

Developments and Implementation of Biomaterials in Textile Coating and Finishing

Authors : David De Smet, Myriam Vanneste

Abstract : There is a constant need for the improvement of materials applied in textile industries. Nowadays there is a tendency for “bio, eco, natural and environmental friendly” consciousness of the consumer resulting in various textile labels. Materials, totally based on CO₂-neutral renewable resources (biopolymers), respond very well to this tendency. Proteins and PLA were evaluated as binders for textile coatings. Much attention is paid to the functionalization of textiles, therefore bio-additives are examined to introduce abrasion resistance, antimicrobial and flame retardant properties.

Keywords : biomaterial, textile, coating, finishing

Conference Title : ICTF 2015 : International Conference on Textiles and Fashion

Conference Location : Paris, France

Conference Dates : July 20-21, 2015