



Textile Processing and Properties: Preparation, Dyeing, Finishing and Performance (Textile Science and Technology)

By T. L. Vigo

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The type and amount of textile products have greatly proliferated over the last decade. Concomitant textile processing to improve the properties and ultimate performance has also undergone dramatic changes. Ready availability of instrumentation, computers, lasers and integration of these advances with similar progress in polymer/material science have led to the need for a unified discussion on these topics.

The current book concisely discusses all aspects of textile processing, modification and performance for four major topics: preparation (by fiber type), dyeing and printing (dye type, theory and synthesis; dye classification by structure and application), improving functional and aesthetic textile properties (physical, chemical and physicochemical processes and concepts), and performance (chemical analysis, instrumental methods; physical, chemical, biological, multiple influences and standard tests). A detailed and logical progression from the initial purification of textiles to their performance and care is described. The book will be useful as a text for textile/polymer courses at undergraduate and graduate levels and as a comprehensive source of information for textile scientists, engineers, manufacturers, retailers and others with an interest in textile products.

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Editorial Review

Review

The book would prove to be a highly appropriate text for undergraduates studying wet processing and one which could fill an obvious gap.

Journal of the Society of Dyers & Colourists

...covers all aspects of textile processing, modification and performance

Textile Chemist & Colorist

A well presented, readable report...

ASLIB Book Guide

The book should eminently and primarily be very useful for scientists and technologists in the broad area of fibers and fabrics.

Polymers for Advanced Technologies

...will rapidly become the standard textbook for many textile teaching courses...

Trends in Polymer Science

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Rebecca Kurtz:

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