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The Textile Fibers - Merritt Matthews - 1923

The Textile Fibers - J. Merritt Matthews - 1916

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Physical Properties of Textile Fibres - J. W. S. Hearle - 2008-10-10
First published in 1962, and now in its fourth edition, Physical properties of textile fibres has become a classic, providing the standard reference on key aspects of fibre performance. The new edition has been substantially reorganised and revised to reflect new research. After introductory chapters on fibre structure, testing and sampling, the book reviews key fibre properties, their technical significance, factors affecting these properties and measurement.
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Written by one of the world’s leading authorities, the fourth edition of Physical properties of textile fibres consolidates its reputation as a standard work both for those working in the textile industry and those teaching and studying textile science. A standard reference on key aspects of fibre performance. An essential read and reference for textile technologists, fibre scientists, textile engineers and those in academia. Provides substantial updated material on fibre structure and new test methods, data and theories regarding properties of textile fibres.

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Matthews' Textile Fibers - Herbert Richard Mauersberger - 1954

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Textile Fibers, Their Physical, Microscopic and Chemical Properties - Joseph Merritt Matthews - 1954

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Covers: Asbestos -- Wool -- Minor hair fibers -- Silk -- Vegetable fibers -- Cotton -- Cellulose --
Minor seed hairs -- Artificial silks -- Linen -- Jute, Ramie & hemp -- Minor vegetable fibers and paper fibers -- Analysis -- Testing -- Fabrics.

Matthews' Textile Fibers: Their Physical, Microscopic, and Chemical Properties. 6th Ed - J. Matthews - 1954

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Physical properties of fibers; Microscopic and chemical properties of fibers; Cellulose: sources, constitution, and chemical properties; History, growth and statistical of cotton; Microscopical characteristics of cotton fiber; The physical properties of cotton; Chemical properties of cotton fiber; The bast fibers; Structural or hard vegetable fibers; Miscellaneous vegetable fibers;
Wool-history, grades, and statistics; Microscopical and physical properties of wool; Chemical nature and properties of wool; Speciality hair fibers; Textile fur fibers, brush fibers, and down; The silk fibers; Regenerated rayon fibers, filaments, and yarns; Fiber identification methods; Quantitative fiber analysis; Fiber-testing methods.

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The Textile Fibres - Joseph Merritt Matthews - 1913

A Brief Study of the Textile Fibers and Their Physical and Chemical Properties - Rhode Island School of Design - 1944

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Identification of Textile Fibers - M M Houck - 2009-01-30

The identification of fibers is important to the textile industry, forensic science, fashion designers and historians among others. Identifying fibers involves observing the physical and chemical properties of the fiber for which there are a wide diversity of instruments available. This book provides a comprehensive review of fiber structure, the diversity of
instruments available to identify fibers and applications for a range of industries. The first part of the book examines the main fibers, their structure and characteristics. Part two focuses on methods of fiber identification, ranging from microscopic to DNA analysis. Specific applications, including how textiles are identified in forensic investigations. Identification of textile fibers is an important text for forensic scientists, police and lawyers who may be involved with the use of textile fibers to provide evidence in criminal cases. It will also be relevant for textile designers, technologists and inspectors wishing to assess fiber quality and understand fiber damage. Provides a comprehensive review of the main types of fibre together with their structure, characteristics and identification. Assesses methods of fibre identification from optical microscopy to DNA analysis as well as instruments available to identify fibres.

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part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

**Textile Fibres** - H. R. Mauersberger - 1971

**Textile Fibres** - H. R. Mauersberger - 1971

**The Textile Fibres** - J. Merritt Matthews - 2017-09-17

Excerpt from The Textile Fibres: Their Physical, Microscopical, and Chemical Properties The present book, it is hoped, will be of assistance to both the practical operator in textiles and the student of textile subjects. It has been the outgrowth of a number of years of experience both in the teaching of textile chemistry and in the practical observation in the many mill problems which have come under the notice of the author in the practice of his profession. The textile fibres form the raw materials for many of our greatest industries, and hence it is of importance that the facts concerning them should be systematized into some form of scientific knowledge. The author has attempted, however, not to allow the purely scientific phase of the subject to overbalance the practical bearing of such knowledge on the every-day problems of industry. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.
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Advances in Agrophysical Research

The idea of this book was born due to the rapid increase of the interest in excellence of agricultural production in the aspect of both - the quality of raw material for food production as well as in the aspect of environment protection. Agrophysics is a field of science that focuses on the quality of agriculture as a whole i.e. the interaction between human and environment, especially the interaction between soil, plant, atmosphere and machine. Physics with its laws,
principles and rules is a good tool for description of the interactions, as well as of the results of these interactions. Some aspects of chemistry, biology and other fields of science are also taken under consideration. This interdisciplinary approach can result in holistic description of processes which should lead to improvement of the efficiency of obtaining the raw materials to ensure a sufficient amount of food, safe for human health. This book could be regarded as the contribution to this description. The reader can find some basic as well, as more particular aspects of the contemporary agriculture, starting with the soil characteristics and treatment, plant growth and agricultural products’ properties and processing.

**Advances in Agrophysical Research** - Stanisław Grundas - 2013-07-31
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Provides over 1400 articles that deal with materials and techniques in art from ancient times to the present, including such media as ceramics, sculpture, metalwork, painting, works on paper, textiles, video, and computer art.

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Handbook of Textile Fibre Structure - Stephen Eichhorn - 2009-10-19
Due to their complexity and diversity, understanding the structure of textile fibres is of key importance. This authoritative two-volume collection provides a comprehensive review of the structure of an extensive range of textile fibres. Volume 1 begins with an introductory set of chapters on fibre structure and methods to characterise fibres. The second part of the book covers the structure of manufactured polymer fibres such as polyester, polyamides, polyolefin, elastomeric and aramid fibres as well as high-modulus, high-tenacity polymer fibres. Chapters discuss fibre formation during processing and how this affects fibre structure and mechanical properties. A companion volume reviews natural, regenerated, inorganic and specialist fibres. Edited by leading authorities on the subject and
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**The Chemical Technology of Textile Fibres - Their Origin, Structure, Preparation, Washing, Bleaching, Dyeing, Printing and**
Dressing - Georg Von Georgievics - 2013-01-31
This early work on textile chemistry is both expensive and hard to find in its first edition. It contains details on the chemical technology of processes such as dyeing and bleaching. This is a fascinating work and is thoroughly recommended for anyone interested in the textile industry. Many of the earliest books, particularly those dating back to the 1900s and before, are now extremely scarce. We are republishing these classic works in affordable, high quality, modern editions, using the original text and artwork.

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