional wet processing, which accounts for a fifth of industrial freshwater pollution. A FinnCERES project run by Aalto University and VTT.

