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Textile Fabrics and Their Preparation for Dyeing - J J (John James) -1902 Hummel
2021-09-09

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preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

All About Traditional Textile Fabrics For DIY Spinning, Weaving, And Dyeing (Legacy Edition) - Paul N. Hasluck
2020-01-23

This deluxe reprint Legacy Edition of Paul N. Hasluck's *All About Traditional Textile Fabrics For DIY Spinning, Weaving, And Dyeing* (previously published as "Textile Fabrics And Their Preparation For Dyeing" in 1906) is full of old-time tips and methods for learning the traditional approaches to textiles, fabric making, and spinning fibers.

The Textile Industries - William
S Murphy 2021-09-09

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Textile Processing and Properties - T.L. Vigo
2013-10-22

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.

The Chemical Technology of Textile Fibres - Georg Von Georgievics 2014-03

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either 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 Fabrics and Their

Preparation for Dyeing -
Hummel J. J. 1906

The Chemical Technology of Textile Fibres; Their Origin, Structure, Preparation, Washing, Bleaching, Dyeing, Printing and Dressing - Georg von Georgievics 2013-09

This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1902 edition. Excerpt: ... III. Classification of Dye-Substances; Methods of Dyeing.¹ Since in this chapter we are solely concerned with the application

of the dye-stuffs in the processes of dyeing and printing, the sole principle of classification we can adopt is based on the method of dyeing necessary to bring them on the fibre. The different classes of dyes, therefore, may be set down as follows: -- 1. Acid dye-stuffs. 2. Basic or tannin dyes. 3. Dye-salts or substantive cotton dyes. 4. Mordant dyes. 5. Vat dyes. 6. Developing dyes. 7. Albumin dyes. 1. Application of Acid Dye-Stuffs. The acid dyes are mostly sodium salts of sulpho-acids, and this class comprises the different marks of tropeoline, ponceau, Bordeaux, scarlet, fast red, chromotrope, black azo dyes (such as

naphthol black), acid violet, acid green, several aniline blues, patent blue, several fast blues or indulines, tartrazine, quinoline yellow, azocarmine, indigo-carmine, etc., as well as such dyes as owe their acid character to the presence of nitro and hydroxyl groups--the nitro dyes and eosines. Dyes of this class are more frequently used than any others for dyeing wool and silk, but are not well adapted for dyeing cottons. Application to Wool.--The dyeing is effected in presence of acids or acid salts, viz. sulphuric acid, sodium bisulphate--mostly known as tartar preparation--Glauber salt (sodium sulphate), alum, acetic

acid, ammonium acetate, or ammonium oxalate. The object of these acid adjuncts is to neutralise the calcium bicarbonate in the dye water, liberate the dye acid, and finally to diminish the solubility of this latter in water, thus facilitating its absorption by the fibre and helping the bath to "draw." The stronger the acid the better and more quickly is the dye absorbed by the...

The Chemical Technology of Textile Fibres - Georg von Georgievics 1920

The Principles and Practice of Quality Textile Wet Processing - Clemson University. College of Commerce and Industry 1990

The Dyeing and Cleaning of Textile Fabrics - Frank Allen Owen 1909

Handbook of Textile and Industrial Dyeing - M Clark 2011-10-25

Dyeing is one of the most effective and popular methods used for colouring textiles and other materials. Dyes are employed in a variety of industries, from cosmetic production to the medical sector. The two volumes of the Handbook of textile and industrial dyeing provide a detailed review of the latest techniques and equipment used in the dyeing industry, as well as examining dyes and their

application in a number of different industrial sectors. Volume 1 deals with the principles of dyeing and techniques used in the dyeing process, and looks at the different types of dyes currently available. Part one begins with a general introduction to dyeing, which is followed by chapters that examine various aspects of the dyeing process, from the pre-treatment of textiles to the machinery employed. Chapters in part two then review the main types of dyes used today, including disperse dyes, acid dyes, fluorescent dyes, and many others for a diverse range of applications. With its distinguished editor and

contributions from some of the world's leading authorities, the Handbook of textile and industrial dyeing is an essential reference for designers, colour technologists and product developers working in a variety of sectors, and will also be suitable for academic use. Examines dyeing and its application in a number of different industrial sectors Deals with the principles of dyeing and techniques used in the dyeing process, as well as types of dyes currently available Chapters review various dye types right through to modelling and predicting dye properties and the chemistry of dyeing Dyes from Nature - Riikka

Räisänen 2017-01-05

"Plants, algae, fungi and insects have been used as dye sources for centuries. Focusing on the sources of dyes that grow wild, or are suitable for cultivation, in Northern Europe, this book explores the versatility, practical uses and environmentally safe applications of natural dyes, while at the same time delving into their botany, chemistry and methods of dyeing. The reader is presented with details of dyes from different sources and information on dyeing practice accompanied by a wealth of beautiful photographic images that illustrate the possible tangible end results discussed in the narrative. Dyeing has

traditionally been linked with small-scale craftsmanship and many recipes for home dyeing together with guidance for textile printing are included. However the authors also show how natural dyes are now being utilised on an industrial scale and are becoming increasingly important as a source of renewable raw materials."--
Publisher's website.

[The Fabric & Yarn Dyer's Handbook](#) - Tracy Kendall 2001

If you want to give fabrics that personal touch, you can't do without this vital tool that covers everything from traditional vat coloring to tie-dyeing, as well as innovative contemporary methods involving photocopyers,

foil, and latex. Jam-packed with handy tips from a leading expert in textile dyeing and decoration, it describes the characteristics of different fabrics and yarns, dyes, pigments, and paints. Color strip, screen or block print, do Indonesian batik, smoke stencil, and so much more, with over 100 inspirational, beautifully photographed recipes for dyeing and patterning fabric, a comprehensive techniques section, and symbols that quickly convey a recipe's difficulty, preparation time, process, and type of dye required. And a handy color key system instantly identifies the best material for each

procedure!

Textile Fabrics and Their Preparation for Dyeing - John James Hummel 1906

A Novel Green Treatment for Textiles - Chi-wai Kan

2014-09-02

Industries worldwide have been impacted by environmental regulations, economics, and ultimately consumers, which has led to more thought about the development of sustainable products. The textile industry is no exception. The preparation, dyeing, and finishing of textile fibres requires large amounts of water and other chemicals which may be toxic or hazardous. Green chemistry

along with other green technologies may now play a leading role in this process. This book emphasises the importance of plasma treatment as a green and sustainable technology. A Novel Green Treatment for Textiles: Plasma Treatment as a Sustainable Technology discusses the plasma treatment of textile fibres and its environmental, economic, and social benefits. The book reviews the general properties of textiles and provides a description of the current treatment methods typically used today. The author then introduces the concept of plasma and its application in treating textile materials. The

application of plasma as a pretreatment as well as a treatment in dyeing textiles is discussed. The book summarizes the application of plasma treatment in the printing and finishing of textiles. Also explored is the concept of sustainability and its role in the development of plasma treatments in textile wet processing. The 12 Principles of Green Chemistry are incorporated throughout the book.

Handbook on Textile Auxiliaries, Dyes and Dye Intermediates

Technology - NPCS Board of Consultants & Engineers
2009-10-01

Textile auxiliaries are defined as

chemicals of formulated chemical products which enables a processing operation in preparation, dyeing, printing of finishing to be carried out more effectively or which is essential if a given effect is to be obtained. Certain Textile Auxiliaries are also required in order to produce special finishing effects such as wash & wear, water repellence, flame retardancy, aroma finish, anti odour, colour deepening etc. The prime consideration in the choice of Textile materials is the purpose for which they are intended, but colour has been termed the best salesman in the present scenario. The modern tendency is towards an

insistence on colour which is fast to light, washing, rubbing, and bleaching; this movement makes a great demand on the science of dyeing. Auxiliaries, dyes and dye intermediates play a vital role in textile processing industries. The manufacture and use of dyes is an important part of modern technology. Because of the variety of materials that must be dyed in a complete spectrum of hues, manufacturer now offer many hundreds of distinctly different dyes. The major uses of dyes are in coloration of textile fibers and paper. The substrates can be grouped into two major classes-hydrophobic and hydrophilic. Hydrophilic

substances such as cotton, wool, silk, and paper are readily swollen by water making access of the day to substrate relatively easy. On other hand hydrophobic fibers, synthetic polyesters, acrylics, polyamides and polyolefin fibers are not readily swollen by water hence, higher application temperatures and smaller molecules are generally required. Dye, are classified according to the application method. Some of the examples of dyes are acid dyes, basic or cationic dyes, direct dyes, sulfur dyes, vat dyes, reactive dyes, mordant dyes etc. Colorants and auxiliaries will remain the biggest product segment, while

faster gains will be seen in finishing chemicals. World demand for dyes and organic pigments is forecast to increase 3.9 percent per year through 2013, in line with real gains in manufacturing activity. Volume demand will grow 3.5 percent annually. While the textile industry will remain the largest consumer of dyes and organic pigments, faster growth is expected in other markets such as printing inks, paint and coatings, and plastics. Market value will benefit from consumer preferences for environmentally friendly products, which will support consumption of high performance dyes and organic pigments. Some of the

fundamentals of the book are antimony and other inorganic compounds, halogenated flame retardants, phosphorous compounds, dyes and dye intermediates, textile fibers, pigment dyeing and printing, dry cleaning agents, dry cleaning detergents, acrylic ester resins, alginic acid, polyvinyl chloride, sodium carboxy methyl cellulose, guar gum, industries using guar gum, gum tragacanth, hydroxyethyl cellulose, polyethylene glycol, industries using polyethylene glycols, etc. The book covers details of antimony and other inorganic compounds, halogenated flame retardants, silicone oils, solvents, dyes and

dye intermediates, dry cleaning agents, different types of gums used in textile industries, starch, flame retardants for textile and many more. This is very resourceful book for new entrepreneurs, technologists, research scholars and technical institutions related to textile.

The Chemical Technology of Textile Fibres - Georg von Georgievics 1902

PREFACE: IN the present volume, dealing with the Chemical Technology of the Textile Fibres except as concerns the dye-stuffs, which will be treated in a separate work, the author has been obliged to con- dense the available matter as much as

possible, in order to preserve the form of a text-book. Nevertheless, it seemed necessary, in certain cases, in the interests of the book, to give definite data and an exact description of individual processes. In such instances the details have been gathered exclusively either from the authors personal experience or from reliable sources. The most important part of the book is the chapter treating of dyeing, whilst, on the other hand, the subject of printing had to be dealt with in a more general fashion, the materials being less suitable for treatment in text-book style. The author thinks it desirable to point out that in the

present work an attempt has been made to completely separate the chemical and mechanical technology of the subject, a standpoint he considers justified by the extensive area occupied by each of these branches. Hence only a few sketches of apparatus have been given and the methods of dressing the finished goods have been described very briefly, since they almost entirely belong to the domain of mechanical technology. ...GEOEG VON GEOEGIEVICS. Artificial Fibres . Mineral, . Vegetable Cellulose..... Cotton Bombax Cotton Vegetable Silk Flax .- Hemp

Jute Ramie, Rhea, China	Washing and Bleaching Wool ...
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Textile Fabrics and Their
 Preparation for Dyeing - Paul N.
 Hasluck 2020-12-01
 First published in 1906, this
 book contains a classic guide to

textiles, dealing specifically with
 various different fabrics and
 how they should be prepared
 and dyed. Written in simple,
 clear language and full of
 helpful illustrations and
 diagrams, “Textile Fabrics and
 Their Preparation for Dyeing” is
 perfect for textile novices and
 DIY enthusiasts, and it would
 make for a wonderful addition to
 collections of related literature.
 Paul Nooncree Hasluck (1854 –
 1916) was an Australian
 engineer and editor. He was a
 master of technical writing and
 father of the 'do-it-yourself'
 book, producing many books on
 subjects including engineering,
 handicrafts, woodwork, and
 more. Other notable works by

this author include: “Treatise on the Tools Employed in the Art of Turning” (1881), “The Wrath-Jobber’s Handy Book” (1887), and “Screw-Threads and Methods of Producing Them” (1887). Many vintage books such as this are increasingly scarce and expensive. It is with this in mind that we are republishing this volume now in an affordable, modern, high-quality edition complete with a specially-commissioned new biography of the author.

Fundamentals and Practices in Colouration of Textiles - J N

Chakraborty 2015-05-05

This is a comprehensive book that imparts technological skills about the colouration of textiles.

It discusses academic as well as shop-floor aspects of colouration. It also covers eco-friendly enzymatic processing and differential coloured effects.

Textile Fabrics and their Preparation for Dyeing. With numerous engravings and diagrams ... New and revised edition. (Revised and brought up to date by A. R. Foster.) Edited by P. N. Hasluck - John James HUMMEL 1906

Textile Wet Processing - College of Commerce and Industry 1992

The Chemical Technology of Textile Fibres - Georgh Von Georgievics 2017-11-22

Excerpt from The Chemical Technology of Textile Fibres: Their Origin, Structure, Preparation, Washing, Bleaching, Dyeing, Printing and Dressing; And Dressing IN the present volume, dealing with the Chemical Technology of the Textile Fibres (except as concerns the dye-stuffs, Which Will be treated in a separate work), the author has been obliged to con dense the available matter as much as possible, in order to preserve the form of a text-book. 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.

Textile Processing and Properties - Tyrone L. Vigo
1994

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,

theor.

Textile Dyeing and Coloration -

J. Richard Aspland 1997

"This book is the final integration of a series of 24 papers [...] which were published in Textile Chemist and Colorist between October 1991 and November 1993"--
Preface.

Textile Fabrics and Their Preparation for Dyeing - Foster

A R 2015-08-13

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preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Natural Dyes for Textiles -

Padma Shree Vankar

2017-06-12

Natural Dyes for Textiles: Sources, Chemistry and Applications is an in-depth guide to natural dyes, offering complete and practical coverage of the whole dyeing process from source selection to post-treatments. The book identifies plants with high dye content that are viable for

commercial use, and provides valuable quantitative information regarding extraction and fastness properties, to aid dye selection. The book presents newer natural dyes in detail, according to their suitability for cotton fabrics, silk fabrics, and wool yarn, before describing the application of each dye.

Extraction of plant parts for isolation of colorants, chromatographic techniques for separation, spectroscopic analysis of the isolated colorants, structure elucidation, biomordanting, pretreatments, and post-treatments, are also covered. Prepared by an expert author with many years of experience in researching and

writing on natural textile dyes, this book is an important resource for academic researchers, post-graduate students, textile manufacturers, technicians, dye practitioners, and those involved in textile dye research and development.

Written by an expert author with many years of experience in researching and writing on natural textile dyes Provides quantitative information about extraction and fastness properties that will be valuable to those involved in dye selection Offers complete and practical coverage of the whole dyeing process from source selection to post-treatments

The Chemical Technology of

*Textile Fibres, Their Origin,
Structure, Preparation,
Washing, Bleaching, Dyeing,
Printing and Dressing* - Charles
Thomas Colley Salter

2018-11-08

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**Natural Dyes for Sustainable
Textiles** - Padma Shree Vankar
2022-08-15

Natural Dyes for Sustainable
Textiles describes how
manufacturing processes that
are safer, more energy efficient,

and more sustainable can be achieved through the use of natural dyes. There are three main elements of sustainability, they are: economic, social, and environmental, and natural dyes can make a positive contribution to all three. A number of the textile industry's largest producers have adopted natural dyes as part of their bid to make their products more sustainable, in response to consumer demand as well as their own consciousness of environmental issues. This unique book draws on the latest research to provide practical technical advice on safer and greener processing of fabric, minimizing the use of

hazardous chemical dyes.

Details of preparation methods at stages including wet processing, dyeing, and effluent management are provided with specific information on how the methods improve efficiency, as well as other advantages and limitations of each technology.

Provides case studies of how to switch from synthetic to natural dyes, and what benefits

resulted in real life Describes a practical chemical management

system, which involves natural

dyes Examines use of high-tech

methods such as plasma and electron beam in textile surface modification

The Textile Industries - William S. Murphy 1910

*The Chemical Technology of
Textile Fibres* - Georg Von

Georgievics 2015-02-08

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Textile Dyeing - Kate Broughton
1995

Inspiration and easy-to-follow instruction for creating dyed fabrics in a variety of patterns, textures and colors.

Eco-Friendly Textile Dyeing and Finishing - Jamshed A Khan
2016-04-01

Years of human ignorance has diminished our natural resources and aged our planet. Now, people are making an effort to change the way they are treating the planet. Being more environmentally conscious about the impact materials used for fashion have on our planet is one-way designers can reduce waste and help enable a better world. By going eco-friendly can be less harmful to our natural resources. Not all

fashion is following this eco-friendly trend, but more designers are embracing the trend toward eco-fashion than ever before. If the entire fashion industry became eco-friendly, it would make a huge difference for future generations because the fashion industry employs over a billion people globally. There is need for eco-friendly wet processing that is sustainable and beneficial methods. Number of sustainable practices has been implemented by various textile processing industries such as Eco- friendly bleaching; Peroxide bleaching; Eco-friendly dyeing and Printing; Low impact dyes; Natural dyes; Azo Free

dyes; Phthalates Free Printing. There are a variety of materials considered "environmentally-friendly" for a variety of reasons. The industry is desperately in the need of newer and very efficient dyeing/finishing and functional treatments of textiles. There is growing awareness and readiness to adapt new perspective on industrial upgradation of Cleaner Production Programme, such new technologies help enterprises achieve green production and cost reduction at the same time. Green Production has become necessary for enterprises under the upgrade and transformation

policy. The book Eco-Friendly Textile Dyeing and Finishing covers topics in the area of sustainable practices in textile dyeing and finishing.

Dyeing and Screen-Printing on Textiles - Joanna Kinnersly-Taylor 2012-06-01

Dyeing and Screen-Printing on Textiles is a clear, easy-to-follow guide for students as well as accomplished artists and designers who wish to expand their knowledge of a range of fascinating techniques. Joanna Kinnersly-Taylor covers all the key processes used in creating dyed and screen-printed fabrics using a range of synthetic dyes. This comprehensive guide includes recipes for cloth

preparation, dyeing and printing, fixation, designing a repeat, and preparing imagery and screens for exposure. Also included is advice on equipment needed for setting up a studio and safe working practice. The step-by-step instructions are accompanied by inspirational images of works by practitioners from around the world. This new edition of *Dyeing and Screen-Printing on Textiles* has been fully updated, and features brand new colour illustrations.

Textile Soaps and Oils - George Henry Hurst 1904

Pretreatment of Textile

Substrates - Mathews

Kolanjikombil 2019-01-30

Discusses the preparation and bleaching of textile fabrics for the dyeing and printing of all commonly-used fibres in textile industry including cotton, viscose, linen, wool, silk, polyamide, polyester, elastane, acrylic and their blends in both woven and knitted forms. In each case, theory behind the process, functions of the chemicals and auxiliaries used in the process, guideline recipes, notes on precautions and care to be taken to achieve best results are given. Detailed explanation of all batch wise, semi-continuous and continuous process are provided in this book which will be very helpful for both students and textile

processors. A separate chapter is also included on bio-preparation.

Textile Fabrics and Their Preparation for Dyeing - John James Hummel 1906

Textile Fabrics and Their Preparation for Dyeing - J. J. (John James) Hummel 2014-02

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The Chemistry of Synthetic Dyes V6 - K Venkataraman 2012-12-02

The Chemistry of Synthetic Dyes, Volume VI: Reactive Dyes is devoted solely to the reactive dyes, emphasizing their outstanding technical importance and development. This compilation is divided into three chapters. Chapter I focuses on the reactive group,

while Chapter II describes the methods of preparation of typical and technically important reactive dyes. The technology and basic chemistry of the application of reactive dyes to textile fibers are covered in the last chapter. This compilation specifically discusses the reactive groups bound to the colorant, synthesis of reactive dyes, and establishment of the dye-fiber linkage. This volume is intended primarily for organic chemists and technologists concerned with the synthesis of dyes and their applications.

Textile Preparation and Dyeing -

A K Roy Choudhury 2006-01-09

Dealing with the classical processes for textile dyeing, as well as with the preparation of the material before dyeing, this book also includes recent technological developments.

Both theoretical and the practical aspects are covered in order to enable the students and the technicians to understand the processes clearly.

Dyeing of Woollen Fabrics -

Franklin Beech 1902