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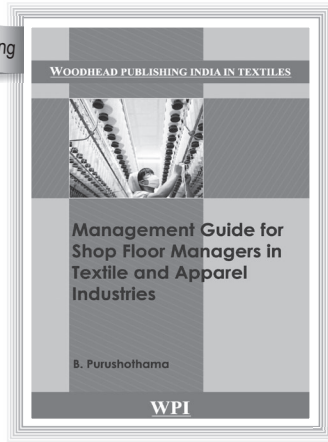
Forthcoming



Management Guide for Shop Floor Managers in Textile and Apparel Industries

B. Purushothama

This book aims to guide the shop floor technicians with basic management techniques which they need to understand and implement which helps the organizations in improving their productivity and quality while controlling the costs, and also helps the shop floor technicians to grow to the level of CEO in due course.

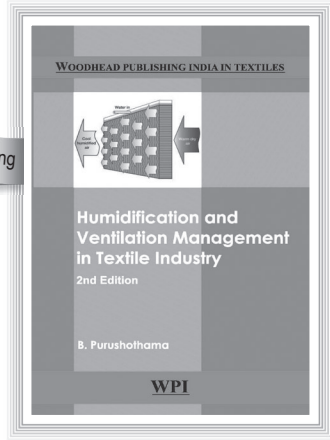
B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honored by awarding "TAI Ratna" by The Textile Association (India) during their Platinum Jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences.

₹ TBA | N/A | 2020 | HB | 450-500 pages approx.

Humidification and Ventilation Management in Textile Industry

2nd Edition

Forthcoming



B. Purushothama

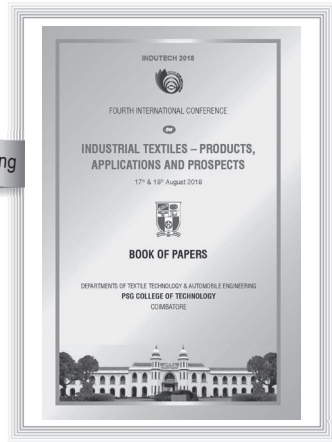
The book provides information starting from the basic concepts, developments, varying needs of the industry, the problems associated with maintenance of plants to get the required conditions, designing of plant capacity, modification or designing of building to get the best results, various issues of health and hygiene, the pollution control issues, various models available in the market, etc. Although this book was written by keeping textile technicians in mind, the use of air conditioning and humidification examples of other industries are also given as a comparison and for easy understanding of the concepts.

B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honored by awarding "TAI Ratna" by The Textile Association (India) during their Platinum Jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences.

₹ TBA | 978-93-85059-47-6 | 2020 | HB | 500-600 pages approx.

Industrial Textiles – Products, Applications and Prospects

Forthcoming



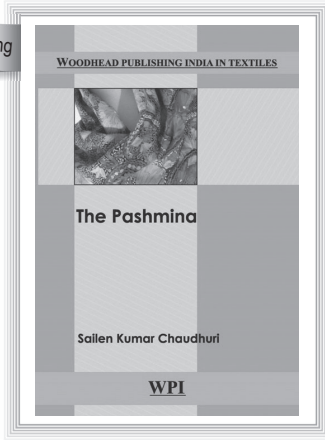
G. Thilagavathi,
S. Periyasamy

This book contains 17 high quality chapters on the subjects of Filtration Textiles and Composites, Performance Textiles, Functional and Home Textiles, Medical and Health Care Textiles, Antimicrobial Textiles, Absorptive Textiles, Comfort and Moisture Management, and Innovations in Dyeing. This book will be useful to those who are interested in pursuing their research and business in the area of Industrial Textiles and contribute to the growth of Industrial Textiles.

₹ TBA | 978-93-88320-15-3 | 2020 | HB | 208 pages approx.

The Pashmina

Forthcoming



Sailen Kumar Chaudhuri

This book gives the reader a picture covering the Pashmina Industry and trade. This book traces the early and modern history of Pashmina, along with its production and processing, innovations and future scope.

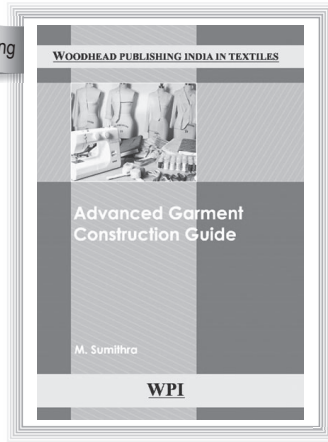
This book will provide the reader with adequate information about the Pashmina Fibre.

Dr. Sailen Kumar Chaudhuri obtained his M.Tech degree in textile technology from IIT Delhi with distinction. He did his Ph.D from University of Manchester, UK. His subject of specialisation is wool and animal fibres. He is currently the Vice-Chairman (Global) and fellow of the textile institute, Manchester, along with a parallel responsibility of the Indian National Office, Textile Institute, Manchester. He was the former Regional director, India and south-east Asia in the Woolmark company for 26 years. His contribution in the growth and development of Indian wool textile industry is immense. He is awarded by The Indian Woollen Mill's Federation in 1999 for his outstanding services for development of wool industry in India. For his outstanding contribution for the national development, he is awarded by IIT Delhi Alumni association in 2014. In 2014 same year, he also received an international award "Institute Medal" from the Textile Institute, Manchester, for his contribution in International development of textile industry and trade in general.

₹ N/A | 978-93-88320-21-4 | 2020 | HB | 144 pages.

Advance Garment Construction Guide

Forthcoming



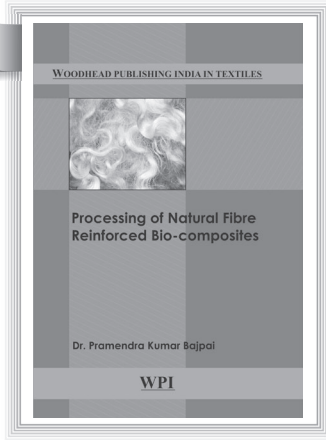
M. Sumithra

This book presents practical working directions for the construction of clothing. This is a perfect book for those who want to make their own clothing for style and fit .The entire process of Garment construction, including a section on Measurement, Material requirement, Information on working with patterns and construction details with illustration and cost calculation are mentioned in this book. This book covers chapters on recent fashion wear, specialized work wear, fashion show garments, need based garment and garment accessory making.

₹ TBA | 978-81-93644-64-5 | 2020 | HB | 210-230 pages approx.

Processing of Natural Fibre Reinforced Bio-composites

New



Dr. Pramendra Kumar Bajpai

Bio-composites have seen a gradual grow in recent years over conventional polymer composites due to the fact that these are lesser or non-harmful to the environment depending on its constituents. This book covers various dimensions of bio-composites. This book includes discussion on constituents of bio-composites, fabrication techniques, application, characterization and other aspects.

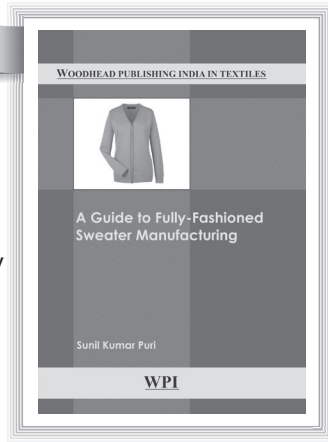
The book covers various aspects in the field of research and development of bio-composites. The book is supportive for researchers, technologist and academicians working in the field of bio-composites.The editor would like to express his gratitude to all the authors who have contributed valuable content in the form of chapters to this book.

Dr. Pramendra Kumar Bajpai is an Assistant Professor in the Division of Manufacturing Processes and Automation Engineering, at Netaji Subhas University of Technology, New Delhi. India. He earned his Ph.D. degree from Department of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee, India. His area of research includes processing of polymer composites and green composites, machining aspects of composites, FEM modeling of composites etc. He has published several research articles in various journal of repute and contributed many book chapters in edited book of various renowned publishers.

₹ 2995 | 978-93-88320-08-5 | 2020 | HB | 212 pages.

A Guide to Fully Fashioned Sweater Manufacturing

New



Sunil Kumar Puri

This book is an attempt to make the reader clearly understand the theory, the technique and the fundamental rules for making a perfect fit flatbed knitted garment using fully fashion technique. It is an attempt to transform the empirical knowledge of pattern drafting of fully fashion flat knit garments into a methodical procedure. The means are slightly different in approach and perspective and use more refined techniques while the end remains the same. The methods described in the book will enable the reader to knit garments with a better fit, adopt a method which can be repeated without any modifications.

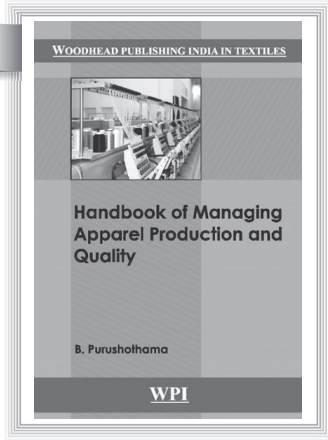
Sunil Kumar Puri, C Text, FTI, is a qualified Textile Technologist with B. Text Specializing in Spinning and an M.Sc in Total Quality Management. A lead Auditor from BSI, he has worked as a concultant and advisor to many knitwear companies in India Nepal and Bangladesh as Technical Director, Mentor and Project Director, for Marketing, Production Control, TQM and Product Development. He has to his credit the introduction and sale of a first computerised flat bed knitting machine in India.

His varied experience in the field of education ranges from writing mannuals and grading methods for knitting and sewing machine operators & Fully Fashioned Woollen Garment Manufacturing to many Dissertations & Publications in journals like The Knitting International, ATA Journal China Textile Journal and many national magazines. His contribution to the academic sector, not just includes being an academic advisor of a fashion institute in collaboration with the Pearl Academy of Fashion but also leading one as an executive director. He has also authored a book "Introduction to Retail Math" with case studies on Garment Retailing.

₹ 3195 | 978-93-88320-17-7 | 2020 | HB | 242 pages.

Handbook on Managing Apparel Production and Quality

New



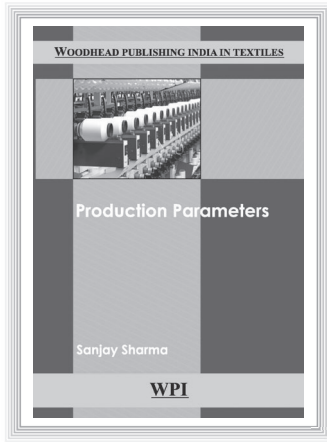
B. Purushothama

The garment industry which was restricted to small scale for a long time has now a number of big factories and has grown as a major industry providing jobs for millions in various developing and developed countries. Only by building a big factory with automated systems is not sufficient to survive, but there is a need for developing a suitable culture for managing the industry efficiently with scientific and analytical approaches. The concepts of Merchandising, Production Planning, Industrial Engineering, Production Management, Waste Management, Quality Management, Five S, Kanban, Cost Management etc., are being talked, but people in number of garment factories only know the titles and not implemented the systems wholeheartedly; whereas other industries are flourishing by adopting them effectively. The owners and management in garment industry are happy when they made profit, but have no inclination for making the systems fool-proof to avoid sliding down. It is necessary for the shop floor technicians and managers to understand the new concepts and tailor make them to their situation and implement in their daily working. This book gives a brief insight of various management systems, and the way same is adopted in garment industry.

B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honored by awarding "TAIRatna" by The Textile Association (India) during their Platinum Jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences, and also has written numerous social books in Kannada. The total books written by him cross over one hundred.

₹ 4495 | 978-81-93644-66-9 | 2019 | HB | 520 pages.

Production Parameters



Dr. Sanjay Sharma

This book on "Production Parameters" covers a good understanding of various parameters/ factors involved in the analysis of production/ manufacturing. Several examples are explained considering each parameter separately. Additionally some of the salient features are as follows:

– All the production parameters, their estimation and effects are covered for the first time

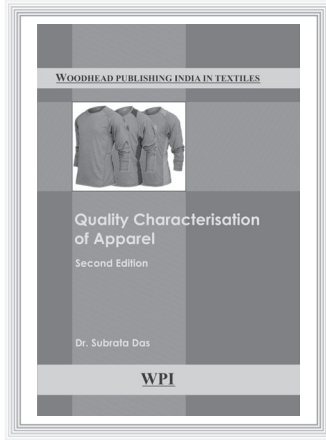
– Useful for engineers/professionals/M.Tech./MBA students interested in batch production/manufacturing scenario

Dr. Sanjay Sharma is Professor at National Institute of Industrial Engineering (NITIE), Mumbai, India. He is industrial engineering and operations management educator and researcher. He has three decades' experience including industrial, managerial, teaching/training, consultancy and research; also many awards/ honours to his credit. He has published five books and papers in various journals such as European Journal of Operational Research, International Journal of Production Economics, Computers & Operations Research, International Journal of Advanced Manufacturing Technology, Journal of the Operational Research Society, and Computers and Industrial Engineering. He is also a reviewer for several international journals; also on the editorial board of few journals including International Journal of Logistics Management (an Emerald Journal).

₹ 2995 | 978-93-88320-05-4 | 2019 | HB | 208 pages.

Quality Characterisation of Apparel

2nd Edition



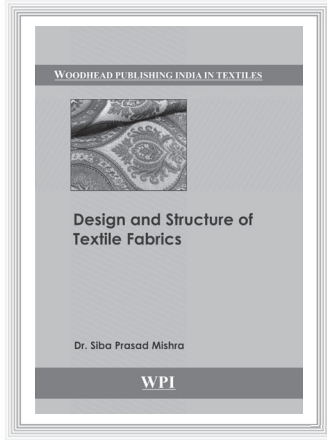
Dr. Subrata Das

Quality characterisation of apparel entails dimensional and colour fastness properties, durability and surface appearance of apparels along with mandatory regulation on flammability, fibre composition and care labels. Safety issues for different accessories in children garment and safety review of typical garments have been thoroughly covered in this book. The first edition of the book was published by Woodhead Publishing India in the year 2009. In the second edition, new chapter have been introduced on characteristion of varieties of washed denim fabrics. Quality characterisation of different finished leather and performance requirements of different leather and suede garments have also been added to the second edition of the book for a wider coverage of the area of quality characterisation of apparels. The novelty of this book is the way the topics are arranged on actual practical way in which apparel manufacturing units, buying offices and retailers are facing day-to-day challenges in different activities in their business. This will help the apparel business community to avoid quality related surprises and cut down rejections. The book would be of immense use for textile/ garment manufacturers, buying offices, retailers and the educational cluster of apparel/fashion.

Dr. Subrata Das has a graduation degree in textile Technology from Government College of Engineering and Textile Technology, Serampore, West Bengal, India. He has Masters and PhD degree from I.I.T., Delhi, India. He has over 30 years of experience in production, quality assurance, technical and social compliance audit, R&D in reputed industries in India and Bangladesh and teaching. He has published 67 research papers in peer reviewed journals and has 62 technical papers in national and international journals. He has written 6 international books on apparel, home textiles, product safety and silk reeling. He is an empanelled assessor for ISO/IEC 17025 auditing under NABL and is a Technical Expert in GOTS and OCS audit under NABCB, Govt of India. He is working as a Professor (Fashion Technology), Bannari Amman Institute of Technology, Sathyamangalam, Erode District, Tamil Nadu, India for the last 3 years.

₹ 2995 | 978-93-88320-10-8 | 2019 | HB | 280 pages.

Design and Structure of Textile Fabrics



Dr. Siba Prasad Mishra

Design is the creative invention to produce anything and everything. Textile design is essentially the process of creating designs for fabrics and it might be woven, knitted or printed fabrics or surface ornamentation. Textiles are basically made to be decorative and are used to embellish and decorate both people and objects. The requisite structure of the fabric as well as its ornamentation, i.e., the desired design is responsible to create the desired product. Textile Designers with their knowledge, skill and creativity are responsible to produce appropriate and feasible designs for different end products with diversified application. However, there is at present no fundamental and down to earth book to deal with all aspects of textile design including primary, advanced or allied designs. With this background, the present book in a comprehensive way is written by the author with his experience. Different aspects of fabric structure and textile design are dealt here. This will be useful for all who dealt with textile design.

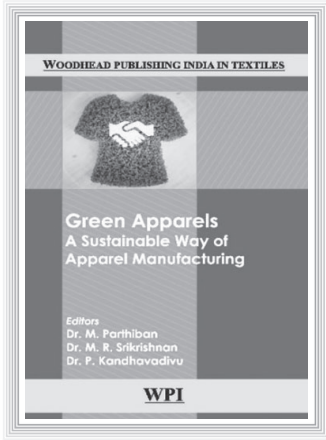
Dr. S. P. Mishra is a distinguished academician in the area of fibre, fabric and fashion. He did his B.Sc (Tech) from Calcutta University, M. Tech and Ph.D from IIT Delhi and MBA from PTU Jalandhar. He has more than four decades of experience in various capacities in IITs, universities, engineering colleges, research institutes and industries. He has contributed more than two hundred research papers and reviewed papers in different International, National journals, seminars, and conferences. He has guided more than seventy projects leading to Master Degree and three projects for Ph.D.

He has contributed thirteen books related to Fibres, Colouration, Fashion, and Entrepreneurship and few are in the pipeline. The Institution of Engineers (India) felicitated him in recognition for his valuable contribution in the field of Textile Engineering as an 'Eminent Engineering Personality' in 2017.

₹ 4495 | 978-93-88320-12-2 | 2019 | HB | 312 pages.

Green Apparels

M. Parthiban, M. R. Srikrishnan, P. Kandhavadivu



This book provides the concept of developing environment friendly and sustainable clothing for the future. The book focuses on the legal regulations, ecological considerations, and different standards recommended by various countries and certifying agencies. It also speaks about the characterization of environment friendly apparel products and the concepts related to the development of earth positive apparels. The book also discusses about the cleaner production technologies for future dwells on novel technological aspects related to wet processing industry.

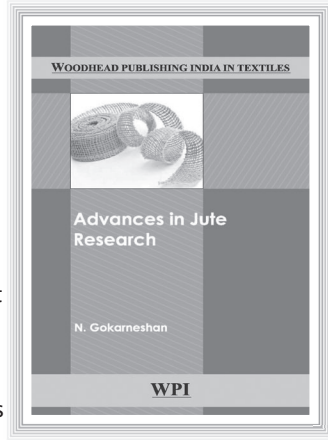
Dr. M. Parthiban is an Assistant Professor (SG) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, Tamil Nadu, India. He has published 36 articles in National and 18 in International Journals and has presented 11 papers in National and 8 in International Conferences. He has delivered special lectures in various AICTE/FDP programmes organised by other institutions. He has organized a National level technical conference & six National level workshops. He is currently authoring a book on "Apparel Finishing and Clothing Care" for Woodhead Publishing India. His area of specialization includes Textile Finishing, Green Processing of Textiles, Functional Apparels & Denim Garment Manufacturing.

Dr. M. R. Srikrishnan is an Assistant Professor (Sr.Gr) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, Tamil Nadu, India. India has published 17 articles in National and 14 in International Journals to his credit. His area of specialization is Clothing Science and Comfort, Visual Merchandising, Fibre Science and Textile Testing, Textile chemical processing and functional apparels and Home textiles, yarn technology, Nonwovens and Technical Textiles. He has fabricated three textile-testing instruments for yarns exclusively for research during his doctoral research. He has filed three Patents based on his instruments to Indian patent office Chennai. He has presented research papers in the International conferences organised by Department of Textile Technology, IIT Delhi and PSG.

Dr. P. Kandhavadivu is the Professor and Head of the Department of Fashion Technology, PSG College of Technology, Coimbatore, Tamil Nadu, India. She has published around 29 technical research papers in International and 12 research papers in National journals and presented 24 technical papers in National and International level Technical Conferences. She is currently guiding two PhD scholars and Members in Board of Studies of various institutions. Her area of specialization includes Pattern Engineering, Draping Techniques, Leather Garment Manufacturing, Clothing Comfort and Hospital textiles.

₹ 2995 | 978-93-85059-51-3 | 2019 | HB | 236 pages.

Advances in Jute Research



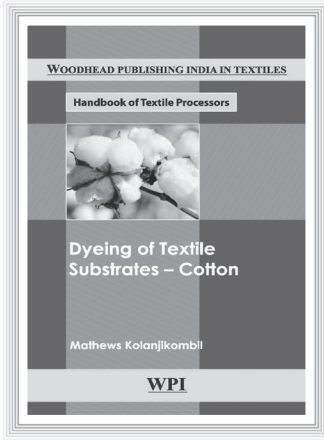
N. Gokarneshan

This book comprehensively reviews significant researches in the area of Jute. For over the years jute fibre had limited areas of application. But researches over the past decade have proved that newer areas of applications are possible.
One interesting aspect of jute research is that India has made major contributions in the area, and more particularly West Bengal. The properties of jute fibre have been well investigated and exploited during recent years.

Dr. N. Gokarneshan was born in the year 1964. He got his degree in textile engineering from Karnataka University, post-graduation from Bangalore University, and doctorate from Anna University. He had a stint of about 8 years in textile industry and remaining years in teaching. He has published more than 100 papers including a number of scholarly reviews in various leading journals and presented some papers in conferences. He has authored 9 books. He has also completed some sponsored projects. He is recipient of a number of recognitions and rewards for his contributions in the field. He is presently working as professor and head at the Park College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

₹ 3995 | 978-93-85059-45-2 | 2019 | HB | 297 pages.

Handbook of Textile Processors Series



Dyeing of Textile Substrates I – Cotton

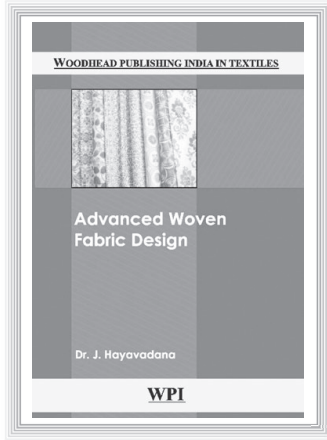
Mathews Kolanjikombil

This book deals on cotton dyeing which is the most common substrate in textile industry. This book gives a short treatise on all the dyes used in textile industry and detailed theory and classification of all the dyes used in cotton dyeing. All the dyeing process whether batch wise, semi-continuous or continuous processes are explained in detail but in simple manner so as anybody in the textile processing shop floor can follow the processes, understanding the theory behind each which will help him to achieve targeted results easily. Guideline recipes and the precautions to be taken and explanations as notes has been given . The book also can be used by students who want to understand how the practical processes have been designed, with the background of the theories he has learned.

Mathews Kolanjikombil is a BSc in Chemistry and a BSc (Tech) in textile chemistry from Bombay University of Chemical Technology (BUDCT), now known as ICT (Institute of Chemical Technology). He is an expert Textile Chemist, having more than 40 years wide experience in India and a broad in both woven and knitted processing. He has served in various positions in Binny Ltd., Ram Kumar Mills Ltd., Shahi Exports Ltd. (India), Thika Cloth Mills (Kenya). He has been the head of many new projects like Kuruvita Manchester Textile Mills Ltd. (Sri Lanka), Robin tex Ltd. (Bangladesh), Teak tex Ltd. (Kerala, India), Hanung Toys and Textiles (Uttarakhand, India), Shahi Exports(P) Ltd. (Karnataka, India). After retirement, he has taken up Technical Consultancy.

₹ 4495 | 978-93-85059-46-9 | 2019 | HB | 570 pages.

Advanced Woven Fabric Design



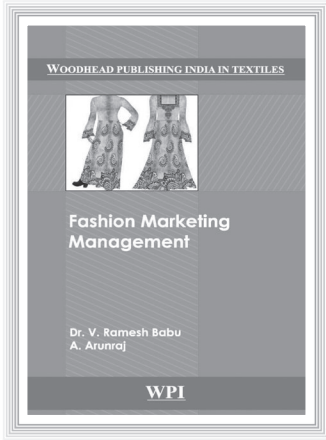
Dr. J. Hayavadana

The book deals with the aspects of Advanced Woven Fabric Design dealt in a simple manner with examples to understand and to work out also in the book itself. For the first time this facility is provided in the Advanced Woven Fabric Design . The book includes various chapters like Extra thread figuring , backed cloths , double cloths, Treble cloths, Piles, terry, Gauze and Leno etc. discussed along with necessary weaving arrangement also. The book is written in simple English with an aim of reaching a common reader .

Dr. J. Hayavadana graduated from Bangalore University in Bachelor of Textiles in the year 1985 and , Post Graduate in Textile Technology, from PSG college of Technology (Bharathiyar University) in 1994. Later he acquired Doctoral degree from Anna University under Faculty of Technology in 1997. Author has a long journey in academics , Industry and R& D tuning to a period of 30 years. During this period he has supervised a large number of thesis and was also external examiner for many PhD candidates. He has three publications from M/S Wood Heed India Publishers to his credit . Further , he has Published a number of articles in leading National journals and in International journals. In addition to reviewing the articles submitted to international journals , he also acquired special courses like MBA, Lean & Six Sigma, Personnel Management , Financial Management, Training & Development etc., to his expertise . Currently he is serving as a member of Board of studies for Indian Universities . Author has designed several Textile Testing Instruments for Textile Testing laboratory . Author has a blend of Academic , Research and Industrial work experience as he worked in Weaving preparatory section of a Textile Industry during his job career. Currently the author is working on the modifications in the Handloom design and will be filing the patents shortly.

₹ 2595 | 978-93-85059-41-4 | 2018 | HB | 210 pages.

Fashion Marketing Management



Dr. V. Ramesh Babu and A. Arunraj

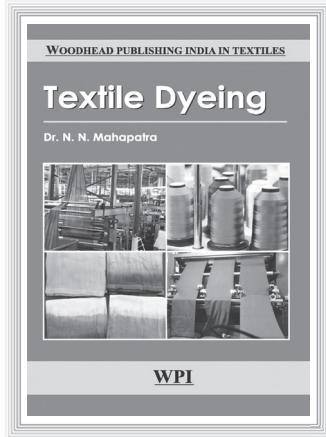
This book focuses on the Fashion, Apparel and Retail Merchandising and the first chapter starts with an Introduction to apparel business, second chapter deals with marketing, third chapter is on Fashion Merchandising and fourth explains Apparel Merchandising fifth elaborate on Retail Merchandising sixth discuss sourcing seventh elaborates on garment costing and last chapter is procedures for export and documentation. This book is very useful for all textile and Fashion students of undergraduates, postgraduatecourses, and polytechnics. It shows the guideline and basics to the students about the activities of marketing and merchandising in apparel industry.

Dr. V. Ramesh Babu is an Associate Professor, Department of Textile Technology, Kumaraguru College of Technology, Coimbatore, Tamil Nadu, India. He has 10 years of Industrial Experience in Garment Field in various domains such as Industrial Engineer, Merchandising, Apparel Production and Quality etc. Presently he has 13 years of experience in engineering education teaching in the field of Textile and Apparel. He published more than 25 research papers in reputed journals and conferences. Moreover, he published books on Industrial Engineering in Apparel Production (2012) and Home Furnishing (2017) with Woodhead Publishing India.

Mr. A. Arunraj is an Assistant Professor, Department of Textile Technology, Kumaraguru College of Technology, Coimbatore, Tamil Nadu, India. He has industrial experience in Garment filed as merchandiser. Presently he has 8 years of experience in engineering education teaching filed of Textile Technology. He published more than 5 research papers in reputed journals and conferences.

₹ 2995 | 978-93-85059-49-0 | 2018 | HB | 286 pages.

Textile Dyeing



N. N. Mahapatra

The book contains the industrial experience of 25 years working in various dye house of corporate production houses in India and abroad by the author. It deals in details the various types of fibre dyeing, yarn dyeing, fabric dyeing and garment dyeing with process parameters and dyeing cycle of polyester, cotton, acrylic and viscose dyeing.

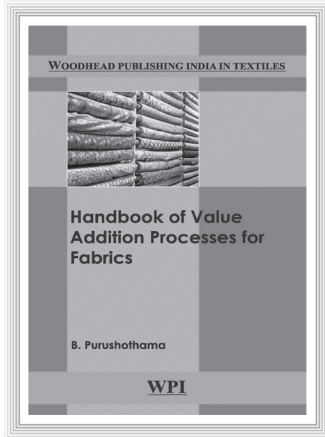
Most interesting part of the book is that you name any type of dyeing and you will get in the chapters. The main chapters are subdivided into sub chapters dealing with all the details of dyeing. Different machines used for Textile Dyeing are also included along with diagrams.

This book will be interesting for textile degree and diploma students and researchers and supervisors and dyeing head working in various industries. The language used is very simple and easy to grasp.

Dr. N. N. Mahapatra has over 30 years of experience in textile industry in India and abroad. He has worked with several popular textile houses like Birla, Reliance, Raymond (Kenya), etc. In the year 2007, he was awarded C Col FSDC (UK) and C Text F.T.I. (Manchester). In the year 2008, he was awarded the F.T.A. from the Textile Association of India and F.I.C. from the Institution of Chemists, Kolkata. In the year 2009, he was awarded the F.I.E. from the Institution of Engineers (India). He has implemented many new technologies that have given benefits to the textile industries. He is a senior member of American Association of Textile Chemists and Colorists, and The Fibre Society (USA). Presently he is working as Vice-President, Business Development, Colorant Ltd, Ahmadabad.

₹ 2595 | 978-93-85059-26-1 | 2018 | HB | 180 pages.

Handbook of Value Addition Processes for Fabrics



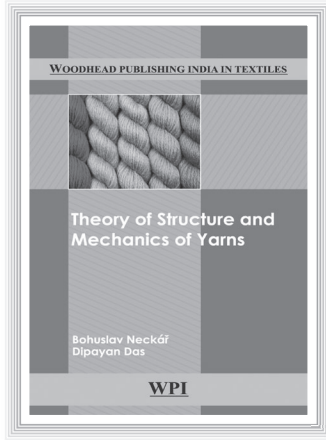
B. Purushothama

This book is aimed mainly to guide the new entrants in the textile field, who would like to supervise the processes and manage them. The chemicals and chemical reactions are not discussed in this book as the process parameters and the chemicals used vary depending on the processes which needs to be decided by the senior technical person in the section considering the fabric in use, the effect required, the machinery and chemicals available. This book gives general guidelines that are applicable for all which can be used as a guide for training technical staff. It is not possible to list all the value addition processes practiced world over in one book, and hence, an attempt is made to collect details of some of the commonly practiced value addition processes, especially for apparel purposes. The functional treatments given for various technical textiles like medical textiles, protective textiles, industrial textiles, aggrotech materials, geotextiles, and sport tech and so on are not covered in this book.

B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He washonored by awarding "TAI Ratna" by The Textile Association (India) during their Platinum Jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences.

₹ 4195 | 978-93-85059-44-5 | 2018 | HB | 484 pages.

Theory of Structure and Mechanics of Yarns



Bohuslav Neckář and Dipayan Das

The book entitled "Theory of Structure and Mechanics of Yarns" represents a system of theoretically derived inherent laws of a special type of fibrous assembly, known as yarn. Structural approach has been the basis of this book. Each chapter of this book is started with definitions, terminologies and fundamental relations. Then the theoretical models are presented namely from the initial assumptions through the mathematical derivation to the final relations. Such theoretical results are mostly compared with the experimental results. The topics on yarns include count, twist and diameter, number of fibers in cross-section, retraction and saturated twist, fibre helix, fiber migration, mass unevenness, hairiness, strength, fiber slippage, etc.

Prof. Ing. Bohuslav Neckář, Dr. Sc. is currently working as a Professor in the Department of Textile Technology of Faculty of Textile Engineering of Technical University of Liberec (TU Liberec), Czech Republic. He received PhD from TU Liberec in 1976. This was followed by position as a researcher at State Textile Research Institute, Liberec. He then joined TU Liberec as Associate Professor in 1990. He received "Doctor of Science" from TU Liberec in 1991. His research topics include Mathematical models of yarn structure and properties, Structure and structural mechanics of fibrous assemblies, and Structural models of internal geometry and mechanics of woven and knitted fabrics. He has guided over 40 theses, leading to various degrees, including PhD and MS. He is the recipient of Silver medal at TU Liberec (2010), Honorary appreciation of Council of Higher Institutions of Czech Republic (2003), and Fellow of Academy Assembly of Academy of Sciences of Czech Republic (2005).

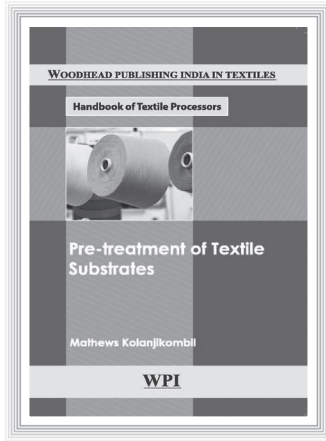
Dr. Dipayan Das is currently working as an Associate Professor in the Department of Textile Technology of Indian Institute of Technology Delhi. He received PhD from Technical University of Liberec, Czech Republic in 2005. This was followed by position as a post-doc research associate at the Nonwovens Cooperative Research Center in North Carolina State University, USA. He then joined IIT Delhi as Assistant Professor in 2008. His research interest lies in the areas of Modeling of fibrous structures and their properties, Nonwoven products and processes, and Product and process engineering using statistical and mathematical techniques. He has published two books, two monographs, and over 100 articles in scientific journals and conference proceedings. He has guided over 30 theses, leading to various degrees, including PhD, MTech and BTech. He is the recipient of Teaching Excellence Award at IIT Delhi (2017), Kusuma Trust Outstanding Young Faculty Fellowship (2008), Fiber Society Best Student Paper Award (2004), DAAD Scholarship (2001), Precitex Award (1999), DebabrataBhattachariya Memorial Prize (1998). He ranked All India First in GATE-1999 (TF) and First Class First in Bachelor of Textile Technology Program of University of Calcutta (1999).

₹ 4695 | 978-93-85059-40-7 | 2018 | HB | 730 pages.

Handbook of Textile Processors Series

Pre-treatment of Textile Substrates

Mathews Kolanjikombil



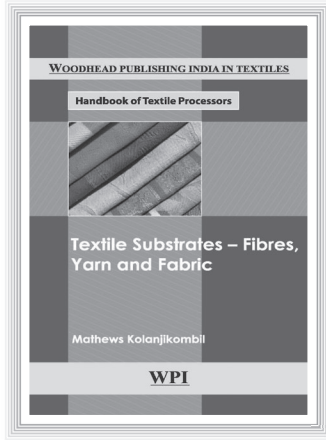
The present books covers the area of preparation and bleaching of textile fabrics for dyeing and printing of all commonly used fibres in textile industry including cotton, viscose, linen, wool, silk, polyamide, polyester, elastane, acrylic and their blends in both woven and knitted forms. In each case, 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.

Mathews Kolanjikombil is a BSc in Chemistry and a BSc (Tech) in textile chemistry from Bombay University of Chemical Technology (BUDCT), now known as ICT (Institute of Chemical Technology). He is an expert Textile Chemist, having more than 40 years wide experience in India and a broad in both woven and knitted processing. He has served in various positions in Binny Ltd., Ram Kumar Mills Ltd., Shahi Exports Ltd. (India), Thika Cloth Mills (Kenya). He has been the head of many new projects like Kuruvita Manchester Textile Mills Ltd. (Sri Lanka), Robin tex Ltd. (Bangladesh), Teak tex Ltd. (Kerala, India), Hanung Toys and Textiles (Uttarakhand, India), Shahi Exports(P) Ltd. (Karnataka, India). After retirement, he has taken up Technical Consultancy.

₹ 3995 | 978-93-85059-42-1 | 2019 | HB | 476 pages.

Handbook of Textile Processors Series

Textile Substrates – Fibres, Yarn and Fabric



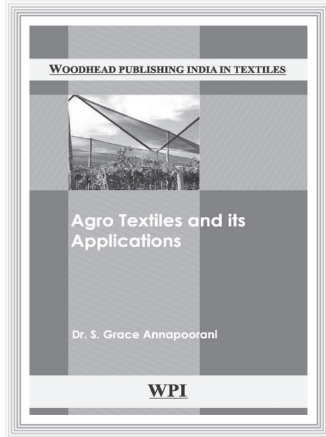
Mathews Kolanjikombil

The present book is the first in this series, which is about the different substrates used in the day to day processing. This book gives a treatise on all the common textile substrates - Natural and Synthetic fibres, yarn and fabric. It includes the chemical structure, manufacturing methods, fundamental properties, physical and chemical characteristics and uses which is very important in designing processing sequences, recipes, processing parameters. Even though the book is written with production personnel in mind, students of Textile Chemistry and Engineering can find this book useful in their academic field.

Mathews Kolanjikombil is a BSc in Chemistry and a BSc (Tech) in textile chemistry from Bombay University of Chemical Technology (BUDCT), now known as ICT (Institute of Chemical Technology). He is an expert Textile Chemist, having more than 40 years wide experience in India and a broad in both woven and knitted processing. He has served in various positions in Binny Ltd., Ram Kumar Mills Ltd., Shahi Exports Ltd. (India), Thika Cloth Mills (Kenya). He has been the head of many new projects like Kuruvita Manchester Textile Mills Ltd. (Sri Lanka), Robin tex Ltd. (Bangladesh), Teak tex Ltd. (Kerala, India), Hanung Toys and Textiles (Uttarakhand, India), Shahi Exports(P) Ltd. (Karnataka, India). After retirement, he has taken up Technical Consultancy.

₹ 4495 | 978-93-85059-37-7 | 2018 | HB | 494 pages.

Agro Textiles and its Applications



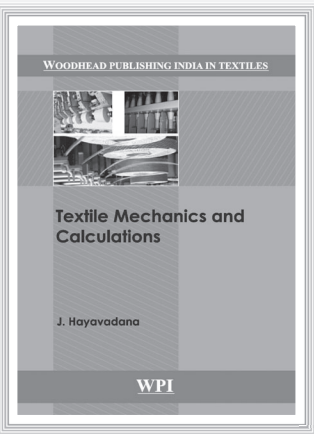
Dr. S. Grace Annapoorani

This book focuses on the Agro Textiles and its Applications. It also gives multidimensional views and solutions to the problems being faced by agro industry. This text book is designed for those needing a comprehensive and authoritative overview of Agro textile materials process and its Applications.

Dr. S. Grace Annapoorani is an Associate Professor, Department of Textiles and Apparel Design, Bharathiar University, Coimbatore, Tamil Nadu, India. She has a Doctorate in Textiles and Clothing. She is qualified with UGC NET. She has 19 years of teaching experience. She is specialized in Technical Textiles, Fashion Designing. She is the recipient of Dr. Radhakrishnan Gold Medal Award. She has presented a paper in MEDTEX 07, International Conference on Medical Textiles, University of Bolton, United Kingdom. She also visited University of Manchester, United Kingdom. She has published 4 books, nearly 50 research articles in International, National Journals, Conference Proceedings, e- journals and study materials for various universities. She has filed 2 patents in the area of textile fibers.

₹ 2695 | 978-93-85059-36-0 | 2018 | HB | 206 pages.

Textile Mechanics and Calculations



J. Hayavadana

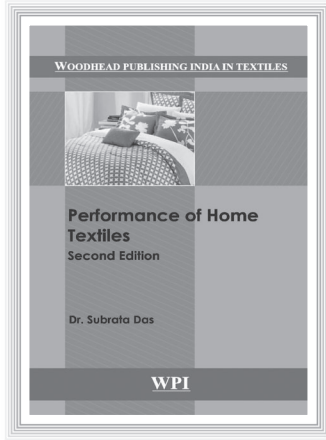
Textile Mechanics and Calculations is written with an exhaustive information on the mechanical elements used in power transmission and textile equipment and machines. For the first time, an attempt has been made to include all the theoretical data for each topic with solved numerical examples. The special feature of this book is the inclusion of a number of cams and tappets and stepped pulley construction found in engineering and textile applications.

The book also has the displacement, velocity and acceleration diagrams with textile examples. In addition to mechanics of spinning, the book also has details of mechanics of weaving process with several derivations.

Dr. J. Hayavadana is working as Professor of Technology in the Department of Technology, University College of Technology, Osmania University, Hyderabad, Telangana state. He is also Professor and Head, Department of Textile Technology in the same institute. Recently he has been awarded Six Sigma yellow belt, green belt and black belt. He is a reviewer for textile periodicals form SAGE, and guided a number of PhD students. He has published two books under Woodhead Publishing India and One book under SciTech Publishers. He has completed 29 years of teaching, research and industrial experience. His current research areas are: six sigma and lean manufacture in textile industries, surface modification of synthetics, industrial engineering and work study, design and fabrication of equipment.

₹ 4695 | 978-93-85059-05-6 | 2018 | HB | 734 pages.

Performance of Home Textiles
Second Edition



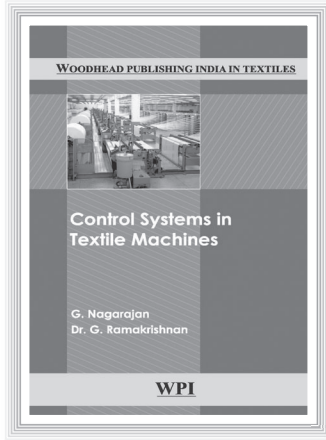
Dr. Subrata Das

The book is aimed at industry professionals, domestic and international retailers, factory owners, buying institutions, and students intended to start their career in home textile sector. Thus, the emphasis of the book is how to achieve the commercial success of desired end product through the knowledge of the key markets producing various home textiles, scope of development through sustainable and eco-friendly fibres, various industry specific standards, evaluation systems and above all safety aspects and environmental regulations.

Dr. Subrata Das is a Scientist "D", Central Silk Technological Research Institute, Central Silk Board, India. Till date, he has published hundreds of technical articles in reputed national and international journals and presented more than 20 technical papers in various national and international conferences.

₹ 3495 | 978-93-85059-31-5 | 2018 | HB | 342 pages.

Control Systems for Textile Machines



G. Nagarajan and Dr. G. Ramakrishnan

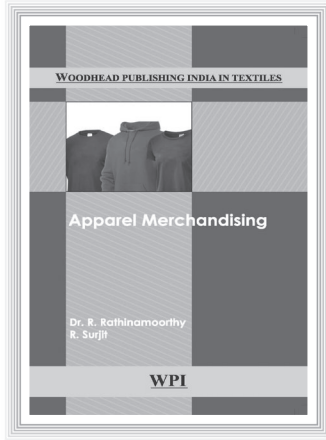
This book provides the basic as well as advanced knowledge of "Control systems for Textile Machines". Basic concepts underlying the electronic controls have been dealt with by the authors in a simple and comprehensive manner considering the requirements of undergraduate and postgraduate students. Besides the academic requirements, this book will also be valuable for budding textile engineers. The authors have meticulously planned the chapters and have covered every relevant topic in a very systematic way. Sufficient examples have been given wherever necessary with clear diagrammatic illustrations. The amalgamation of experiences of industry and academia has helped the authors to write the book in a well-defined manner. The book will be well received by the Textile academia and Industry.

G. Nagarajan has around 23 years of experience in the spinning mills of repute in North India in production, maintenance, and in Quality Assurance department as General Manager (Technical) in Bangladesh. He has worked in The South India Textile Research Organization (SITRA) in the spinning division for 5 years. At present, he is associated with Aksum University Axum, Ethiopia as Asst. Professor in Textile Engineering Department.

Dr. G. Ramakrishnan is presently working as a Professor in the Department of Fashion Technology. Also Coordinator of KCT-TIFAC CORE, Research center of Kumaraguru College of Technology, Coimbatore. He has a total of 30 years of experience that includes 12 years in industry and 18 years in the academics. He is a recipient of Gold Medal for securing first rank in Anna University PG Degree Examinations in the year 2004. He completed his doctoral degree (Ph D in Textile Technology) from Anna University, Chennai during 2010. He has also presented more than 50 papers in National/International conferences.

₹ 3995 | 978-93-85059-30-8 | 2018 | HB | 444 pages.

Apparel Merchandising



Dr. R. Rathinamoorthy and R. Surjit

Apparel Merchandising book has been written keeping in mind the requirements of students, academicians and industry personnel with respect to the merchandising activities in an apparel company. This book discusses about the different job responsibilities of the merchandiser at the varied stages of order execution from the buyer contact to dispatch.

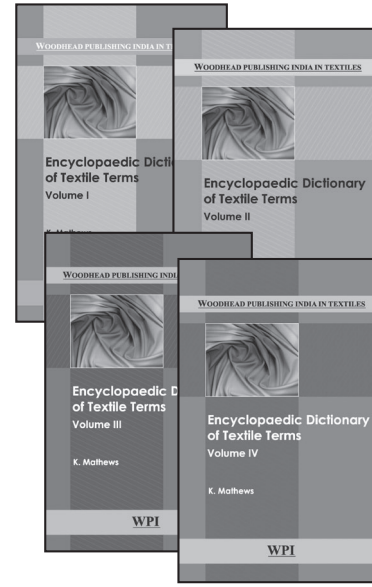
Further, the chapters also detail the different sampling procedures followed in industry to get product approval. This book will be a useful tool for all the budding technocrats, academicians and industry personnel to carry out the merchandising activities in an apparel company.

Dr. R. Rathinamoorthy is a B.Tech and M.Tech qualified textile technologist. He is currently pursuing his PhD in the area of medical textiles. He is also working as an Assistant professor (senior Grade) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India. He has seven years of teaching experience in the area of apparel industry and apparel machineries. He also has one year industrial experience as an industrial engineer. He has authored two book and five book chapters and got his articles published in 25 internationally peer reviewed journals and 20 national level reviewed journals.

Mr. R. Surjit has completed his B.Tech and M.Tech in textile technology and his MBA in operations management. He is currently pursuing his PhD in the area of fabric comfort. He is working as Assistant professor (senior grade) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India. He has 12 years of experience in the field of textiles and apparel. He has six years of teaching experience and six years of industrial experience in implementing ERP. He has authored a book, a chapter and published papers in international journals.

₹ 3695 | 978-93-85059-32-2 | 2017 | HB | 396 pages.

Encyclopaedic Dictionary of Textile Terms
(4 volume set)



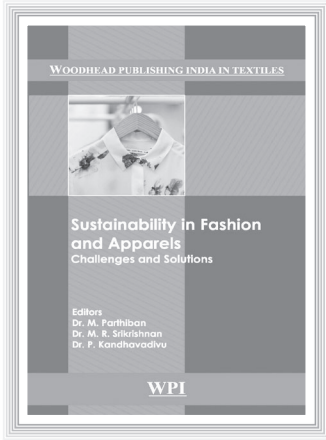
K. Mathews

Encyclopaedic Dictionary of Textile Terms is a reference dictionary with a short explanation of textile terms in spinning, weaving, processing and garmenting fields. The book is meant for all textile related personae, especially for textile students, textile processors and garmenting technicians. It will be an asset for merchandisers and buying offices for quick reference. Care has been taken to explain and include all technical terms, in short, giving all necessary points. It is a handy reference book for students as well as the faculty.

Mathews Kolanjikombil is a BSc in Chemistry and a BSc (Tech) in textile chemistry from Bombay University of Chemical Technology (BUDCT), now known as ICT (Institute of Chemical Technology). He is an expert Textile Chemist, having more than 40 years wide experience in India and abroad in both woven and knitted processing. He has served in various positions in Binny Ltd., Ram Kumar Mills Ltd., Shahi Exports Ltd. (India), Thika Cloth Mills (Kenya). He has been the head of many new projects like Kuruvita Manchester Textile Mills Ltd. (Sri Lanka), Robintex Ltd. (Bangladesh), Teaktex Ltd. (Kerala, India), Hanung Toys and Textiles (Uttarakhand, India), Shahi Exports (P) Ltd. (Karnataka, India). After retirement he has taken up Technical Consultancy.

₹ 9995 | 978-93-85059-11-7 | 2017 | HB | 1642 pages.

Sustainability in Fashion and Apparels
Challenges and Solutions



Dr. M. Parthiban, Dr. M. R. Srikrishnan, Dr. P. Kandhavadivu

This text book addresses the pathway to reach sustainability in fashion business and apparel sectors. This book contains various research papers originally contributed by different authors from various organizations who are all working towards the eco-friendly manufacturing of apparel products. The textbook provides approaches, techniques, alternative procedures/ sustainable routes to develop sustainable apparel in more environment friendly manner for the future.

The research papers discussed in this book mainly focuses on the various challenges put-forth by the apparel industry with respect to environment friendly product manufacturing and also provides solutions to achieve the same through different principles and approaches which fulfills the production, user and disposal ecological considerations. The book will be really useful for the academicians, industry personnel and mainly to the textile and apparel students and scholars who wish to explore their knowledge and innovations in the field of sustainable apparel product manufacturing and processes.

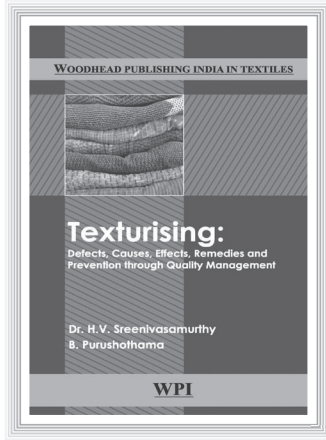
Dr. M. Parthiban is an Assistant Professor (SG) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, Tamil Nadu, India. He has published 36 articles in National and 16 in International Journals and has presented 10 papers in National and 8 in International Conferences. He has delivered special lectures in various AICTE/FDP programs organised by other institutions. He has organized a National level technical conference & 6 National level workshops. He is currently authoring a book on "Green Apparels" for Woodhead Publishing India. His area of specialization includes Textile Finishing, Green Processing of Textiles, Functional Apparels & Denim Garment Manufacturing.

Dr. M. R. Srikrishnan is an Assistant Professor (Sr.Gr) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, Tamil Nadu, India. He has published 16 articles in National and 14 articles in International Journals. His area of specialization is Clothing Science and Comfort, Visual Merchandising, Fibre Science and Textile Testing. He has fabricated three textile testing instruments exclusively for research during his doctoral research. He has filed 3 Patents to Indian patent office Chennai. He has also organized two national conferences and two national level workshops. Currently he is the Research Head of the Department. He is currently writing a book on Green Apparels for Woodhead Publishing India. He has been awarded with UGC scholarship during his doctoral research.

Dr. P. Kandhavadivu is the Professor and Head of the Department of Fashion Technology, PSG College of Technology, Coimbatore, Tamil Nadu, India. She has published around 29 technical research papers in International and 12 research papers in National journals and presented 24 technical papers in National and International level Technical Conferences. She has published a text book on "Bio-processing of Textiles" for Woodhead Publishing India, 2014. She has also published one chapter on "Bio-processing of Natural plant cellulosic polymer materials" in Handbook of Sustainable Polymers, Pan Stanford Publishing, USA, 2015 and two more chapters in other publishing house. Her area of specialization includes Pattern Engineering, Draping Techniques, Leather Garment Manufacturing, Clothing Comfort and Hospital textiles.

₹ 2995 | 978-93-85059-29-2 | 2017 | HB | 236 pages.

Texturising



Dr. H. V. Sreenivasamurthy and B. Purushothama

Texturising is a very important process in filament yarns to give texture similar to spun natural fibres. This book covers different methods of texturising, normal defects in texturised yarns, their causes, effects, remedies and Prevention through implementation of Quality Management systems. The book is a blend of an academician and an industry personnel with their vast knowledge of the subject in the field, experience of association with the industry. Dr. H. V. S Murthy former Director of Textile Education of Maharashtra Technical Education Board had conducted various research work on Texturising defects in different plants at Silvassa and had compiled them. Mr. B. Purushothama, a practical shop floor technical person and an expert in Quality management System joined with Mr. Murthy in making a useful book for students and for beginners in man made fibre industry.

The authors have covered all the aspects starting from the origin of the texturising technology of yarn modification, type of machinery,process,process control, testing and quality control, and the Management Information Systems. The authors have covered the most important aspect the problems and remedies in the texturising industry.

The book is a good guide for the students studying Man Made Fibres/Textiles in which Texturising is an important subject.

₹ 2695 | 978-93-85059-27-8 | 2017 | HB | 200 pages.

Advances in Silk Research

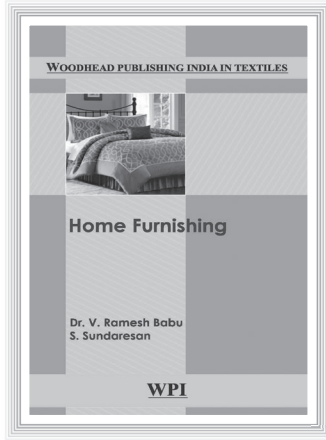
N. Gokarneshan

The book comprehensively reviews the significant researches in silk during the millennium. Silk known as the queen of textiles is a fibre, has unique properties which have been well explored and exploited for varied applications. The primary objective of writing this book is to create an awareness of the researches in the area and stimulate the readers to explore more about the fibre. It would be very useful to students for carrying out their project work, scholars and researchers in carrying out research in such an interesting area. The topics discussed herein are varied and cover a broad range like application of natural dyes on silk, study of specific properties which have not been explored earlier, etc. Propreties of silk blends have been discussed. Different varieties of silk have been explored which include some non mulberry silk varieties and also spider silk. It is hoped that the book would provide useful reading and promote further research in the area. It is deemed a privilege to duly acknowledge the researchers whose noteworthy contributions have been included in the book. Suggestions are invited to further enhance the quality of the book.

Dr. N. Gokarneshan got his degree in textile engineering from karnatak university, post graduation from Bangalore university, and doctorate from anna university. He had a stint of about 8 years in textile industry and remaining years in teaching. He has published more than 100 papers including a number of scholarly reviews in various leading journals and presented some papers in conferences. He has authored 9 books. He has also completed some sponsored projects. He is recipient of a number of recognitions and rewards for his contributions in the field. He is presently working as professor and head at the park college of engineering and technology, Coimbatore, Tamil Nadu, India.

₹ 3195 | 978-93-85059-21-6 | 2017 | HB | 284 pages.

Home Furnishing



Dr. V. Ramesh Babu and S. Sundaresan

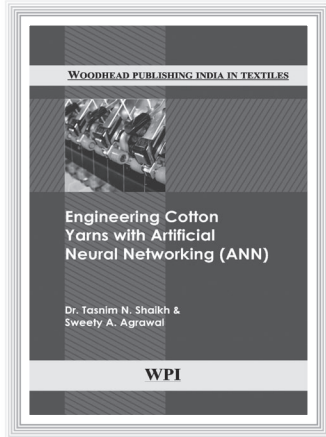
This book focuses on the Home Textiles markets and its products such as furnishings, floor coverings, carpets, curtains &draperies, Living room furnishings bed linens, kitchen linens, hospital linens, towels etc. Latest developments and future prospectus in Home Textile industry are discussed. Textile and fashion technology students, researchers, Industry and textile engineers will find this book useful.

Dr. V. Ramesh Babu, is an Associate Professor, Dept. of Textile Technology, Kumaraguru College of Technology. He has 10 years of Industrial Experience in Garment Industry in various domains such as Industrial Engineering in Apparel Production, Merchandising, Apparel Production and Quality etc. On top of this presently he has 12 years of experience in engineering education teaching in the field of Textile and Apparel. He published more than 25 papers in reputed journals and conferences. Moreover he published the book on Industrial Engineering in Apparel Production in Woodhead Publishing.

S. Sundaresan is an assistant Professor (SRG), Department of Textile Technology, Kumaraguru College of Technology. He has 15 years of industrial experience in spinning industries at various cadre right from quality control to production management. He is also vastly experienced in fabric structure and design. He has 10 years of experience in engineering education. He published more than 20 papers in reputed journals and conferences.

₹ 2895 | 978-93-85059-28-5 | 2017 | HB | 224 pages.

Engineering Cotton Yarns with Artificial Neural Networking (ANN)



Dr. Tasnim N. Shaikh and Sweety Agrawal

This book is designed to provide a platform for the critical evaluation of deficits of classical cotton yarn engineering approach and how they were overruled by the development of today's ANN based scientific approach. Legendary ring spinning process is kept as a reference and various technological changes undergone by the different sectors of the yarn engineering system are elaborated.

Entire book is divided into ten chapters, the initial one briefs about varieties of textile fibers available and amongst them identified significance of cotton fiber for the textile industry. It also covers up ring spinning pattern along with constraints handled due to natural fiber variations in transitory way.

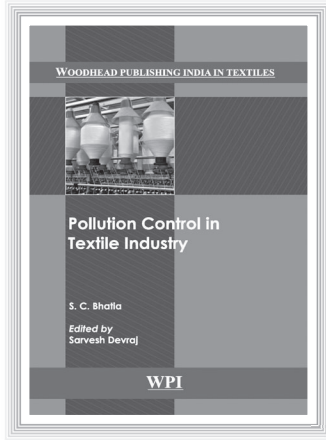
Artificial Neural Networking (ANN) is the upcoming software technique to replace Biological Neural Network (Human brain) for accurate resolution of complex problems, fifth chapter remits on this technology.

Dr. Tasnim N. Shaikh is an Associate professor of Textile Engineering at the Maharaja Sayajirao University of Baroda, Vadodara. Dr. Shaikh has received her graduation, postgraduation and PhD degrees, all in Textile Engineering from the Maharaja Sayajirao University of Baroda, Vadodara and joined the faculty of the University in 1990 and associated with this noble profession for more than 26 years. Dr. Shaikh's scholarly interests are in cotton spinning, manmade textile, technical textile and Nano technology application in textile field. She has written books, chapters for the book, more than fifty research as well as review papers for reputed national and international journals and also contributed precious papers in national as well as international symposiums.

Mrs. Sweety A. Agrawal is an Assistant professor, in Textile Engineering department at the Maharaja Sayajirao University of Baroda, Vadodara. She has completed her P.G and currently pursuing her PhD from the same University. She has been in teaching profession since 2008. She has various research as well as review papers in reputed national and international journals in various area of research such as Testing of textile material, technical textile and numerical simulation. She has presented papers in international conferences.

₹ 2795 | 978-93-85059-20-9 | 2017 | HB | 267 pages.

Pollution Control in Textile Industry



S. C. Bhatia and Sarvesh Devraj

Textile processing industry is characterised not only by the large volume of water required for various unit operations, but also by the variety of chemicals used for various processes. There is a long sequence of wet processing stages requiring input of water, chemical and energy and generating wastes at each stage. Any industrial activity causes pollution in one form or the other and so is the textile industry. The textile industry is a significant contributor to many national economies, encompassing both small and large-scale operations worldwide. Textile processing generates many waste streams, including liquid, gaseous and solid wastes, some of which may be hazardous. Several measures for pollution control in textile industry are discussed in detail including 'End-of-pipe' technologies for wastewater treatment.

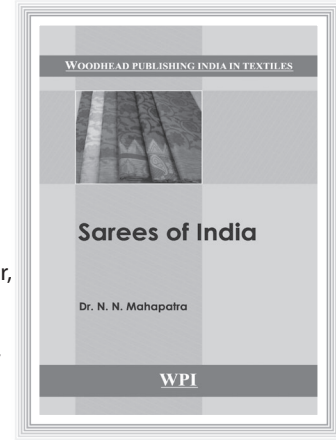
This book on pollution control in textile industry summarises various aspects of pollution control and is divided into 19 chapters. This edition discusses: enzymatic treatment of wastewater containing dyestuffs, degradation of toxic dyes, biological methods of removal of dyes from textile effluents, water conservation in textile industry, recovery of dyes and chromium from textile industry, zero liquid discharge in textile industry, pollution prevention in jute industry and wastes minimisation in textile industry. A unique feature of the book are the chapters on carbon foot print and energy conservation in textile industry. Finally the role of nanotechnology for the removal of dyes and effluents is also discussed.

S. C. Bhatia, a Chemical Engineer from BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

Sarvesh Devraj has done post-graduation (M.Tech) in Renewable Energy Engineering and Management from the Energy and Resources Institute (TERI) University, New Delhi (2013–2015). Currently in TERI, he is working as Research Associate in Energy Environmental Technology Development Division on Renewable Energy aspects.

₹ 3295 | 978-93-85059-22-3 | 2017 | HB | 340 pages.

Sarees of India



N. N. Mahapatra

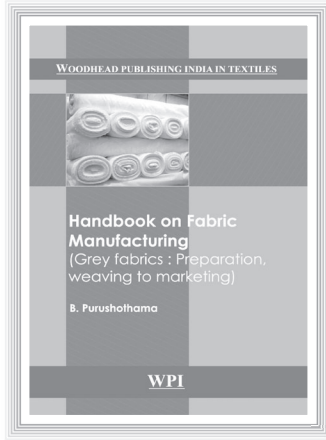
Sarees of India states that Woman is the most beautiful creation of God and Indian women are considered as the most beautiful in the world. The traditional wear of the India women is saree which increases the beauty of a woman. However, famous Indian sarees are more about tradition and culture than a mere fashion trend. There is a legacy behind every type of saree that is popular in India. The different sarees come from the different regions of the country.

Fashion keeps on changing, but the saree is the only attire which never changes but only its fabrics, patterns and colours keep on changing with time and trends. This book has an illustration of all these sarees. Such type of compilation is not yet done. It describes about the history, properties and manufacturing of each and every saree made in India.

Dr. N.N. Mahapatra has over 30 years of experience in textile industries in India and abroad. He has worked in all big textile houses like Birla, Reliance, Raymond (Kenya), etc. In the year 2007 he was awarded C Col FSDC (UK) and C Text F.T.I. (Manchester). In the year 2008 he was awarded the F.T.A. from the Textile Association of India and F.I.C. from the Institution of Chemists, Kolkata. In the year 2009 he was awarded the F.I.E. from the Institution of Engineers (India). He has implemented many new technologies that have given benefits to the textile industries. He is a senior member of American Association of Textile Chemists and Colorists, and The Fiber Society (USA). Presently he is working as Vice-President, Business Development, Colorant Ltd, Ahmadabad.

₹ 2795 | 978-93-85059-14-8 | 2016 | HB | 196 pages.

Handbook of Fabric Manufacturing



B. Purushothama

Handbook on Fabric Manufacture deals mainly with the activities involved in manufacturing of grey fabrics, inspection of both grey and finished fabrics, presentation of samples for market, marketing and customer service activities where technical people are involved. The activities of value addition to the fabric by way of wet finishes like bleaching and dyeing, finishing printing etc., are explained in a separate book.

This book does not deal with any technology or design of the machine parts and mechanisms, but explain the methods of monitoring the activities in general. The book deals with the purpose of each process, the activities within the process, the knowledge required to run the process, the control points and check points, the do's and don'ts of the process, normal problems observed in the process, the responsibilities and authorities of supervisors in the process, methods of working out the expected productivity and the workloads, so that the supervisor handling that process can handle it efficiently. The individuals have to study the manuals given by machinery manufacturers, and refer to the systems followed in their company and make their own manual for day to day activities. This book can be taken as a guide.

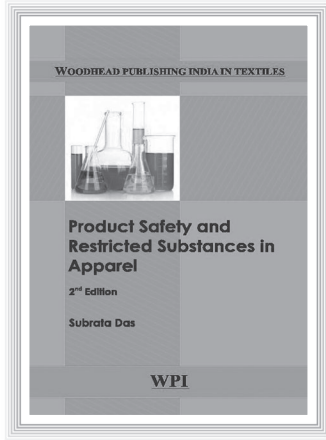
B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honored by awarding "TAIRatna" by The Textile Association (India) during their Platinum Jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences, and also has written numerous social books in Kannada. The total books written by him cross over one hundred.

₹ 3995 | 978-93-85059-16-2 | 2016 | HB | 410 pages.

Product Safety and Restricted Substances in Apparel

2nd Edition

Subrata Das



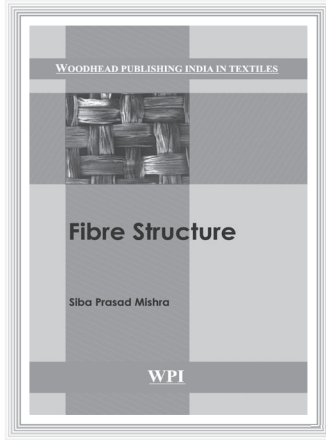
Product Safety and Restricted Substances in Apparel emphasis on the overview of the restricted substances present in fabrics, apparels and accessories and their acceptable limits or total ban, management of such restricted substances in the supply chain, standard and regulatory test methods. Manufacturing Restricted Substances address hazardous substances potentially used and discharged into the environment during manufacturing and related processes, not just those substances that could be present in finished products. Safety requirements and review of risk of different garments have been covered including varieties of accessories. Global and country specific regulations on the restriction of various harmful chemicals used in the manufacturing process of fabrics, apparels and related accessories are also discussed in detail.

The book is aimed at textile and apparel industry professionals, retailers, factory heads, buying offices and students intending to join the industry in the areas of quality assurance covering safety and chemical compliance.

Dr. Subrata Das is the Textile and Apparel Sustainability Professional, Technical Assessor – ISO/IEC 17025:2005 and Technical Expert – GOTS, NABCB, Quality Council of India.

₹ 3295 | 978-93-85059-15-5 | 2016 | HB | 260 pages.

Fibre Structure



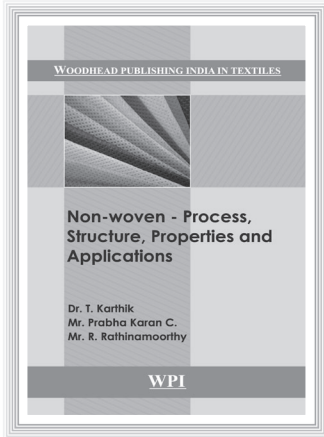
Dr. S. P. Mishra

Fibre Structure states that each and every fibre from their manufacturing (man-made fibres) or during development (natural fibres) creates and develops its own and specialized structure. It might be the chemical structure, crystalline structure, amorphous structure and/or morphology. This structure can be modified during processing. The structure equally influences the processing conditions as well as the properties of the fibre. With this background, the present book deals with different fibres and their structures. Different aspects of structure are dealt separately in a concise and compact manner. This will serve as a reference for researchers, technologists as well as professionals as a reference book to know about the structure of different fibres and their measurement.

Dr. S. P. Mishra is at present working as Director, School of Fashion Technology, KIIT University, Bhubaneswar, Odisha. He did his M. Tech and PhD from IIT Delhi, MBA from PTU, Jalandhar and BSc (Tech) from Calcutta University. He has more than 38 year experience in IIT University, Engineering Colleges, Research Institutes and Industry and actively engaged in teaching, research, development and industrial activities in fibres, fabrics and fashion. He has contributed more than 200 research and review papers in different International and National journals, seminar and conferences, out of which 30 is on International journals and a 60 paper series on "Development of Manmade Fibres" in Asian Textile Journal, Mumbai.

₹ 2795 | 978-93-85059-13-1 | 2016 | HB | 236 pages.

Non-woven - Process, Structure, Properties and Applications



Dr T. Karthik, Mr. Prabha Karan C. and Mr. R. Rathinamoorthy

Nonwovens - Process, Structure, Properties and Applications outlines the concept and principle of entire nonwoven manufacturing process starting from raw material selection, web formation techniques, web bonding methods and finishing. Further, characterization and testing of non-woven fabrics, application of non-woven fabrics in different areas such as apparel, agrotech, geotech, medical and hygiene, automotive textiles, filtration products, home textiles, roofing and construction and packaging were also discussed in detail. The advancements in non-woven manufacturing known as composite non-woven, their properties and applications were discussed in detail. The application of natural fibres in non-woven manufacturing with their advantages and limitations were also discussed in brief. This book is primarily a text book intended for textile technology students in universities and colleges, researchers, industrialists and academicians, as well as professionals in the apparel and textile industry.

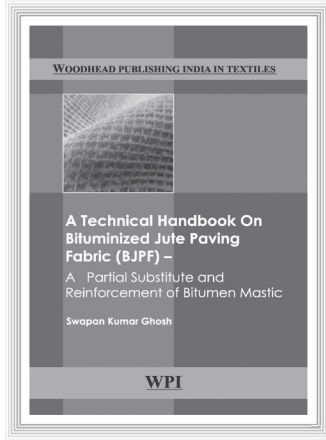
Dr T. Karthik is an M.Tech and PhD qualified textile technologist. Currently he is working as an Assistant Professor (senior grade) in the Department of Textile Technology, PSG College of Technology and Coimbatore, India. The author is having teaching experience of six years and industrial experience of five years and handling various spinning subjects particularly in the area of process and quality control in spinning, garment manufacture, non-woven technology and technical textiles for the past five years. The author has published more than 60 articles in reputed international and national journals. Have published five internationl books and contributed three book chapters. He is the member in Professional bodies such as TAI and MIE.

Mr. Prabha Karan C. has completed his B.Tech in Textile Technology from Anna University and M.Tech in textile engineering from Indian Institute of Technology, Delhi. He is currently pursuing his PhD in the area of non-woven. He is also working as Senior Lecturer (textiles), Indian Institute of Handloom Technology, Salem, Ministry of Textile, Government of India. He has four years of teaching experience in the area of non-woven, fabric manufacturing technology and technical textiles. He also has three years industrial experience. He has published three research articles in reputed international journals.

Mr. R. Rathinamoorthy is a B.Tech and M.Tech qualified textile technologist. He is currently pursuing his PhD in the area of medical textiles. He is also working as an Assistant Professor (senior grade) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India. He has seven years of teaching experience in the area of apparel industry and apparel machineries. He also has one year industrial experience as an industrial engineer. He teaches subjects like apparel machinery and equipment, apparel merchandising, pattern engineering and garment manufacturing process. He has authored two book and five book chapters and got his articles published in 35 internationally peer reviewed journals and 20 national-level reviewed journals. He also presented four research papers in the international level conferences and seminars.

₹ 3295 | 978-93-85059-12-4 | 2016 | HB | 360 pages.

A Technical Handbook on Bituminized Jute Paving Fabric (BJPF)



Swapan Kumar Ghosh

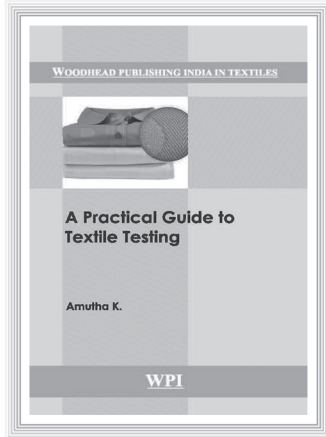
The book states that in the last quarter of the twentieth century, a new class of materials called Geo-synthetics emerged which led to significant revolution in the design of geotechnical and geo-environmental systems. Geotextiles extend the service life of roads, increase their load carrying capacity and reduce rutting and other distresses. The effectiveness of geotextiles in stabilization and separation roles with flexible pavements has been extensively researched.

Recognizing the vast potentiality of this developed Bituminized Jute Paving Fabric (BJPF) as overlay on existing pavements to reinforce and partially substitute the bitumen mastic, a strong desire of sharing the findings stimulated by the author to write this comprehensive technical handbook. The author firmly believes that this book will at least partially fulfill the requirements of the interested engineering students and practicing engineers and may prompt them to delve deeper into the subject to explore new avenues for its use and to refine the existing design methodologies.

Mr. Swapan Kumar Ghosh is the Professor and Head of the Department of Jute and Fibre Technology at the Institute of Jute Technology, University of Calcutta, India. He has been engaged in extensive research and developmental work related to the field of Geo-synthetics and Geotextile Technology since 1997 when Geotextiles both in man-made and natural fibers started proving effective in improving geotechnical characteristics of soil and found extensive uses for various technical end-uses like erosion control, management of slopes, strengthening of roads, stabilization of embankments, protection of river-banks, consolidation of soft soil, etc.

₹ 2495 | 978-93-85059-19-3 | 2016 | HB | 168 pages.

A Practical Guide to Textile Testing



Amutha K.

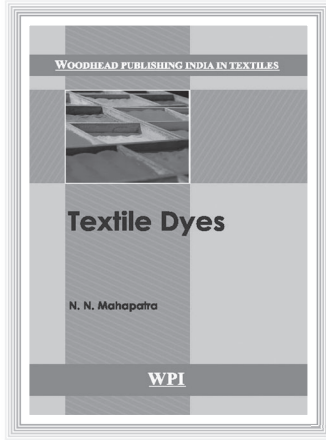
A Practical Guide to Textile Testing is about the physical and chemical test procedures used in testing of textiles at different stages namely, fibre, yarn, fabric and garment. It serves as a guide for young learners of textile discipline. In addition to the testing procedures, information related to textile testing is included for better understanding. This book serves as a practical guide for use in textile testing laboratories and also provides information regarding laboratory accreditation and the international standard ISO/IEC 17025.

Amutha K. is an Assistant Professor of Textiles and Apparel Design, working in Bharathiar University, Coimbatore. She has seven years of teaching and research experience in India and abroad. She has published more than a dozen articles in the reputed national and international journals. She has presented more than 28 papers in various national and international conferences, seminars, symposia, etc. Apart from academics she has two years of industrial experience in a wellestablished Textile Testing Laboratory of an Export House in Tamil Nadu. She has undergone various training programmes, workshops, faculty development programmes, vocational training and orientation programmes. Recently she had organized a workshop on "Apparel Testing and Regulation for International Market" during March 2015 and a National Conference on "Eco-Textiles: A Step towards Sustainability" (NCETS 2015) during October 2015 at Bharathiar University.

₹ 2195 | 978-93-85059-07-0 | 2016 | HB | 136 pages.

Textile Dyes

N. N. Mahapatra



Textile Dyes has each of its chapter simplified into the major classes of dyes. The author has dealt with the history of dyes, manufacturing, properties, identification, stripping, testing and application of dyes. The book is written in a very simple and lucid manner. The book will be helpful to students and supervisors conducting research and working in the dyes and textile industries. In the last two years, the price of H Acid was so high that the prices of Reactive Dyes went skyrocketing. Every person in the industry was concerned about H Acid.

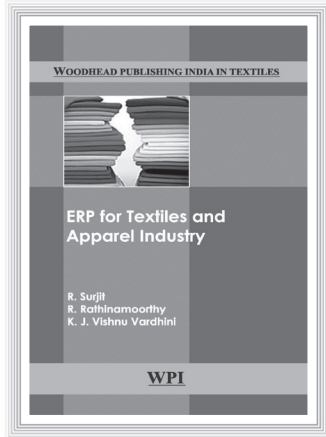
That is when everybody came to know about H Acid and how crucial it was for the dyes industry as a raw material or a dye intermediate. But they did not know the role of H Acid in manufacturing of reactive dyes. This book deals with the manufacturing process.

This will be helpful to both, the dyes industry as well as the textile industry.

Dr. N. N. Mahapatra has over 30 years of experience in textile industry in India and abroad. He has worked with several popular textile houses like Birla, Reliance, Raymond (Kenya), etc. In the year 2007, he was awarded C Col FSDC (UK) and C Text F.T.I. (Manchester). In the year 2008, he was awarded the F.T.A. from the Textile Association of India and F.I.C. from the Institution of Chemists, Kolkata. In the year 2009, he was awarded the F.I.E. from the Institution of Engineers (India). He has implemented many new technologies that have given benefits to the textile industries. He is a senior member of American Association of Textile Chemists and Colorists, and The Fibre Society (USA). Presently he is working as Vice-President, Business Development, Colorant Ltd, Ahmadabad.

₹ 2995 | 978-93-85059-04-9 | 2016 | HB | 230 pages.

ERP for Textiles and Apparel Industry



Mr. R. Surjit, Mr. R. Rathinamoorthy, Mrs. K. J. Vishnu Vardhini

ERP for textiles and apparel industry is aimed to develop a broad range of knowledge in the area of ERP implementation and usage for textile and apparel vertical. This book covers two major areas in ERP – One, it provides the basics about ERP and states the technology and functioning of it and the second, it details about usage of ERP for textile and apparel vertical specifically. The book address the concerns of the industry, mainly on how to select the ERP, what to expect from ERP, and how it will be beneficial to the industry. It will educate everyone on the right process flows for the textile and apparel industry and how ERP can be customized for the industries. For the students, it will teach the basics and make them industry ready as many companies are asking for students with acquaintance to ERP. It has a chapter on careers in ERP for textile and apparel graduates.

This book is very comprehensive with abundant illustrations for the better understanding of ERP for textile and apparel industries. The content of the book will be highly useful for academicians, teachers, students and industry members of textile and apparel domain.

Mr. R. Surjit has completed his B.Tech and M.Tech in textile technology and his MBA in operations management. He is currently pursuing his PhD in the area of fabric comfort. He is working as Assistant professor (senior grade) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India. He has 12 years of experience in the field of textiles and apparel. He has six years of teaching experience and six years of industrial experience in implementing ERP. He has authored a book, a chapter and published papers in international journals.

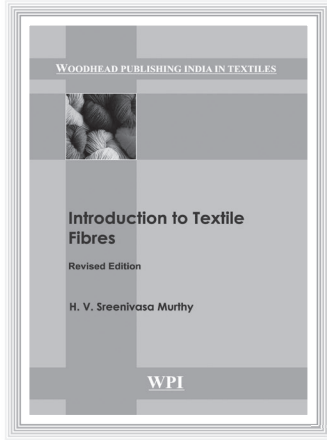
Mr. R. Rathinamoorthy is a B.Tech and M.Tech qualified textile technologist. He is currently pursuing his PhD in the area of medical textiles. He is also working as an Assistant professor (senior Grade) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India. He has seven years of teaching experience in the area of apparel industry and apparel machineries. He also has one year industrial experience as an industrial engineer. He has authored two book and five book chapters and got his articles published in 25 internationally peer reviewed journals and 20 national level reviewed journals.

Mrs. K. J. Vishnu Vardhini has completed her B.Tech and M.Tech in textile technology and her MBA in operations management. She is currently pursuing her PhD in the area of textile composites. She is working as Assistant professor (senior grade) in the Department of Textile Technology, PSG College of Technology, Coimbatore, India. She has 10 years of experience in the field of textiles and apparel. She has six years of teaching experience and four years of industrial experience. She has worked in implementing textile and apparel ERP software. She has authored a chapter in a book and published papers in international journals and also presented research papers in conference and seminars.

₹ 2995 | 978-93-85059-02-5 | 2016 | HB | 286 pages.

Introduction to Textile Fibres
Revised Edition

Dr. H. V. Sreenivasa Murthy



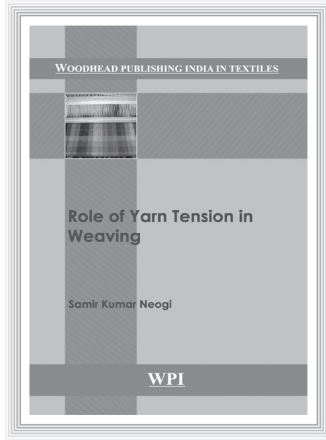
Introduction to Textile Fibres provided necessary information for the beginners. In many textile institutions it was widely referred by the students and staff for teaching diploma and degree courses. In the year 1989 this book won the coveted "Best Technical Book in Textile" – Century Mills Award through Textile Association (India).

Lots of developments have taken place in the last two to three decades in understanding and utilization of textile fibres. In the present revised edition, certain topics like Bt-Cotton, organic cotton and coloured cotton, bamboo and soyabean fibres etc., have been included. Statistical figures are updated. More information of micro fibres and nano fibres etc., are given; exhaustive details of chemical composition and statement of the most commonly used textile fibres, categories of fibre polymers end-use application of some fibres are given in the appendix.

Dr. H. V. Sreenivasa Murthy is a retired Professor and Head, Department of Textile Manufacture, VJTI, Mumbai; Chairman of Professional Awards Committee, Textile Association of India; Chairman of Maharashtra State Board of Technical Education; Editorial Board Member, Journal of Textile Association, India. He has published more than 86 papers in National and International Journals.

₹ 2795 | 978-93-85059-09-4 | 2016 | HB | 250 pages.

Role of Yarn Tension in Weaving



Samir Kumar Neogi

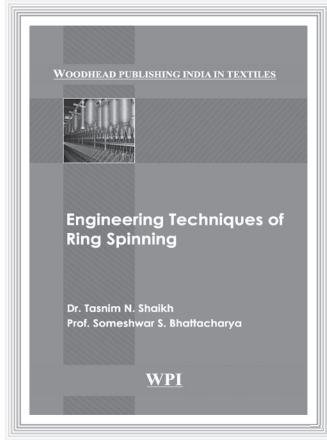
Role of Yarn Tension in Weaving deals exclusively with the various aspects of tension of both the warp and weft yarns during weaving and its preparatory processes. The book containing ten chapters has been written with numerous illustrations so that the text can be understood easily and clearly by the readers. The book will be found useful to the students, mill personnel and the researchers alike, associated with weaving for acquiring useful information on the various aspects of warp and weft tensions in the processes of weaving preparation, weaving and formation of the cloth.

Samir Kumar Neogi, a Textile Technologist, acquired his B.Sc. (Tech.) in Textile Technology from the University of Calcutta in 1968, M.Phil in Weaving from Leeds University, UK in 1972 and PhD from Jadavpur University in 1996. During his long service career spanning over 31 years he carried out a number of research projects, presented research papers in 19 conferences and seminars, published nearly 50 research papers in the various national and international textile journals. The author has 4 Indian patents all relating to mechanical developments of weaving or its preparatory machines.

The author was also awarded the fellowship of the Textile Association (India) in 1999. He was also awarded the fellowship for UNDP project and visited Italy and England under the programme. He is the recipient of NRDC (National Research and Development Council) award for a development work relating to a jute processing machine. For about last 7 years he has been conducting weaving training programmes at the jute mills of the country as the resource person first on behalf of the Institute of Jute Technology and then the Indian Jute Industries' Research Association, under the HRD programme of Ministry of Textile, Government of India.

₹ 3195 | 978-93-80308-25-8 | 2015 | HB | 290 pages.

Engineering Techniques of Ring Spinning



Dr. T. N. Sheikh and S. Bhattacharya

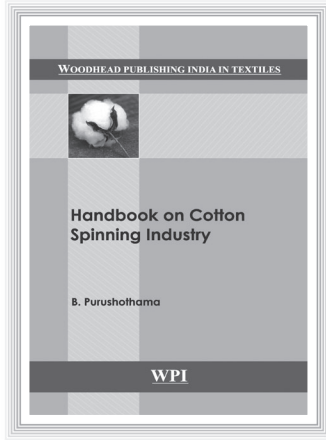
Engineering Techniques of Ring Spinning states that Ring Spinning is an age old technology prevailing in the process of fibers to yarn conversion. Its versatility in dealing with wide range of materials in terms of type, properties and even as an individual or blend is unbeaten till today. Several new yarn production techniques have been launched in the commercial market, but none of them have been able to compete with ring spun yarn in terms of its superior yarn properties and capability of spinning all types of fibers with very wide range of yarn counts. Endless efforts have been made by various researchers and machine manufacturers to further improve the performance of ring spinning. This book provides a platform for critically evaluating various engineering and technical changes undergone in this legendary process and the scientific approach lying behind these changes. Sincere attempts have been made to accommodate all these details thoroughly and technically in a well-organized manner in this book.

Dr (Mrs.) Tasnim N. Shaikh is Associate professor at present and belongs to Department of Textile Engineering of the Maharaja Sayajirao University of Baroda. She is in teaching profession for more than 25 years. Research and learning has been two inherently built up features during her academic career. She has published many research and review papers in reputed national and international journals.

Prof. Someshwar S. Bhattacharya has a long academic career along with precious industrial experience. He belongs to Department of Textile Engineering of the Maharaja Sayajirao University of Baroda. He has many valuable research and review papers in his account. He was awarded with AICTE and DST research projects also. At present he is also extending services as the chief coordinator of Anchor Institute of Textile Sector, recognized by Government of Gujarat.

₹ 2595 | 978-93-80308-05-0 | 2015 | HB | 223 pages.

Handbook on Cotton Spinning Industry



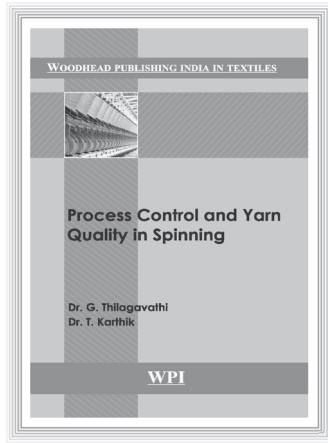
B. Purushothama

Handbook on Cotton Spinning Industry tries to educate the people on the purpose, functions, activities and the care to be taken at different processes of a cotton spinning mill. The language is kept as simple as possible so that everyone can read and refer to it. The author hopes that the industry shall get benefited by this book. Apart from dealing the technology related activities for cotton spinning, other related aspects like monitoring humidity, assuring safety, maintenance practices, man power planning, waste management and marketing practices are also dealt with.

B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honored by awarding "TAIRatna" by The Textile Association (India) during their Platinum Jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences, and also has written numerous social books in Kannada. The total books written by him cross over one hundred.

₹ 3395 | 978-93-85059-01-8 | 2015 | HB | 326 pages.

Process Control and Yarn Quality in Spinning



Dr. G. Thilagavathi and Dr. T. Karthik

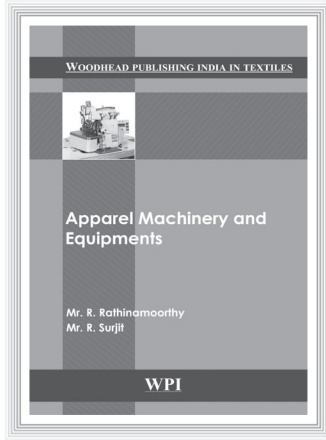
Process Control and Yarn Quality in Spinning outlines the concepts of raw material selection, control of various process parameters in the preparatory processes like blow room, carding, combing preparatory, and comber to optimise the process conditions, and analysis and interpretation of various types of test reports to find out the source of fault. This book is primarily a text book intended for textile technology students in universities and colleges, researchers, industrialists and academicians, as well as professionals in the spinning and textile industry. It also takes a close look at the advancing technology in spinning, and analysis and interpretation of process parameters, and yarn quality. It also includes real-time case studies involving typical problems that arise in spinning processes and strategies used to contain them.

Dr. G. Thilagavathi has teaching experience of 22 years and handled various spinning subjects particularly in the area of Process & Quality control and Textile quality evaluation in spinning and weaving for the past 22 years. The author has received "Eminent Engineer" award from Institution of Engineers (India) in the year 2014 and has received Outstanding Academician of the college for the past 5 years.

Dr. T. Karthik has teaching experience of 5 years and industrial experience of 5 years and handling various spinning subjects particularly in the area of Process & Quality control in spinning for the past 5 years.

₹ 3995 | 978-93-80308-35-7 | 2015 | HB | 422 pages.

Apparel Machinery and Equipments



Mr. R. Rathinamoorthy and Mr. R. Surjit

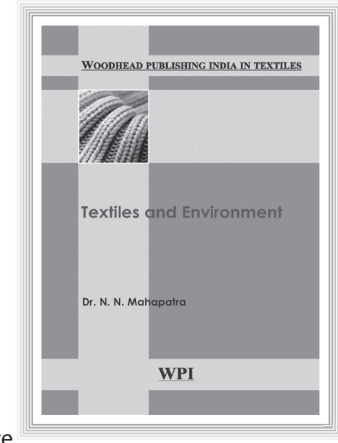
Apparel Machinery and Equipments is aimed to develop a broad range of knowledge in the area of apparel machinery. The various types of machines used in the different departments of apparel industry are explained. This book would provide more details on how the machines work and help the readers to recognize the basics, fundamental operating procedures, and requirements of the apparel machinery. Research in the field of apparel machinery has gained impetus recently, and this book will help to understand the operations and working in detail. Various work aids and modification in the operating procedures of machines have been discussed.

Mr. R. Rathinamoorthy is a B.Tech and M.Tech qualified textile technologist. He is currently pursuing his Ph.d in the area of medical textiles. He is also working as an Assistant professor in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India.

Mr. R. Surjit has completed his B.Tech, M.Tech in textile technology and his MBA in operations management. He is currently pursuing his Ph.d in the area of fabric comfort. He is working as Assistant professor (senior grade) in the Department of Fashion Technology, PSG College of Technology, Coimbatore, India.

₹ 3295 | 978-93-80308-59-3 | 2015 | HB | 336 pages.

Textiles and Environment



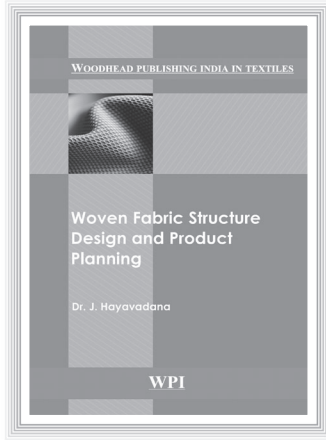
Dr. N. N. Mahapatra

The author has worked in big corporate companies as general manager of the dye house. During which dyed yarn and fabrics were exported to various countries. Mainly the European buyers used to ask us for various new certifications by which the production people were confused. So the author has put all the doubts into a book that will become handy for every dyeing technician. He has tried to introduce new processes and technology having eco-friendly behaviour in a simplified manner. The chapters are devoted to sustainable aspects required for the industry. It will be helpful to the CEO, R & D, and textile industry persons.

N. N. Mahapatra has over 30 years of experience in textile industries in India and abroad. He has worked in all big textile houses like Birla, Reliance, Raymond (Kenya), etc. In the year 2007 he was awarded C Col FSDC (UK) and C Text F.T.I. (Manchester). In the year 2008 he was awarded the F.T.A. from the Textile Association of India and F.I.C. from the Institution of Chemists, Kolkata. In the year 2009 he was awarded the F.I.E. from the Institution of Engineers (India). He has implemented many new technologies that have given benefits to the textile industries. He is a senior member of American Association of Textile Chemists and Colorists, and The Fiber Society (USA). Presently he is working as Vice-President, Business Development, Colorant Ltd, Ahmadabad.

₹ 2695 | 978-93-80308-56-2 | 2015 | HB | 208 pages.

Woven Fabric Structure Design and Product Planning



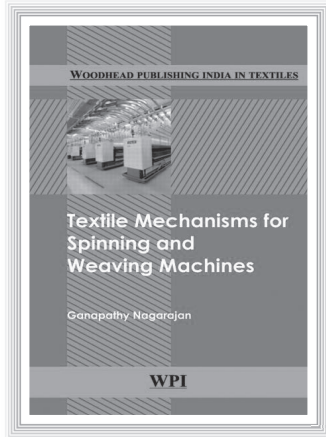
Dr. J. Hayavadana

Woven Fabric Structure Design and Product Planning deals with the structural details of the Woven fabric which has glimpses of primary, secondary, and tertiary weaves. The book has a number of examples on each topic, and a few chapters have been given with objective type of questions. The book is written with a view to link fabric formation and fabric structure. Any weave description invariably links the reader to weaving arrangements and thus, it is necessary for a reader to have a thorough knowledge of various loom aspects. The special feature of this book is that it provides a chance for the reader to complete the designs in the text book itself.

Dr. J. Hayavadana has completed 27 years of teaching and has supervised 35 PhD Thesis, and was external examiner for 30 PhD candidates. He has published a number of papers in National journals and five papers in International journals; currently serving as a reviewer of International journals. From the past three years, he is teaching Lean and Six Sigma to the UG and PG students. He has served as Board of studies Member for various Indian Universities and currently he is BOS member of M.S. University, Baroda. Author has designed several Textile Testing Instruments of laboratory use and applying for Patents.

₹ 2595 | 978-93-80308-24-1 | 2015 | HB | 166 pages.

Textile Mechanisms for Spinning and Weaving Machines



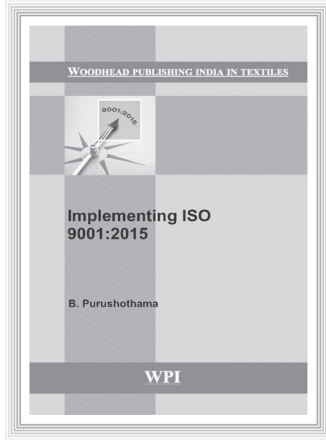
Ganapathy Nagarajan

Textile Mechanisms in Spinning and Weaving Machines has been written in response to numerous suggestions and great interest of colleagues and students in the textile industry to note the various design aspects in the mechanics of the textile machineries. It provides information about the mechanics involved in the machineries like transmission of power through various means of driving arrangement available in the textile machineries. In addition, many practical problems have been included in the calculations of differential gear assembly in the speed frame process and also the design of cone drums in blow room/speed frame machineries.

Ganapathy Nagarajan has around 23 years of experience in the spinning mills of repute in North India in production, maintenance, and in Quality Assurance department as General Manager (Technical) in Bangladesh. He has worked in The South India Textile Research Organization (SITRA) in the spinning division for 5 years. At present, he is associated with Aksum University Axum, Ethiopia as Asst. Professor in Textile Engineering Department

₹ 3495 | 978-93-80308-45-6 | 2015 | HB | 384 pages.

Implementing ISO 9001:2015



B. Purushothama

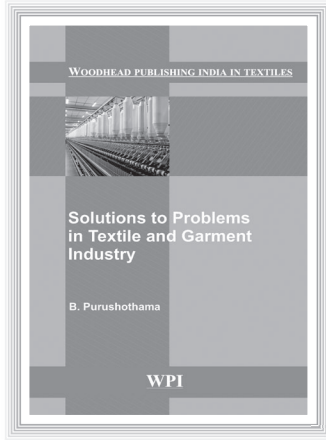
Implementation of ISO 9001:2015 is written basing on the draft standards with an intention that the readers can start their work proactively and get themselves aligned with the new guidelines. The book discusses the need for understanding and implementing new standards much in advance, the management principles, and the new clauses respectively.

Understanding shall be better, and one can implement the system to get benefits of objectives being achieved in time with least mistakes and satisfying the customers and stakeholders.

B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honored by awarding "TAIRatna" by The Textile Association (India) during their platinum jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences, and also has written numerous social books in Kannada. The total books written by him cross over one hundred.

₹ 2595 | 978-93-80308-50-0 | 2015 | HB | 175 pages.

Solutions to Problems in Textile and Garment Industry



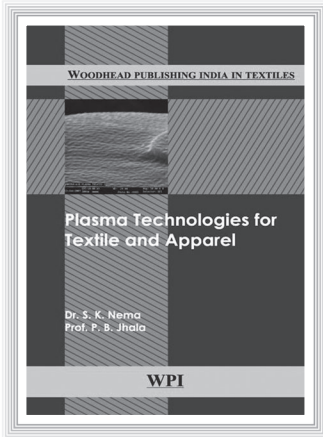
B. Purushothama

Solutions to Problems in Textiles and Garment Industry makes an attempt to define and identify problems, identify roots of a problem, explain various techniques that can be used for solving problems, developing our thinking by brainstorming and critical and creative thinking methods, usage of QC tools for diagnosing and taking decisions, and managing the change after implementing a solution. The case studies (real cases) are given to illustrate how solutions were found for the problems. This book explains various problem-solving techniques developed world over to solve the specific problems; some may be replicated and some are not. However by studying these techniques, one can think whether that technique can help to solve his problem. The technique adapted and implemented is more important than the techniques published by someone depending on his experience and knowledge.

B. Purushothama is a textile and quality management expert with over 43 years of experience in textile and apparel industry. He was honoured by awarding "TAIRatna" by The Textile Association (India) during their platinum jubilee celebrations on 9th April, 2014. Mr. B. Purushothama has published various technical and management books and articles, presented papers in various national and international conferences, and also has written numerous social books in Kannada. The total books written by him cross over one hundred.

₹ 3195 | 978-93-80308-49-4 | 2015 | HB | 280 pages.

Plasma Technologies for Textile and Apparel



Dr. S. K. Nema and Prof. P. B. Jhala

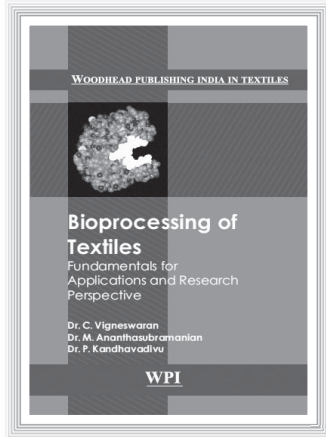
Plasma Technologies for Textile Apparel's main objective is to popularize plasma based technologies in textile industries and dissemination of knowledge gained over the years by Indian Institutes and organizations in the arena of plasma based applications for textiles. The book describes basics of low temperature plasma production in vacuum as well as at atmospheric pressure and various applications of plasma in textile particularly in Indian context.

Dr. S. K. Nema obtained his doctorate in Polymers and Allied Field and is presently working as Scientist-SG at Facilitation Centre for Industrial Plasma Technologies (FCIPT), Institute for Plasma Research, an autonomous institute under department of atomic energy, Govt. of India. He has been conferred on National Academy of Sciences, India (NASI)-Reliance Industries Platinum Jubilee Award in 2010 for application oriented innovations in Physical Sciences, and Dr. Vikram Sarabhai Award for 2002–2003 for the R & D work entitled "Safe disposal of hospital waste by plasma pyrolysis".

Prof. P. B. Jhala is a Mechanical Engineer and at present he is Research Advisor, Innovation Centre for Natural Fiber at NID PG Campus, Gandhinagar. He was formerly Senior Deputy Director at Ahmedabad Textile Industry's Research Association, Ahmedabad, John Bissell Research Chair sponsored by Ford Foundation at National Institute of Design, Ahmedabad and Advisor, Plasma Textile Applications, FCIPT at Institute for Plasma Research, Gandhinagar.

₹ 3495 | 978-93-80308-55-5 | 2015 | HB | 386 pages.

Bioprocessing of Textiles



Dr. C. Vigneswaran,
Dr. M. Ananthasubramanian, and
Dr. P. Kandhavadivu

Bioprocessing of Textiles: Fundamentals for Application and Research Prospective deals with the basic fundamentals of enzyme technology and their applications in textile processing of both natural and synthetic fibres for enhancing their functional characteristics.

The book also describes the future scope of enzyme technology for hygienic and healthcare textile product development and safety aspects of handling enzymes in the textile industries. In short, this book presents a refreshingly original approach in emphasizing the interface between enzyme technology and textile material apart from dealing with diverse methods and technology used in industrial practices.

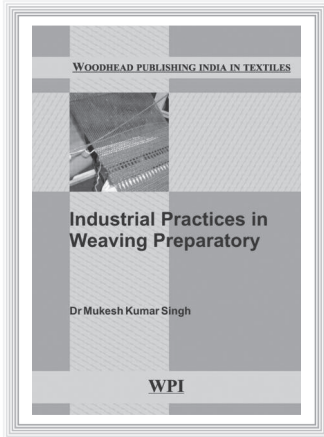
Dr. C. Vigneswaran is working as an Associate Professor at the Department of Fashion Technology, PSG College of Technology, Coimbatore, India.

Dr. M. Ananthasubramanian is working as a Professor at the Department of Biotechnology, PSG College of Technology, Coimbatore, India.

Dr. P. Kandhavadivu working as an Associate Professor at the Department of Fashion Technology, PSG College of Technology, Coimbatore, India.

₹ 3595 | 978-93-80308-42-5 | 2014 | HB | 460 pages.

Industrial Practices in Weaving Preparatory



Dr. Mukesh Kumar Singh

Industrial Practices in Weaving Preparatory covers the basic concepts of winding, warping and sizing processes. The book includes critical comparisons between various industrial concepts, practices, and processes of winding, warping, and sizing. Weaving preparatory machine manufacturers have registered remarkable developments and innovations in this field, and the book covers all latest developments of above said topics.

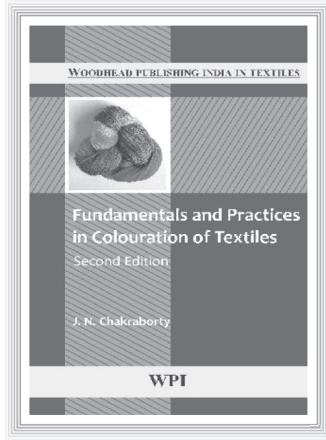
Dr. Mukesh Kumar Singh working as an Assistant Professor (Weaving) at GCTI Kanpur.

₹ 2995 | 978-93-80308-29-6 | 2014 | HB | 295 pages.

Fundamentals and Practices in Colouration of Textiles

Second Edition

Dr. J. N. Chakraborty



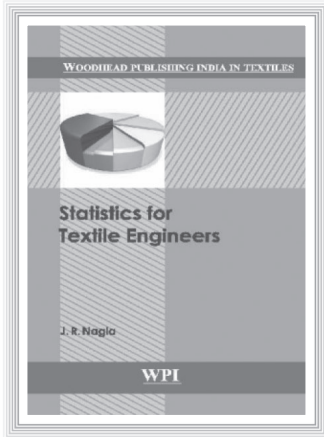
Colouration of textiles is an art and less complicated than actually thought; just needs due attention to ascertain look, quality and consistency in product. Each textile is coloured with specific colourants through its own technology. Thorough realization of basics of colouration is the basic need to achieve that.

This second edition with the introduction of new chapters and an in-depth revision of previous chapters make the book useful for a large spectrum of readers. New chapters such as Dyeing with natural dyes, Differential coloured effect in dyeing, Enzymatic dyeing of textiles, and Synthesis of dye intermediates put a new life to the first edition. It is expected that this new edition would be more informative and helpful for its readers.

Dr. J. N. Chakraborty is Professor and Present Head of Textile Technology Department at the National Institute of Technology, Jalandhar, India. He possesses around fifty research papers published in reputed national and international journals. Dr Chakraborty's experience combines both engineering and business applications in various industries. The innovation on room temperature vat dyeing of cotton using iron(II) salt-lig and complexes is a pioneering published work of him.

₹ 4495 | 978-93-80308-46-3 | 2014 | HB | 576 pages.

Statistics for Textile Engineers



J. R. Nagla

Textile engineers are generally interested in studying variations occurring from material to material, test to test, sample to sample, machine to machine, time to time and place to place. Before any type of study textile engineers generally have following questions:

1. How many tests are to be carried out for getting the desired results?
2. How to analyze the results or the data collected for the purpose of the study?
3. How to interpret the results of analysis?

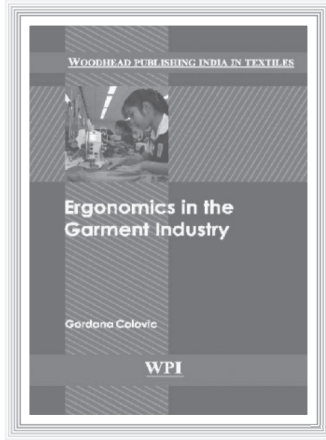
Answers to all the above questions can be obtained with the help of 'Statistics'. Thus, for studying the variation in the data and interpret them, the textile engineer must know the theory and different methods of 'Statistics'. All eighteen chapters of this book discuss various statistical methods and techniques which are useful for study and analysis of textile data. This book will meet all the needs of textile professionals and textile industries in their decision making as it discusses every thing related to statistics right from basic data collection to design of experiments with suitable illustrations.

Though the book is written for textile engineers, it is also useful for engineers and researchers of all other disciplines.

J. R. Nagla working as an Associate Professor of Statistics at D.K.T.E. Society's Textile and Engineering Institute, Ichalkaranji. He has a 22-year long experience of teaching Statistics. He is also a wellknown statistician in Kolhapur region of Maharashtra.

₹ 3195 | 978-93-80308-26-5 | 2014 | HB | 330 pages.

Ergonomics in the Garment Industry



Gordana Colovic

Ergonomics in the Garment Industry discusses the importance of ergonomics in the garment industry, with a detailed scientific analysis and examples from the garment industry. Application of ergonomics through the standardization of micro and macro environment in the garment industry provides an example of how to design the present and future processes; increases the efficiency and productivity of production; improves health, safety and comfort of people in the working environment.

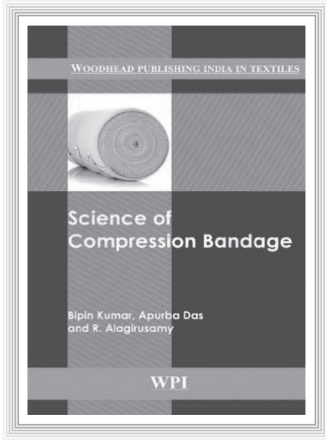
Knowledge of ergonomic conditions prevents employee discomfort, fatigue and physical injury. Injury related to poor ergonomic conditions can be prevented by designing the physical work environment around the physical needs of individual employees. Therefore, it is necessary to know physiological, psycho-sociological and anthropometric ergonomic conditions.

It is important to analyze each workplace in the production of garments and find the way how to reduce the health problems of workers to a minimum with maximum increase of productivity. Chapters analyze divisions of ergonomics; conditions of work; ergonomic principles in designing workplace, working processes and environment, determining working time and handling material; ergonomics in the storage of textile materials; ergonomics workplaces in garment manufacture preparation, cutting room, sewing room and finishing room, and garment warehouse and stores.

Gordana Colovic is a Professor at the College of Textile – Design, Technology and Management in Belgrade, Serbia. She has authored five books and got her papers published in about 80 national and international journals.

₹ 2495 | 978-93-80308-37-1 | 2014 | HB | 220 pages.

Science of Compression Bandage



Bipin Kumar, Apurba Das and R. Alagirusamy

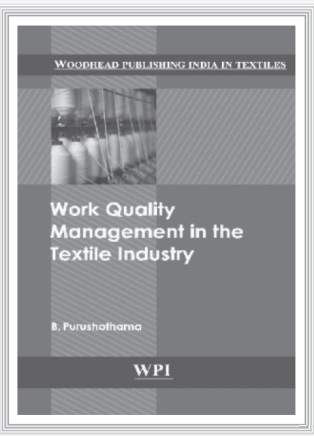
Compression treatment for chronic venous diseases is associated with a wide range of challenges and often produces uncertain clinical outcomes. Investigating and exploiting the performance of compression bandage would further improve the knowledge of compression management and would give a holistic picture of this promising area. The present book addresses the fundamental pursue of compression therapy, i.e. compression or pressure through multidisciplinary approaches involving various concepts of physics, biological science, biomaterials, fabric engineering, structural dynamics, material science, technical textiles and instrumentation to better deal with compression subject from different perspective.

Each chapter of the book provides its clinical significance which would help in elucidating the clinical outcomes of a particular compression product and achieving maximum compression efficacy as novel wound care management. All the arguments and reasoning described would help in evaluating different compression products, standardization and characterization of compression bandage, innovating suitable compression product, designing and fabricating pressure measuring systems, recommending ideal compression product and developing suitable wrapping protocols for a compression management.

The book would be extremely useful for the academicians, R&D managers, bandage manufacturers, processing industries, doctors, health practitioners, researchers, nurses, users of the bandage for distinctive applications and all others related to the compression treatment.

₹ 2195 | 978-93-80308-41-8 | 2013 | HB | 176 pages.

Work Quality Management in the Textile Industry



B. Purushothama

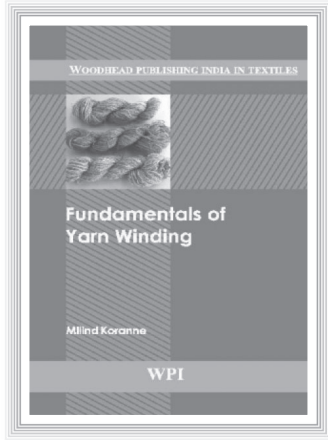
Latest technology can help in getting quality and productivity, but cannot be sustained unless the people work with heart. Unless one enjoys the job he cannot deliver the results up to the expectation. The exercises of quality management system with total quality approach of "Right work right at first time" is unable to stabilize the industry in number of cases as it has not been successful in developing a feeling of belongingness among the people for the company and the industry they work.

Work Quality Management in the Textile Industry discusses various aspects responsible for improving or maintaining the work quality, which in turn result into sustained product quality, improved productions, and reduced cost of manufacturing. A balanced combination of concepts of quality management, work management, time management, work life enhancement, safety, social security, working conditions, selfdevelopment and human values are discussed with practical examples from the industry. This book propagates the concept of quality people and coexistence of deep old roots of values and ethics combined with fresh leaves of new technology and science. Work quality managementshall be the new mantra for the success of the industry.

B. Purushothama is a Senior Textile Consultant with more than 40 years of experience in various capacities in spinning, maintenance and quality assurance. He is also the Lead Auditor in ISO 9000 since 1994. His four books on textile technology have been published with Woodhead Publishing India.

₹ 2195 | 978-93-80308-40-1 | 2013 | HB | 198 pages.

Fundamentals of Yarn Winding



Dr. Milind Koranne

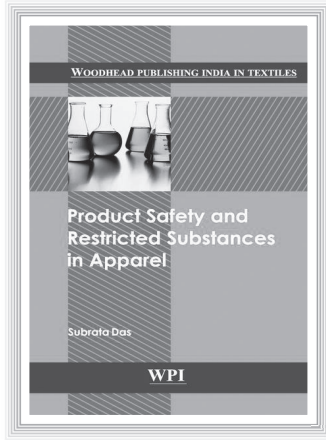
Fundamentals of Yarn Winding explains principles related to yarn winding, relevant even to the latest generation of winding systems and useful to textile students as well as to textile professionals in staple and synthetic yarn spinning, weaving, knitting, yarn dyeing, texturising, sewing thread manufacturing, technical textiles, etc. Basics of building winding packages are described in a simplified manner supported by numerous diagrams and photographs. Various terms associated with winding systems/ packages are conceptually clarified, such as random winding, patterning, precision winding, gain, open wind, close wind, step precision winding, etc. Principles of various winding systems along with basic mathematics involved are described. The book discusses various parameters related to build up of winding packages, their influence on package performance and optimization according to end-user requirements. Important elements of winding machines are elaborated such as yarn tensioning and clearing devices, yarn splicers and various methods of package driving and yarn traversing.

Current developments in winding machines have opened up immense possibilities in package building that demands thorough understanding of fundamental aspects on the part of the user. This book is useful to textile technologists as well as professionals from other disciplines such as chemical, electronics, computer and mechanical dealing with winding systems.

Dr. Milind Koranne is an Associate Professor of Textile Engineering at the M. S. University of Baroda, India. He has also rendered services as an expert to Department of Science and Technology and All India Council for Technical Education. He holds professional memberships such as Member of Institution of Engineers, India, Life Member of The Textile Association of India and The Indian Society for Technical Education.

₹ 2195 | 978-93-80308-38-8 | 2013 | HB | 202 pages.

Product Safety and Restricted Substances in Apparel



Dr. Subrata Das

Product safety and restricted substances has been the subject of many recent discussions. Though scattered information is available, but it is sometimes difficult to access because of restriction by proprietary rights of different buyers as a guarded secret to the brand.

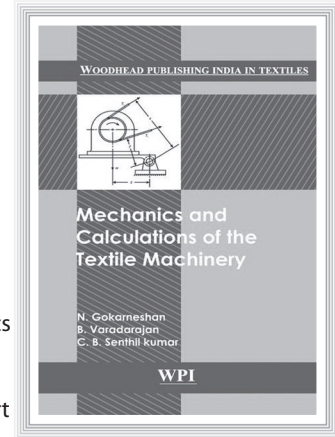
Product Safety and Restricted Substances in Apparel is a concise document of wisdom inculcated over the years in the area of product safety and restricted substances in apparel. The book discusses the restricted substances present in fabrics, apparels and accessories and their acceptable limits or total ban, management of such restricted substances in the supply chain, standard and regulatory test methods. Safety requirements and review of different garments have been covered including varieties of accessories. Global and country-specific regulations on the restriction of various harmful chemicals used in the manufacturing process of fabrics, apparels and related accessories are also discussed in detail.

The book is aimed for textile and apparel industry professionals, retailers, factory heads, buying houses and students intending to join the industry in the areas of quality assurance covering safety and chemical compliance.

Dr. Subrata Das is a Senior Manager (Technical) with Li & Fung (India) Private Limited, Bangalore. He has also worked as Scientist "D" with CSTRI, Central Silk Board, India. To date, he has published hundreds of technical articles in reputed national and international textile journals and presented 20 technical papers in various national and international conferences.

₹ 2195 | 978-93-80308-28-9 | 2013 | HB | 201 pages.

Mechanics and Calculations of the Textile Machinery



N. Gokarneshan, B. Varadarajan & B. Senthil Kumar

Mechanics and Calculations of the Textile Machinery is structured into two parts: mechanics and calculations of textile machines. One part of the book deals with mechanics and the other deals with fundamental calculations. The first part examines various types of power drives used in textile machinery, types of gears, design aspect of cone drums used in spinning machines, different types and design of cams used in ring frames and looms. The second part of the book focuses on energy calculations in textile machines, frictional forces and their calculation, clutches and brakes.

The text matter is also supported by many illustrations which would be useful to the readers. Moreover, lucid explanations are provided at appropriate places, enabling the book to be more reader friendly.

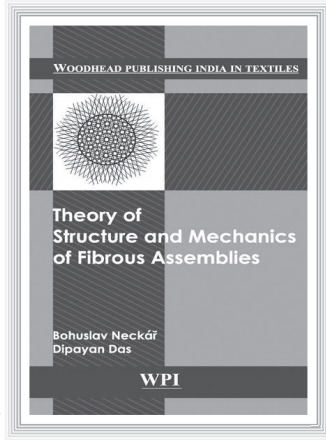
N. Gokarneshan is the Principal at NIFT TEA College of Knitwear Fashion, Tirupur, India.

B. Varadarajan is a professor at Department of Apparel Merchandising and Manufacturing, NIFT TEA College of Knitwear Fashion, Tirupur, India.

B. Senthil Kumar is the Head of Knitting Division at NIFT TEA College of Knitwear Fashion, Tirupur, India.

₹ 3295 | 978-93-80308-20-3 | 2012 | HB | 366 pages.

Theory of Structure and Mechanics of Fibrous Assemblies



Prof. Ing. Bohuslav Neckář, Dr. Dipayan Das

Theory of Structure and Mechanics of Fibrous Assemblies reports a system of theoretically derived inherent laws of fibrous assemblies. It includes original results of theoretical research carried out on fibrous assemblies. Chapters of this book are started with definitions, terminologies and fundamental relations. Then the theoretical models are presented from initial assumptions through mathematical derivations to final relations. Such theoretical results are mostly compared with experimental results.

The book can be useful as a textbook for university students as well as a special study material for scientific researchers. Each topic is started with very basic and simple discussion and gradually continued to more sophisticated formulations. The topics of this book can be understood as a road map only, which would guide us to create our own ideas and own understanding of the fibrous assemblies using our own mind.

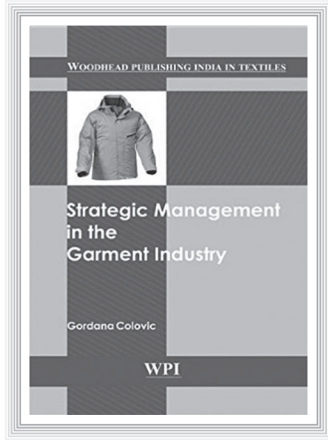
Prof. Ing. Bohuslav Neckář CSc. DrSc. is a Professor at Department of Textile Technology of Technical University of Liberec, Czech Republic.

Dr. Dipayan Das is an Assitant Professor at Department of Textile Technology of Indian Institute of Technology Delhi.

Both the authors have a common research interest in structure and mechanics of fibrous assemblies and yarns. They have published more than 100 research articles in this area in different peer-reviewed scientific journals.

₹ 2995 | 978-81-90800-17-4 | 2012 | HB | 310 pages.

Strategic Management in the Garment Industry



Gordana Colovic

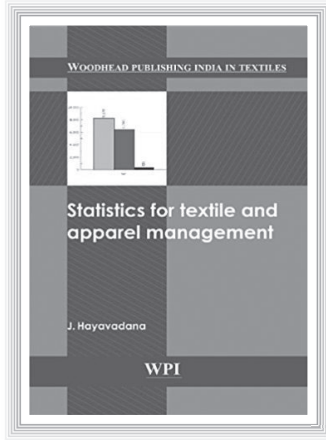
Strategy implementation and moving garment producers in a desired direction requires a special kind of expertise. Formulating a strategy requires an entrepreneurial focus and emphasizes the ability to conceptualize, analyze and weigh, whereas applying strategy has a primarily managing focus. All fashion companies must, regardless of their current situation, develop a longterm strategy. There is not a single strategy that would be optimal for all companies, because each of them must determine a strategy in accordance with its objectives, capabilities, resources and market position.

Strategic Management in the Garment Technology is the author's attempt to show advances in business strategy in the garment industry for current and future managers in garment industry, students of textile technology, engineers and top managers in garment industry. The book represents a milestone and applied concept for a modern environment that is characterized by permanent changes due to rapid development of technology and information systems. This requires a multidisciplinary approach to strategic management in garment industry, as the author presents through six areas of this unique book.

Gordana Colovic is a Professor at The College of Textile - Design, Technology and Management in Belgrade. She has authored four books and got her papers published in about 80 national and international journals.

₹ 2495 | 978-93-80308-22-7 | 2012 | HB | 240 pages.

Statistics for Textile and Apparel Management



J. Hayavadana

The role played by statistical techniques in any production system can never be underestimated. As a matter of fact, in textile production both online and offline quality control techniques are used, and even the apparel industry is much benefitted by the capability studies, which are purely based on statistical concepts.

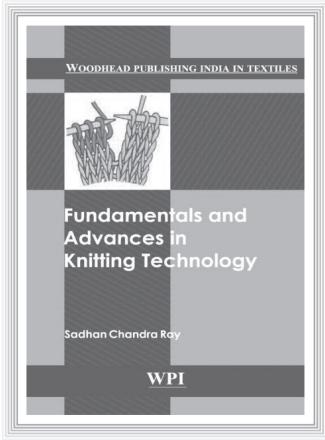
Statistics for Textile and Apparel Management provides a review of basic statistical tools used for evaluation of different textile and apparel production processes, which in turn increase the efficiency by alteration of the conditions. The book essentially caters to the need of academicians and textile professionals. Concepts have been derived from the basics. One specialty of the book is that the topics have been dealt with examples at appropriate stages and concepts have been demonstrated with worked out examples.

The book is divided into 11 chapters and in each chapter examples from spinning, weaving and apparel production are covered.

J. Hayavadana is Head of Department of Textile Technology at University College of Technology (Autonomous), Osmania University, Hyderabad.

₹ 3195 | 978-93-80308-04-3 | 2012 | HB | 368 pages.

Fundamentals and Advances in Knitting Technology



Sadhan Chandra Ray

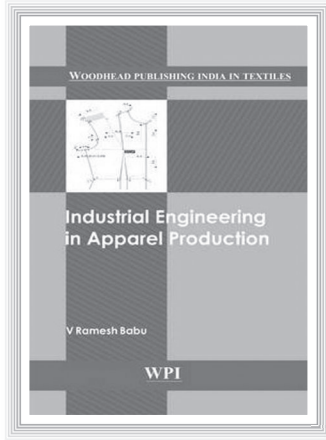
Fundamentals and advances in knitting technology is important as an updated reference source to designer, engineers and technicians involved in the manufacturer and use of knitted textile and garments. It is also be helpful as a practical guide to academicians and students.

This book looks at the history of knitting and how the process has evolved to the present. Chapters discuss the principles involved in different types of knitting machines and the different types of loops and knitted structures. The science and quality aspects of knitting, calculations related to knitting, and the mechanics of knitting are also examined.

Sadhan Chandra Ray is a Professor of Fabric Manufacture at Institute of Jute Technology, Kolkata. His fields of research are mechanics of fabric formation and structure-property relationship of fabrics. Apart from his 31 years of teaching and research, he has got published more than 50 papers in different national and international journals.

₹ 2995 | 978-93-80308-16-6 | 2011 | HB | 346 pages.

Industrial Engineering in Apparel Production



V. Ramesh Babu

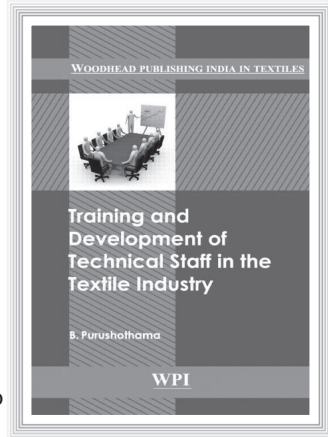
This book focuses on the industrial engineering aspects in apparel production. Garment fashion technology students, researchers and textile engineers will find this book useful.

Industrial Engineering in Apparel Production reviews the techniques for internal correction and openness to knowledge and technology approach that needs to be built into the mind of the faculty owners and managers and also down the line. The book focuses on the facilities to be upgraded as system run, rather than people run. Author emphasizes that industrial engineering concept need to be imparted to the facilities to increase productivity.

V. Ramesh Babu is a Senior Lecturer at the Department of Apparel and Fashion Technology, Sona College of Technology. He holds a postgraduate degree in textile technology and has a wide experience in the field of industrial engineering and merchandising.

₹ 2195 | 978-93-80308-17-3 | 2011 | HB | 184 pages.

Training and Development of Technical Staff in the Textile Industry



B. Purushothama

Training and Development of Technical Staff in the Textile Industry is an effort to explain various aspects of management related to training and development of technical staff. The book can help academia and the textile industry as a practical guide to students and professionals.

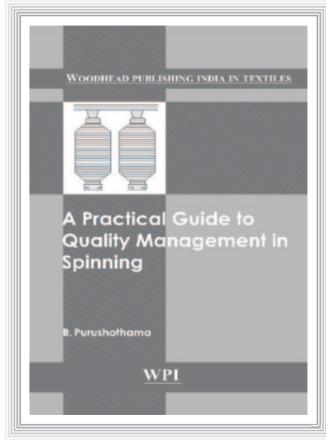
Often we hear the top management blaming their technical staff for the failures and losses the company is making, but what the top management is doing to educate and train their technical staff to make them efficient and effective supervisors is a million-dollar question.

There are number of books and articles available dealing with technology and management separately, but explaining how these techniques could be used in the daily life of a supervisor is very few. This book is an effort to explain various aspects of managements related to working on shop floor by supervisory staff. This book will act as a practical guide for the industry to develop their supervisory staff.

B. Purushothama is a Textile Consultant with more than 40 years of experience in various capacities in Spinning, Maintenance, and Quality Assurance. He is also the Lead Auditor in ISO 9000 since 1994. His two books "Humidification and Ventilation Management in Textile Industry" and "Effective Implementation of Quality Management Systems" have been already published by WPI.

₹ 3395 | 978-93-80308-21-0 | 2012 | HB | 270 pages.

A Practical Guide to Quality Management in Spinning



B. Purushothama

A Practical Guide to Quality Management in Spinning begins with the concepts of quality management system and then the objectives of product. The book explains the concepts of product objectives and the impact of product features at customer's end.

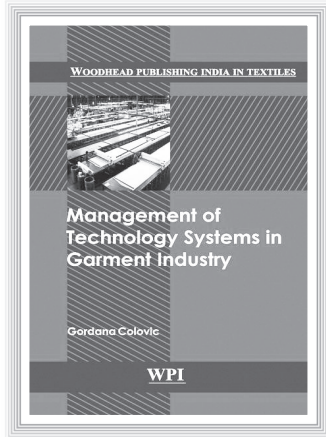
To produce good quality, one needs to take action at the source of generation of poor quality. Hence the reasons for getting poor quality is discussed in details with four angles viz. the raw material, the work practices, the machinery conditions and adapting of appropriate technology. The process-wise nonconformities are normally observed and the normal complaints from the customers are then discussed. In order to achieve the required results, monitoring the processes with suitable control points and check points are essential. These are discussed in detail.

The book will help the shop floor technicians as a practical guide and will be useful for students who want to become a spinner.

B. Purushothama is a Textile Consultant with more than 40 years of experience in various capacities in Spinning, Maintenance, and Quality Assurance. He is also the Lead Auditor in ISO 9000 since 1994. His two books "Humidification and Ventilation Management in Textile Industry" and "Effective Implementation of Quality Management Systems" have been already published by WPI.

₹ 2495 | 978-93-80308-08-1 | 2011 | HB | 239 pages.

Management of Technology Systems in Garment Industry



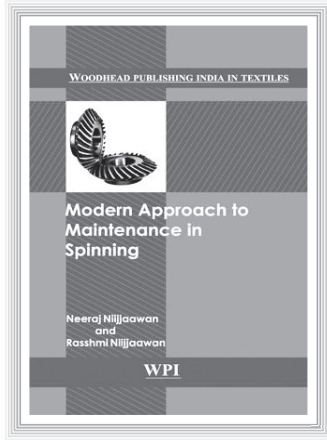
Dr. Gordana Colovic

Management of Technology Systems in Garment Industry provides ergonomic principles of times, machines, production space, materials and organisation, within contemporary demands of the international fashion industry. It presents the analysis of planning, layout and logistics in the production of clothing as key parameters of strategic and operating management. Tools for control as well as methods for determining the time of technological operations are described, which can be useful not only to beginners, but also to professionals experienced in this field. The book is comprehensive, with numerous examples from practice, and its content is highly useful for teachers, students and those who want to enter the world of garment industry.

Dr. Gordana Colovic is a professor with The College of Textile - Design, Technology and Management in Belgrade. She has a 22-year experience of teaching garment manufacturing technology, management for garment industry. She has authored 3 books and got her papers published in about 80 publications and symposiums.

₹ 2195 | 978-93-80308-07-4 | 2011 | HB | 200 pages.

Modern Approach to Maintenance in Spinning



Neeraj Nijhawan

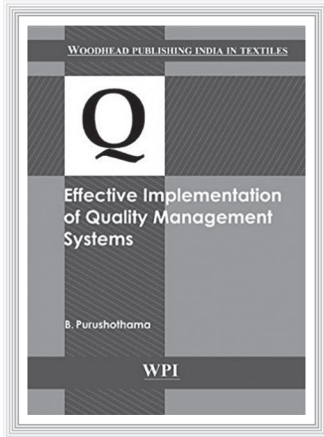
Modern Approach to Maintenance in Spinning is a simple and accessible guide to the knowledge required to fulfill the role of a maintenance manager in a textile mill. Covering the complete maintenance management program, the book will give a basic all-round understanding of even the small spare parts used in the machineries of spinning mill; hence it will be very useful for the shop-floor technicians also.

Students of diploma and degrees of textile technology will find that the fundamental principles of the subject are explained in the simplest way for proper understanding. The book will be helpful for them as a practical guide when they join textile manufacturing unit.

Neeraj Nijhawan is an industrial engineer with extensive hands-on, meticulous, bottom line-oriented experience of over 17 years in managing and delivering high quality spun yarn products. Presently, he is working as an Astt. General Manager (Technical) in a textile mill in Indonesia.

₹ 3495 | 978-93-80308-02-9 | 2010 | HB | 450 pages.

Effective Implementation of Quality Management Systems



B. Purushothama

Quality management systems plays an increasingly important role in the textile industry, both from the point of view of industry and consumer expectations. Effective implementation of quality management systems reviews effective ways of implementing these systems in textile industry or any other industry as well.

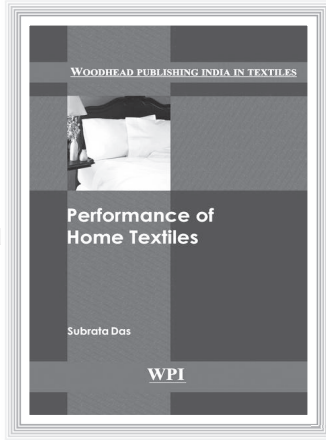
The book discusses ways of planning and establishing the quality management systems, implementing them through out the organization, monitoring and measuring the performance, correcting the deviations and taking preventive actions with the involvement of people and a committed management.

With a distinguished author having an experience of more than 18 years of implementing ISO 9001, the book will be an important reference work for the textile people and those who want to implement quality management systems wholeheartedly.

B. Purushothama is a Lead Auditor in ISO 9000 since 1994 and a certified Quality Analyst from Tata Quality Management Services. Being in the textile industry for the last 40 years, he has worked in various capacities in spinning, maintenance, and quality assurance.

₹ 1995 | 978-93-80308-03-6 | 2010 | HB | 160 pages.

Performance of Home Textiles



Dr. Subrata Das

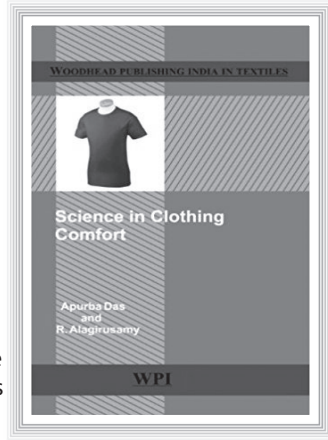
This book provides an overview of the types of fibres used in home textiles and key issues related to product development, industry standards, regulatory aspects, and evaluation systems. An understanding of these topics can assist the designer or manufacturer in developing product performance and quality in line with the value addition and to maintain the basic concept underlying in green consumerism.

The book emphasize on how to achieve the commercial success of desired end product through the knowledge of the key markets producing various home textiles, scope of development through sustainable and eco-friendly fibres, evaluation systems and above all safety aspects and environmental regulations.

Dr .Subrata Das is Scientist "D", Central Silk Technological Research Institute, Central Silk Board, India. To date, he has published hundreds of technical articles in reputed national and international journals and presented more than 20 technical papers in various national and international conferences.

₹ 2195 | 978-93-80308-09-8 | 2010 | HB | 232 pages.

Science in Clothing Comfort



Dr. R. Alagirusamy,
Dr. Apurba Das

Science in Clothing Comfort deals with the basic scientific concepts behind the various aspects of clothing comfort, like concepts of physics, neurosciences, psychological science, material sciences, ergonomics, instrumentation and textile engineering. The book would stimulate the minds for innovation, product design and development and material characterization with scientific approaches.

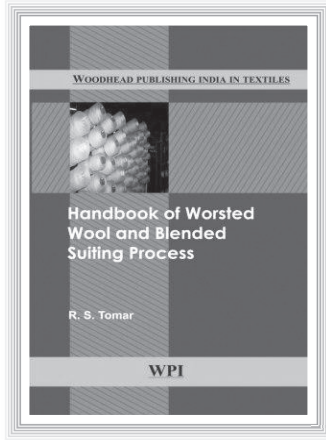
A basic understanding of comfort aspects of textile materials would be extremely useful for fibre, yarn and fabric manufacturer, researcher, garment designer, processing industries, garment houses, users of the fabrics for speciality applications and all others related with textile and garment industries. All the theories and concepts are discussed in simplest way.

Dr. R. Alagirusamy is a Professor in the Department of Textile Technology at Indian Institute of Technology, New Delhi. He has completed his Ph.D. from Georgia Tech, USA. He has authored several chapters in bestsellers in textiles and possesses several research papers published in reputed national and international journals.

Dr. Apurba Das is an Associate Professor in the Department of Textile Technology at Indian Institute of Technology, New Delhi. He has completed his Ph. D. from the same department in the year 1994 on the topic "Compressional behaviour of non-woven fabrics". He has joined IIT Delhi in 2002 as a faculty after working in the textile industries and in a research organization.

₹ 1995 | 978-81-90800-15-0 | 2010 | HB | 175 pages.

Handbook of Worsted Wool and Blended Suiting Process



R. S. Tomar

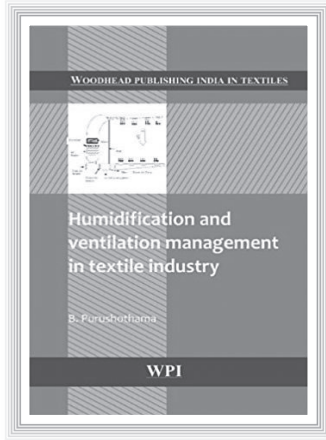
Over the years, worsted wool has been a popular choice for men's trousers, pleated skirts for women, and both men's suits and sport jackets. Because worsted wool is so durable, it wells very well and also drapes easily, making it an ideal fabric for all sorts of garments. In this book all processes carried out up to grey fabric stage are explained with visual aids and the quality test procedures are mentioned.

Faults visible in fabric can be back traced to either of these processes. Hence fabric defects have been categorised as spinning, weaving, dyeing and processing faults and also as mending faults arising due to mistakes in the fault removal or mending process. The book describes each fault along with possible causes of generation with visual aids wherever possible. Efforts have been made to cover various fabric faults along with remedial action and fabric swatches.

R. S. Tomar is the Deputy General Manager (Quality Assurance) with Raymond Ltd, India.

₹ 1995 | 978-93-80308-01-2 | 2010 | HB | 146 pages.

Humidification and Ventilation Management in Textile Industry



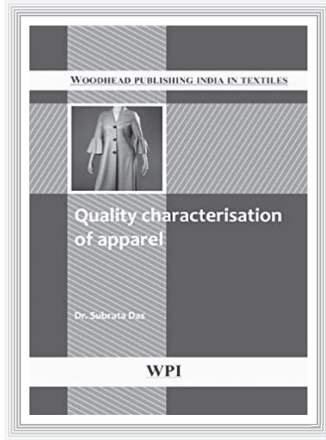
B. Purushothama

Humidification and Ventilation Management in Textile Industry is an attempt made to collect and provide information regarding the basic concepts and recent developments in humidification and ventilation management, varying needs of the industry, the problems associated with maintenance of plants to get the required conditions, designing of plant capacity, modification or designing of building to get the best results, various issues of health and hygiene, the pollution control issues, and various models available in the market. With the variety of topics covered, this book will be a valuable and informative guide for the humidification engineers, technologists, shop-floor technicians, and students of Textile Engineering.

B. Purushothama, in his service of 40 years in the textile and garment industry, has worked in various capacities in Spinning, Maintenance, Projects, Quality Assurance and in Research. He is a Lead Auditor in ISO 9000 since 1994 and a Certified Quality Analyst from Tata Quality Management Services. The Textile Association (India) awarded him fellowship in 1985, and Institute of Engineers in 2009.

₹ 3495 | 978-81-90800-12-9 | 2009 | HB | 446 pages.

Quality Characterisation of Apparel



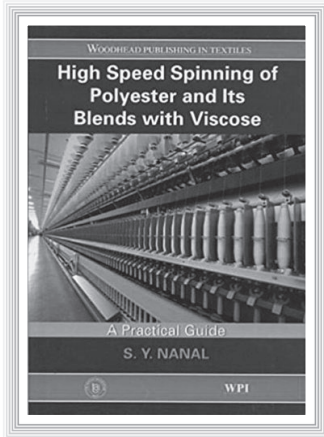
Dr. Subrata Das

Quality Characterisation of Apparel covers characterisation of performance, durability, and colour fastness of apparels along with mandatory regulations on flammability, fibre composition and care labels. The unique feature of this book is that the topics are oriented on actual practical way in which manufacturing units, buying agent and retailers are facing challenges on day-to-day basis in their business. This would help the apparel industry people to cut down quality-related rejections and also would be of an immense use for textile/garment manufacturers, buying offices, retailers and the educational cluster of garment/fashion.

Dr. Subrata Das is Scientist "D", Central Silk Technological Research Institute, Central Silk Board, India. To date, he has published hundreds of technical articles in reputed national and international textile journals and presented 20 technical papers in various national and international conferences. He is an ISO 17025 assessor under National Accreditation Board for Testing & Calibration Laboratories, Delhi.

₹ 2195 | 978-81-90800-13-6 | 2009 | HB | 180 pages.

High Speed Spinning of Polyester and Its Blends with Viscose



Published in Association with
The Textile Association of India

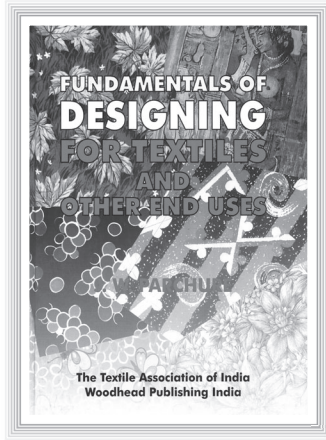
S. Y. Nanal

The book is a product of the consultation experiences gained in the process of helping four mills that are running their ring frames at the highest spindle speed in the world; and so it would be of great help in outlining a practical plan of action. The book examines economics of high-speed spinning and ends up predicting the future of high speed spinning technology. It includes four live case studies of spinning mills in India that are running their ring frames successfully.

S. Y. Nanal had been in the textile industry for more than 33 years. He was awarded the Fellowship of the Textile Institute Manchester (FTI) in 1973; and in 1983, The Textile Association India honored him with an Honorary Fellowship of the Textile Association India.

₹ 1995 | 978-81-90800-11-2 | 2009 | HB | 134 pages.

Fundamentals of Designing for Textiles and Other End Uses



Published in Association with

The Textile Association of India

J. W. Parchure

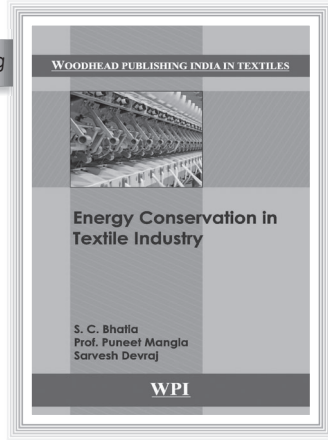
The book covers the essential aspects of textile designs and would be useful to the students aspiring for career in textile designing. The book deals with the difference between textile designs and other designs, general rules, salient features of textile designs, etc. It covers many important products in textiles and also includes chapters on embroidery, laces designs, etc. The book concludes with the role of computer in textile designing. The book also includes three hundred illustrations, including diagrams and finished designs in various illustrations.

J. W. Parchure, with more than 19 years of experience in Textile designing and 33 years in Commercial designing, is conversant with both. Besides he participated in art exhibitions all over India, acquiring some prizes. He also held exhibitions of his paintings in Gallerie Taj Caribe, New York, in 1974 and in Mumbai in 2003.

₹ 2195 | 978-81-90800-10-5 | 2009 | HB | 79 pages.

Energy Conservation in Textile Industry

Forthcoming



S. C. Bhatia, Prof. Puneet Mangla and Sarvesh Devraj

This book on Energy conservation in textile industry summarises various aspects of energy consumption and conservation and is divided into 22 chapters. This edition discusses: energy conservation in spinning process, energy conservation in weaving process, energy conservation in wet processing, energy conservation in drying process, energy conservation in textile finishing, energy conservation in man-made fibre industry, recycling and conservation of water, cogeneration, energy efficient boilers, efficient steam generation and waste heat recovery, thermal and electrical conservation, energy efficient motors, gears, fans and compressors, energy efficient pumps and V-belts, energy efficient fuel oils and lubricants, energy saving in cooling towers, energy audit in textile industry. A unique features of the book is chapters on carbon footprint in textile industry and role of nanotechnology in energy conservation in textile industry.

S. C. Bhatia, a Chemical Engineer for BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

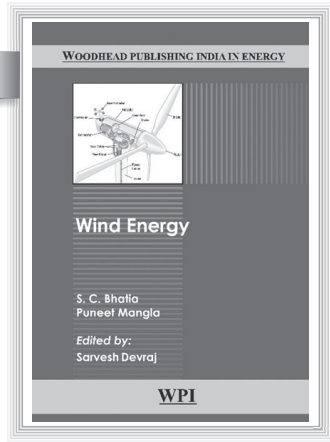
Prof. Puneet Mangla, B.E. (Industrial Production), M.Tech. (Engineering Systems), Head and Associate Professor, Department of Mechanical Engineering, Hindustan College of Science and Technology (Mathura – UP). He has published various papers in Indian and International Journals of repute.

Sarvesh Devrajhas done post-graduation (M.Tech) in Renewable Energy Engineering and Management from the Energy and Resources Institute (TERI) University, New Delhi (2013–2015). Currently in TERI, he is working as Research Associate in Energy Environmental Technology Development Division on Renewable Energy aspects.

₹ TBA | N/A | 2020 | HB | 360 pages approx.

Wind Energy

New



S. C. Bhatia, PuneetMangla, Edited by: Sarvesh Devraj

This book discusses Global status of wind energy, wind turbine technology, planning wind projects, wind resource assessment, offshore wind energy, major failures in wind turbines, role of lubricants in wind energy, wind energy based desalination processes and plants, environmental and ecological aspects of wind energy, carbon footprint of wind energy, barriers to wind energy, economics of wind energy. A unique features of the book is chapters on improving wind turbine performance using Nanomaterials and wind energy powering agriculture.

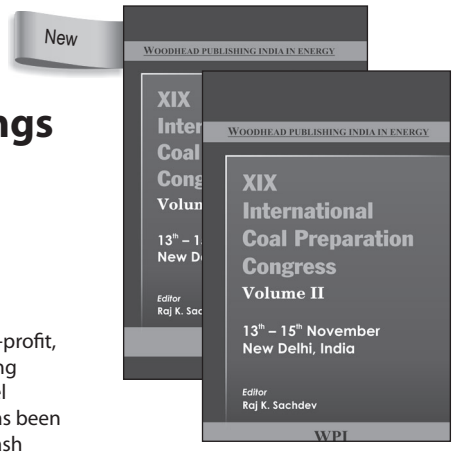
S. C. Bhatia is a Chemical Engineer from BITS, Pilani, India. He is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

Prof. Puneet Mangla is the Head and Associate Professor in Department of Mechanical Engineering, Hindustan College of Science and Technology, Mathura, Uttar Pradesh, India. He has published various papers in Indian and International Journals of repute.

Sarvesh Devraj has done post-graduation (M.Tech) in Renewable Energy Engineering and Management from the Energy and Resources Institute (TERI) University, New Delhi, India (2013–2015). Currently he is working in TERI as a Research Associate in Energy Environmental Technology Development Division on Renewable Energy aspects.

₹ 3495 | 978-81-936446-2-1 | | 2019 | HB | 300-320 pages approx.

XIX International Coal Preparation Congress Proceedings Paper
(2 Volumes Set)



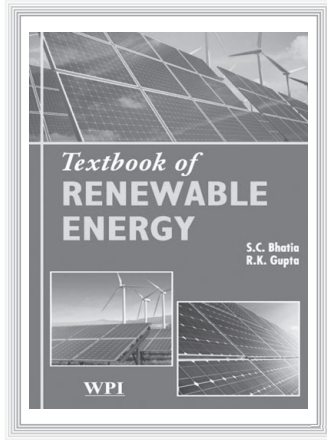
Raj K. Sachdev

Coal Preparation Society of India is a non-profit, non-government professional body having members from coal, power, iron, and steel sectors and their allied industries. CPSI has been dedicatedly promoting washing of high ash domestic coal to improve it's quality and enhance it's calorific value. Such efforts will lead to more environment friendly usage of coal as a source of energy. It will therefore be a step, which will facilitate fulfilling the country's commitment to decisions taken in COP 21. CPSI is a front runner in the promotion of use of washed coal in India. This book contains over 100 high quality papers from some 15 countries, covering all aspects of coal processing and also touching upon gasification, coal to chemicals and emerging uses of coal through its conversion into high value, low polluting energy and petro substitutes.

Mr. Raj K. Sachdev is a qualified Mining Engineer from the Indian School of Mines (IIT), Dhanbad, a Certified First Class Colliery Manager, and a Fellow of Institution of Engineers (India) and Member, Mining, Geological & Metallurgical Institute, India. He is also a Fellow of East – West Centre, Honolulu, Hawaii, USA. During his outstanding professional career, Mr. Sachdev held many senior positions in the Indian coal industry as well in the Government of India. He had played a key role in establishment of Central Mine Planning & Design Institute at Ranchi and its Regional Institutes. His last official position was Adviser in the Ministry of Coal where he was responsible for project appraisal, perspective planning, new technologies, international collaboration and allied coal policy initiatives. He was a Member of Research Council of CFRI (now CIMFR) and also on the Executive Board of the Indian School of Mines (IIT), Dhanbad. He was an Advisor to the Expenditure Reforms Commission constituted by the Government of India to review the organizational structures of various government ministries and departments. He was also associated with multilateral bodies like US-AID, GIZ GmbH, IEA, OECD, IEA Clean Coal Centre, J Coal, Science Applications International Corporation (SAIC) etc. He is the Founder and President of Coal Preparation Society of India (CPSI) and Chairman of the International Organizing Committee (IOC) of the XIX International Coal Preparation Congress (ICPC) held under the aegis of CPSI from 13th to 15th November 2019 in New Delhi, India.

₹ 4995 | 978-93-88320-19-1 | 2019 | HB | 1164 pages.

Textbook of Renewable Energy



S. C. Bhatia and R. K. Gupta

Renewable energies are sources of clean, inexhaustible and increasingly competitive energy. They differ from fossil fuels principally in their diversity, abundance and potential for use anywhere on the planet, but above all in that they produce neither greenhouse gases – which cause climate change – nor polluting emissions. There are many forms of renewable energy. Most of these renewable energies depend in one way or another on sunlight. Wind and hydroelectric power are the direct result of differential heating of the Earth's surface which leads to air moving about (wind) and precipitation forming as the air is lifted. Solar energy is the direct conversion of sunlight using panels or collectors. Biomass energy is stored sunlight contained in plants. Other renewable energies that do not depend on sunlight are geothermal energy, which is a result of radioactive decay in the crust combined with the original heat of accreting the Earth, and tidal energy, which is a conversion of gravitational energy.

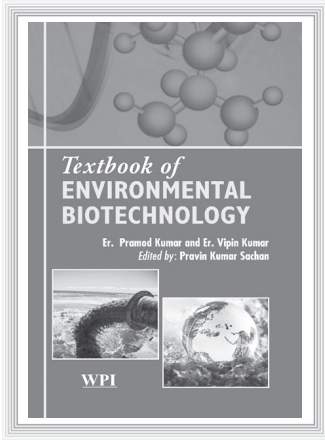
This 'Textbook of Renewable Energy' summarises various aspects of renewable energy and is divided into 16 chapters. This edition discusses renewable energy, solar radiation and its measurement, solar thermal energy conversion system, solar photovoltaic systems, biogas, biomass, biofuels, wind energy, fuel cells, tidal energy, hydrogen energy, geothermal energy,ocean thermal energy conversion, renewable energy applications in developing smart cities, environmental aspects of electrical energy generation. A unique feature of the book is chapter on magneto hydro dynamic power generation.

S. C. Bhatia is a Chemical Engineer from BITS, Pilani. Heholds an MBA degree. He is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

R. K. Gupta has done hisB.Tech (Mech) from S. D. College of Engineering and Technology Muzaffarpur, Bihar, India.

₹ 695 | 978-81-936446-0-7 | 2018 | HB | 334 pages.

Textbook of Environmental Biotechnology



Er. Pramod Kumar, Er. Vipin Kumar, Pravin Kumar Sachan

Environmental biotechnology is a vast and rapidly growing field, which continues to revolutionise the understanding of basic life sustaining processes in the environment, by identifying and exploiting the biomolecules and their, utilities to provide clean technologies, in order to counter environmental problems. This 'Textbook of Environmental Biotechnology' summarises various aspects of environmental biotechnology and is divided into 13 chapters. This edition discusses: scope of environmental biotechnology, environment and ecology, environmental pollution, microbial metabolism, analytical techniques for environmental monitoring, management and treatment of waste bioreactors for waste treatment effluent treatment, value added products from organic waste global environmental issues at national and international level. A unique feature of the book is chapters on biological waste treatment bioremediation and bioenergy from waste.

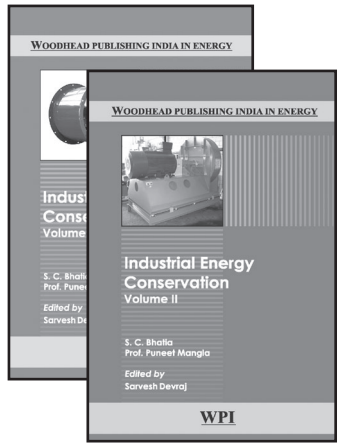
Pramod Kumar, Assistant Professor & Head, Department of Biotechnology Engineering at Hindustan College of Science & Technology. He is M.Tech in Chemical Technology (Specialisation in Biochemical Engineering) from Harcourt Butler Technical University, Kanpur. He has more than 11 years experience of teaching and conducting research in industrial biotechnology and bioenergy sector.

Vipin Kumar, Assistant Professor in Department of Biotechnology Engineering at Hindustan College of Science & Technology. He is M.Tech in Chemical Technology (Specialisation in Biochemical Engineering) from Harcourt Butler Technical University, Kanpur. He has more then 8 years of teaching and research experience in field of biotechnology.

Pravin Kumar Sachan, Assistant Professor, Department of Biochemical Engineering & Food Technology at Harcourt Butler Technical University, Kanpur. He has more then 9 years of teaching and industrial experience in field of biotechnology.

₹ 595 | 978-93-85059-38-4 | 2018 | HB | 316 pages.

Industrial Energy Conservation (Volume I&II)



S. C. Bhatia

Industrial energy conservation contributes to solution of the global issues such as energy security and possible future exhaustion of oil. Industrial energy efficiency is a key ingredient in any national energy efficiency programme. Energy is one of the most important building block in human development, and, as such, acts as a key factor in determining the economic development of all countries. There is, therefore, an urgent need to conserve energy and reduce energy requirements by demand-side management and by adopting more efficient technologies in all sectors. In fact, energy is one of the pillars that support the entire superstructure of the modern civilization.

This book on Industrial Energy Conservation summarizes various aspects of industrial energy consumption and conservation and is divided in two volumes. Volume I contains 1 to 18 chapters and Volume II has 19 to 35 chapters.

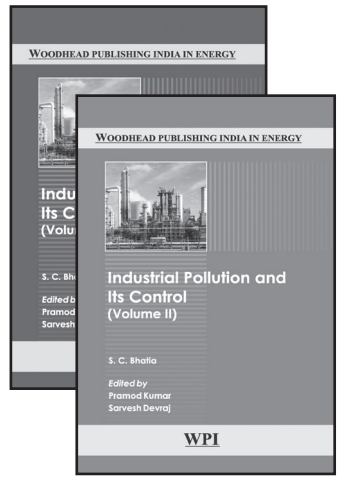
This book discusses: energy efficiency technologies related to boiler, steam distribution and waste heat recovery, energy conservation in chemical process and allied industries, petroleum refineries and petrochemicals, plastic and rubber, tannery, textile, electrical, mechanical, cement, ceramic and glass, metallurgical and mining industries. A unique feature of the book is the chapter on nanotechnology in energy conservation.

S. C. Bhatia, a Chemical Engineer from BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

Sarvesh Devraj has done post-graduation (M.Tech) in Renewable Energy Engineering and Management from the Energy and Resources Institute (TERI) University, New Delhi (2013–2015). Currently in TERI, he is working as a Research Associate in Energy Environmental Technology Development Division on Renewable Energy aspects.

₹ 6995 | 978-93-85059-25-4 | 2017 | HB | 870 pages.

Industrial Pollution and Its Control (Volume I&II)



S. C. Bhatia

Industries contributes various kinds of pollutants to the environment. Different countries in the world are facing different types of industrial pollution problems. Industrial pollution has attracted a lot of attention. The industrial sector generates both traditional pollutants (e.g., organic substances, sulphur dioxide, particulates and nutrients) and newly-recognised pollutants (e.g., specific toxic substances). Thus, industry has particular environmental responsibilities in terms of such factors as plant location and design, environmental pollution, vibration and noise controls, waste disposal, occupational health and safety aspects, and long-range planning.

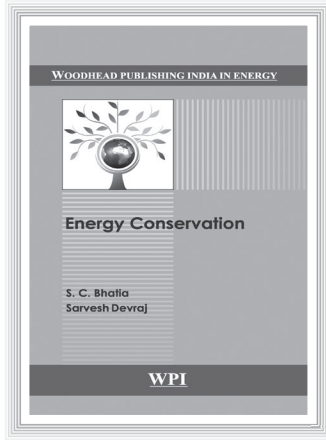
This book on industrial pollution and its control summarises various aspects of pollution prevention and waste minimisation aspects in various industries and is divided in two volumes. Volume I contains 1 to 22 chapters and Volume II has 23 to 50 chapters. This book discusses: emissions from particulate matter and its control, industrial wastewater and its treatment, common effluent treatment plant, industrial biotechnology and climate change, pollution control in mechanical, electrical, metallurgical and mining industry, pollution control in cement, ceramic and glass industry, pollution control in chemical process and allied industries, pollution control in sugar, pulp and paper, rubber and plastic industries. A unique features of the book is chapters on process integration for pollution prevention and energy saving and nanotechnology for industrial pollution prevention.

S. C. Bhatia, a Chemical Engineer from BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

Sarvesh Devraj has done post-graduation (M.Tech) in Renewable Energy Engineering and Management from the Energy and Resources Institute (TERI) University, New Delhi (2013–2015). Currently in TERI, he is working as Research Associate in Energy Environmental Technology Development Division on Renewable Energy aspects.

₹ 7495 | 978-93-85059-24-7 | 2017 | HB | 962 pages.

Energy Conservation



S. C. Bhatia, Sarvesh Devraj

Energy Conservation promises to fill the gap between supply and demand. Several measures for conservation of energy are very important for consideration. The energy audit can unearth huge profits to the industry. Saving of usable energy, which is otherwise wasted, has direct impact on economy, environment and long term availability of non-renewable energy resources. Energy conservation implies reduction in energy consumption by reducing losses and wastage by employing energy efficient means of generation and utilisation of energy. Opportunities to improve industrial energy efficiency are found throughout the industrial sector. Improved energy system efficiency can also contribute to a company's bottom line by increased production through better utilisation of equipment assets, greater reliability and reduced maintenance costs.

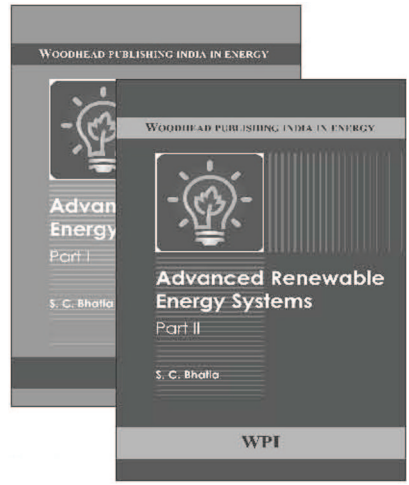
This book on energy conservation summarises various aspects of energy consumption and conservation, and is divided into 21 chapters. This edition discusses: Energy conservation in various industries such as food industry, chemical industry (petroleum refinery, fertiliser, pulp and paper), textile industry, cement, ceramic and glass industry, iron and steel industry and various equipment like boilers, motors, fans, compressors, etc. This book is a complete treatise on energy conservation and also includes a chapter on energy conservation in Thermal Power Plants. This book on energy conservation will be useful for professionals, industrialists and consultants in the respective fields.

Mr S. C. Bhatia, a Chemical Engineer from BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

Mr Sarvesh Devraj has done post-graduation (M.Tech) in Renewable Energy Engineering & Management from The Energy and Resources Institute (TERI) University, New Delhi (2013–2015). Currently in TERI, he is working as the Research Associate in Energy Environment Technology Development Division on Concentrated Solar Thermal Applications in industries. In this project he has studied feasibility of solar thermal installation in various industries of Southern and Central India.

₹ 3495 | 978-93-85059-23-0 | 2016 | HB | 370 pages.

Advanced Renewable Energy Systems
(Part 1 and Part 2)



S. C. Bhatia

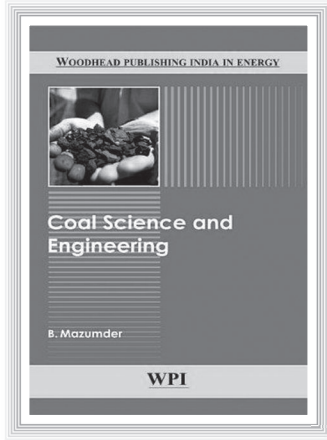
Renewable energy is a natural energy which does not have a limited supply. Renewable energy can be used again and again and will never run out. Renewable energy is derived from natural processes that are replenished constantly. In its various forms, it derives directly from the sun, or from heat generated deep within the earth. Included in the definition is electricity and heat generated from solar, wind, ocean, hydropower, biomass, geothermal resources, and biofuels and hydrogen derived from renewable resources.

The book is a complete treatise on renewable energy sources and also includes issues relating to biofuels. It aims to serve as a text for the undergraduate and postgraduate students in relevant disciplines and a reference for all the professionals in the related fields.

S. C. Bhatia, a Chemical Engineer from BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

₹ 4995 | 978-93-80308-43-2 | 2014 | HB | 775 pages.

Coal Science and Engineering



B. Mazumder

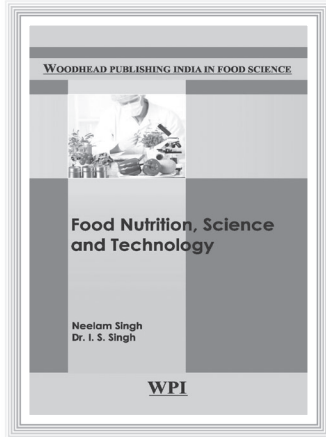
In view of the fact that India has a large reserve of coal, emphasis should be laid more on study and exploitation of coal for both our energy and essential chemical feed stock. Unfortunately, with easy availability of petroleum fuel in last few decades, research and studies on coal has been neglected to a point when essential knowledge and information with respect to coal has become very difficult to find.

The book is written with above objective in mind and incorporates ample references for further studies for serious readers. The book will be a helpful unified source of information on coal for both students specializing in coal while provide a reference source for entrepreneurs working on coal.

B. Mazumder is an Emeritus Scientist, Council of Scientific & Industrial Research, at IMMT Research Laboratory, Bhubaneswar, Orissa.

₹ 3395 | 978-93-80308-23-4 | 2012 | HB | 450 pages.

Food Nutrition, Science and Technology



Neelam Singh and Dr. I.S. Singh

The book addresses comprehensive picture on three aspects of food. Part I- Food nutrition, which covers fundamental of food and nutrition, macro nutrients, micro nutrients, nutritive value of plant and animal based food and dietary allowance in normal life cycle and in various diseases. Part IIFood science which includes food sources, nutritional benefits maximization, food selection, food storage, food enzymes, food additives, food preservation techniques, food quality evaluation and food packaging. Part III- Food technology which deals processing techniques of various products of cereals, pulses, nuts and oil seeds, fats and oil, fruits, vegetables, spices, mushrooms, sugar cane, tea, coffee, milk, meat, poultry and fish, processing waste utilization and food safety.The information provided in this book would serve as knowledge pool.

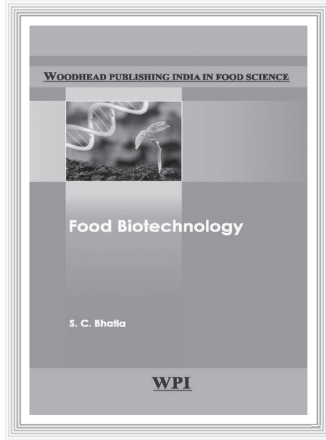
The book can be of great use to under graduate and post graduate students, teachers, researchers, extension workers, entrepreneurs, processors and others interested in these fields.

Neelam Singh has done her MSc. in Food and Nutrition from the Karnataka State University, India. She is a post bachelorette student in Dietetics at Oregon State University (USA)- 2016-2018. She is currently volunteering as nutrition educator at providence hospital, Milwaukie, Oregon, USA.She has worked at Manipal hospital, nationwide primary health care, healthcare magic, Dringo, VLCC, as a dietitian. She also worked as a consultant dietitian and involved in educating groups, companies on different aspects of nutrition and nutrition related health issues. She has appeared on national radio (India) on healthy eating as well as written articles for the newspapers on health-related issues.

Dr. I. S. Singh, MSc (University of California Davis) and PhD, He received advance Training in Food Technology at CFTRI Mysore, Karnataka, India. He has more than 45 years of experience in teaching, research and extension in field of post harvest technology in various universities.

₹ 4195 | 978-93-85059-43-8 | 2018 | HB | 572 pages.

Food Biotechnology



S. C. Bhatia

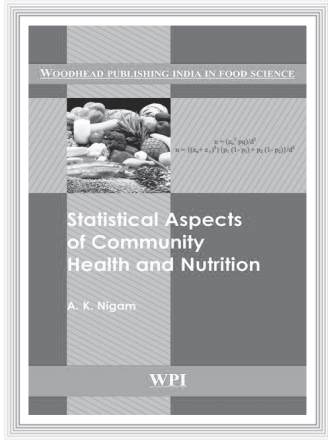
Today, in the arena of food, the primary goals of food biotechnology are to provide a more abundant, less expensive, and a more nutritious food supply in order to address the needs of our growing global population. Today, food biotechnology utilizes the knowledge of plant science and genetics to further this tradition. Through the use of modern biotechnology, scientists can move genes for valuable traits from one plant to another. This process results in tangible environmental and economic benefits that are passed on to the farmer and the consumer. This book on Food Biotechnology is divided into seven sections and contains 24 chapters and a case study.

The book caters to the requirement of the syllabus prescribed by various Indian universities for undergraduate and postgraduate courses in Engineering. It has been prepared with meticulous care, aiming at making the book error-free. Constructive suggestions are always welcome from users of this book.

S. C. Bhatia, a chemical Engineer from BITS, Pilani and also an MBA, is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

₹ 3895 | 978-93-85059-18-6 | 2016 | HB | 425 pages.

Statistical Aspects of Community Health and Nutrition



A. K. Nigam

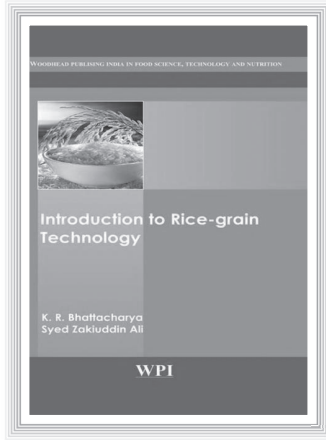
Statistical Aspects of Community Health and Nutrition is an outcome of the long experience of the author in the area of community health and nutrition. It is written in a simple and easy to understand form and has a very wide coverage.

Besides topics like research methods, maternal and infant survival, nutritional status, nutritional deficiency disorders, gender disparity and adolescent reproductive sexual health, the book describes some statistical methods which are very promising but have hardly been used in India. These are measurements of hunger and food security, hunger mapping, diseases in community clusters, randomized response technique for sensitive characteristics and small area estimation for inadequate sample size. Each of these techniques is explained through live data examples. The book will be extremely useful for senior and mid-level research managers engaged in project research in community health and nutrition. It will be equally useful to students, faculty and research workers. It will also be useful for statisticians, demographers, and workers from health, nutrition, anthropology and sociology, engaged in monitoring and evaluation of research projects.

Prof. A. K. Nigam is a PhD holder from Banaras Hindu University and has taught in various capacities at the Indian Agricultural Statistics Research Institute and Lucknow and Banaras Hindu Universities. He has over 50 years of wide ranging experience and has contributed significantly in the theory and applications of Statistics; especially in the field of public health, food and agriculture and nutrition. He has 100 research publications in national and international journals and has published two books, one hand-book and four research monographs. Currently Prof. Nigam is Consultant Advisor to the Institute of Applied Statistics and Development Studies (IASDS). He was a member of the U.P. State Task Force on Micronutrients and is an Honorary Professional Member of International Society for Development and Sustainability (ISDS), Japan. Earlier as Director of IASDS he led the Institute reach its zenith and as a result IASDS received highest score under item Projects, and fifth rank under the item Expertise amongst all institutions at national/regional level, in the Analytical Report on Survey Capabilities by Central Statistical Office.

₹ 2995 | 978-93-85059-10-0 | 2016 | HB | 284 pages.

Introduction to Rice-grain Technology



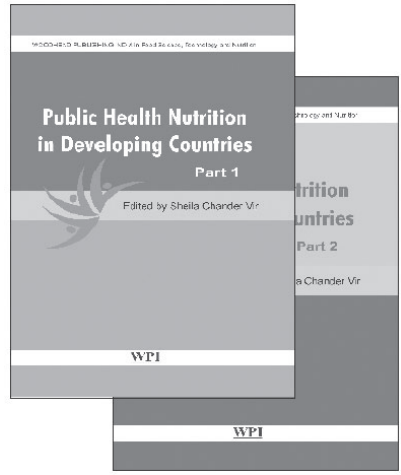
Dr. K. R. Bhattacharya, Syed Zakiuddin Ali

Introduction to rice-grain technology presents the knowledge of the science and technology of the rice grain. It presents the essence of the theory and practice of drying, storing, milling, ageing, parboiling, products-making, and byproducts utilisation of rice in a simple, unencumbered style. This book would also be a welcome to the students of food technology for their first exposure to the topic.

Kshirod R. Bhattacharya has worked uninterruptedly in a National Laboratory and then in a premiere rice company in R & D on the rice grain, making unique contributions in every branch of its science and technology for 51 years (1960–2011). He has taught and advised students, wrote many articles and chapters, and authored 'Rice quality: a guide to rice properties and analysis' (Woodhead Publishing, Cambridge, 2011).

₹ 3295 | 978-93-80308-58-6 | 2015 | HB | 450 pages.

Public Health Nutrition in Developing Countries
(Part 1 and Part 2)



Dr Sheila C. Vir

Public Health Nutrition in Developing Countries focuses on application of public health and nutrition sciences for formulating strategies and actions for preventing and solving the serious problem of malnutrition in developing countries. This book presents an update on public health nutrition problems of developing countries along with a description of approaches used and efficacy of trials undertaken for addressing them.

The book will be a very useful reference not only for nutritionists and public health specialist but also for pediatricians, development professionals, programmers and international agencies. It should be of interest to politicians, policy makers, bureaucrats, economists and agriculture scientists.

The editor, **Dr Sheila C. Vir,** has over 25 years of experience working with UNICEF and has contributed significantly in the field of public health nutrition.

Foreword of this book is by Dr. Kraisid Tontisirin, Chairman of the Policy Board, The Thailand Research Fund, Bangkok.

₹ 5595 | 978-93-80308-06-7 | 2011 | HB | 1244 pages.

Recent Trends in Soft Beverages

L. Jagan Mohan Rao

Recent Trends in Soft Beverages provides recent developments in value addition of coffee, tea and soft drinks. The book also describes their chemistry, technology, quality control with respect to raw material as well as finished product, valueadded product development and marketing strategies.

It is an excellent reference for researchers and students who are interested in soft beverages.

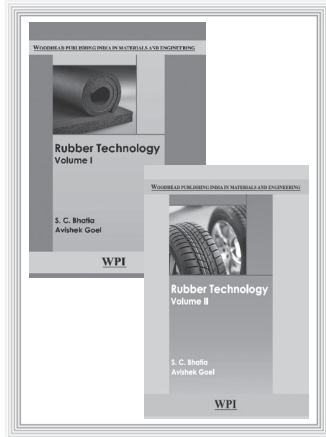
L. Jagan Mohan Rao is presently working as Senior Scientist at Department of Plantation Products, Spices and Flavour Technology at Central Food Technological Research Institute, Mysore. He got CFTRI Foundation Award for his scientific and technical contributions. He was awarded the UNU-KIRIN Fellowship by United Nations University, Tokyo, and Fellowship of Institution of Chemists (India) in 1990. He is on editorial board of many prestigious national and international journals.

₹ 3295 | 978-93-80308-12-8 | 2011 | HB | 260 pages.

Rubber Technology

(2 Volumes)

S. C. Bhatia and Avishek Goel



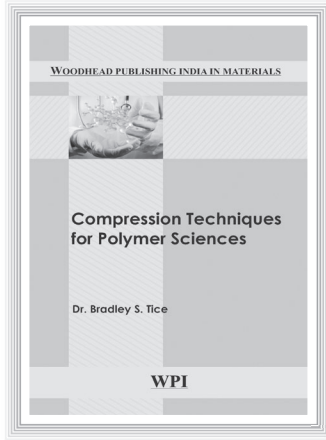
This volume book discusses basic concepts of polymerisation, natural rubber, synthetic rubbers: an overview, styrene butadiene rubber, polybutadiene rubber, polyisoprene rubber, butyl and halobutyl rubber, ethylene propylene rubber, thermoplastic rubber (Elastomers), chloroprene rubber, chlorosulphonated polyethylene rubber, nitrile rubber, polyacrylic rubber, fluorocarbon rubber, silicone rubber, thermoplastic polyurethane, PEVA, chlorinated polyethylene and ethylene acrylic elastomers, polysulphide, norbornene and polyphosphazene rubbers, materials for compounding and reinforcement, mixing and curing of rubber compounds, calendering, extrusion and molding of rubber compounds.A unique features of the book is chapter on chemistry and technology of vulcanisation.

S. C. Bhatia is a Chemical Engineer from BITS, Pilani, India. He is a consultant in Environmental and Pollution Control, Energy Conservation and Polymer Sciences.

Avishek Goel is currently working as a Research Associate at The Energy and Resources Institute (TERI) in the Renewable Energy Technologies Division. He has completed his under graduation (B.E. Hons) in Mechanical Engineering from BITS Pilani, Dubai Campus, UAE. In TERI he was involved in research, design and development of biomass-based clean energy technology related projects. Currently he is also involved in an Indo-Egypt project on plastic wastes.

₹ 4695 | 978-93-88320-00-9 | 2018 | HB | 701 pages.

Compression Techniques for Polymer Sciences



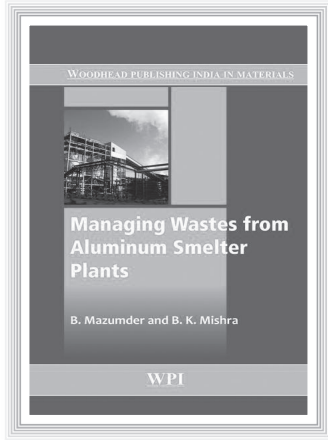
Dr. Bradely S. Tice

Compression Techniques for Polymer Sciences addresses the use of algorithmic complexity to perform compression on polymer strings to reduce the redundant quality while keeping the numerical quality intact. It provides a description of the types of polymers and their uses. Also, the various types of compression systems that can be used to compress polymer chains into manageable units are described.

Dr. Bradely S. Tice is the Institute Professor of chemistry at the Advanced Human Design, located in The Central Valley of Northern California, USA. He is a fellow of the Royal Statistical Society, a member of the Royal Pharmaceutical Society, and a Fellow of The British Computer Society.

₹ 2595 | 978-93-80308-31-9 | 2015 | HB | 166 Pages.

Managing Wastes from Aluminum Smelter Plants



Dr. B. Mazumder,
Dr. B. K. Mishra

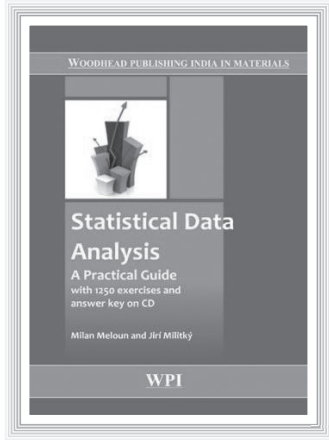
Managing Wastes from Aluminum Smelter Plants discusses major environmental polluting waste material from aluminium industries and particularly, stresses upon decontaminating spent pot liner. The book incorporates author's direct experience in handling this toxic waste and discuses his world patents and semicommercial plant operation in decontaminating spent pot liner and recovering its carbon value. Demand for aluminium metal in domestic as well as in industrial sector has gone up leaps and bounds in last four decades, so is the generation of wastes by these aluminium plants. This book depicts all the work done in last few decades to develop a process for safe disposal of these toxic wastes, and after analyzing these results suggests a method for value addition to these toxic wastes in order to make the decontamination process economically viable.

Dr. B. Mazumder is an emeritus scientist, Council of Scientist & Industrial Research, at IMMT research laboratory Bhubaneswar, Orissa. He has more than 15 patents filed in India, USA and European countries. He has more authored 7 books and got published 35 papers in India as well as International journals. His research interest lies in the area of high temperature science which includes carbon technology, molten salt chemistry, ferrous and nonferrous metallurgy, as well as energy technology.

Dr .B. K. Mishra is, presently, the director at Institute of Mineral and Materials Technology, Bhubneswar, Orissa. He was awarded National Mineral and IIME Mineral Beneficiation awarded in India. He was more than 100 papers published in India as well as international journals and more than 6 patents to his credit. His areas of research are ultra fine particle processing, colloidal system, solid flow modelling and simulation of mineral processing operations.

₹ 1995 | 978-93-80308-13-5 | 2011 | HB | 130 pages.

Statistical Data Analysis: A Practical Guide



Milan Meloun, Jiri Militký

The statistical analysis of data continues to gain in importance as an essential approach in numerous natural, medical, technical and social sciences. Contrary to classical mathematical statistics, the emphasis here is placed not on specific methods, but on their suitable combination, allowing the assessment of data quality and the selection of a suitable statistical model, including its verification. Statistical Data Analysis: A Practical Guide includes interactive statistical analysis theory with plenty of graphic diagnostics and numerous model examples solved in detail. The book also features 1,250 practice exercises from the natural sciences, medicine, economics, sociology, technology and the environment. The necessary statistical software QC-EXPERT with manual is provided for this on the CD. The reader is therefore fully equipped to carry out his or her own computer analysis of data.

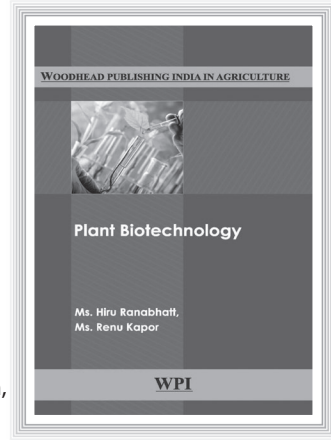
With the selected appendices examples, exercises, and data on the accompanying CD, the book may be directly applied in chemical laboratories or in chemometrics, biometrics and also in economics in econometrics, sociology, medicine, and in monitoring the environment.

Milan Meloun (Prof. RNDr. DrSc., PhD.) is a Professor at the Department of Analytic Chemistry at the University of Pardubice, Czech Republic. He may be considered as one of the leading proponents of chemometrics in the Czech Republic, which is evident from his extensive publishing activity, not to mention his own school of chemometrics, documented by scientific textbooks and monographs. He is on the editorial board of foreign professional journals and secretary of the Chemometrics section of the Czech Chemical Association.

Jiri Militký (Prof. Ing. PhD.) is the Head of the Department of Textile Materials at Technical University Liberec, Czech Republic. He graduated from the Faculty of Textiles, specializing in textile chemistry at VŠST in Liberec in 1973. From 1974 to 1976 he worked at the Liberec State Textile Research Institute in the department of mathematical modelling of textile structures. He is a member of several scientific and professional societies, The Textile Institute, JCMF and FEANI. He is a recipient of the Smith medal (The Textile Institute, Manchester) for his scientific contribution in the area of textile fibres.

₹ 5295 | 978-93-80308-11-1 | 2011 | HB | 773 pages.

Plant Biotechnology



Ms. Hiru Ranabhatt,
Ms. Renu Kapor

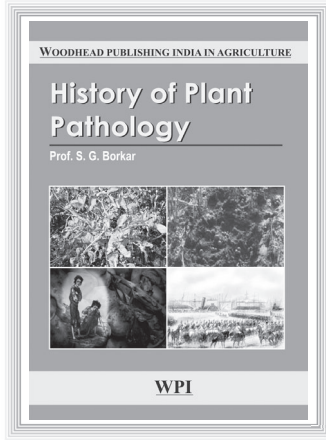
This book summarises various aspects of Plant Biotechnology and is divided into 27 chapters. This edition discusses: plant cell culture and development, plant tissue culture,micro propagation, germplasm storage, haploid plants, triploid plants, *in vitro* pollination and fertilisation, protoplast isolation and culture, somatic cell hybridisation, syntheticseeds, plant breeding, plant derived vaccines, genetically modified foods, improvingphotosynthesis and crop yield, insect resistant plants, fungus resistant plants, virusresistance plants, ornamental plant, medicinal plants, recombinant DNA, molecularmarkers, intellectual property rights. A unique features of the book is chapters onnanotechnology for micronutrients in soil-plant systems.

Hiru Ranabhatt has done M.Sc. Plant Biotechnology (2015) from TERI University, Delhi and B.Sc. Biotechnology (2013) degree from the North Eastern Hill University, Meghalaya. Currently she is working as a Junior Research Fellow at AIIMS, Delhi.

Renu Kapor has done B.Tech in Biotechnology from U.P. Tech. University. At present she is working as a Clinical Research Associate in Leading Laboratory.

₹ 4195 | 978-93-85059-33-9 | 2018 | HB | 542 pages.

History of Plant Pathology



Prof. S. G. Borkar

The book History of plant pathology depicts the historical events, discoveries and advancement made in the subject of plant pathology from the ancient era to till date and these are arranged into different eras viz. ancient era, medieval era, premodern era, modern era and present era which are useful to understand the development made on the subject of plant pathology and further scope of development and advancement in the subject. The major contributions made by pioneer workers in plant pathology around the world during these eras which had led the foundation for different branches of plant pathology are also given in the book. Besides the significant contribution made in each era for the developments of this subject, the book has additional chapters on the historical epidemics of important plant diseases around the world and its impact on human civilisations, and the historical crop yield losses due to plant diseases.

The book also includes different Plant pathological societies and their development around the world to further strengthen the subject of plant pathology. Thus the book History of Plant Pathology is made interesting and of in-depth understanding to know the subject of plant pathology and further scope on the subject.

Prof. Suresh Borkar is the University Head of the department of Plant Pathology and Agricultural Microbiology since 2005. He is a fellow of Indian phytopathological society and the Eurasian Academy of environmental sciences. He has also served as Dean, Post Graduate Institute of Mahatma Phule Krishi Vidyapeeth, Rahuri, during 2012–2013. He has published more than 75 research papers in around 25 National and 7 foreign journals. He has developed 4 Wheat varieties, 1 patent, several technologies and recommendations, and new strains of beneficial microbes.

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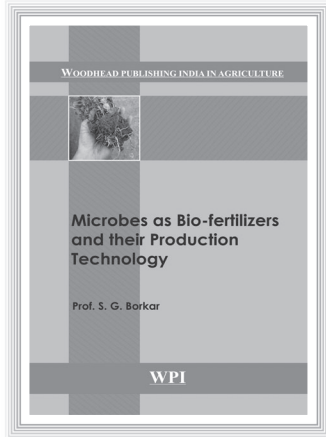
Microbes as Bio-fertilizers and their Production Technology



Prof. Suresh Borkar

Microbes as Bio-fertilizers and their Production Technology is a step forward in the direction of search, testing and development of new effective strains of beneficial microbes and their production technologies. The book highlights the methods of isolations of several beneficial microbes of different utility, specialized culture media, distinguishing characters of these microbes, testing their efficiencies and large scale production technologies. This is a unique book where all the agriculturally beneficial microbial bio-fertilizers are included and dealt with above aspects.

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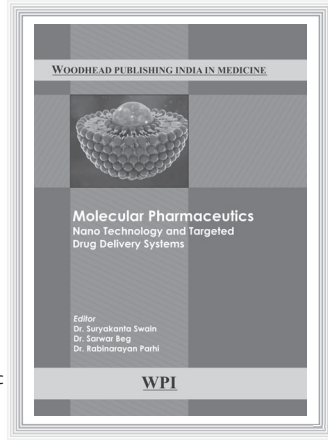
Molecular Pharmaceutics

Dr. Suryakanta Swain,
Dr. Sarwar Beg,
Dr. Rabinarayan Parhi



This book describes the various approaches for development novel drug delivery systems and the criteria for selection of drugs and polymers for the development of Nano Technology and Targeted Drug Delivery Systems. book also covers concepts, events and biological process involved in drug targeting, tumor targeting and brain specific delivery. The major focus of this book is to describe about innovative approaches, types, formulation techniques, technologies, applications and evaluation of certain novel drug delivery systems such as liposomes, nanoparticles, microcapsules or microspheres, monoclonal antibodies, niosomes, aquasomes, phytosomes, and electrosomes. The book encapsulated the change through intense analysis, new technologies, innovative evaluation of carriers and an array of practical approaches for pulmonary drug and nucleic acid based therapeutic delivery system, which will be handy for budding scientist and professional as well. Innovative techniques for drug delivery systems, applications of old theories with distinct reevaluation and well explained diagrams are the major part of this book. Editors and contributing authors firmly believe that the extent of knowledge presented in this book will be helpful for B. Pharm, Pharm D and M. Pharm specialization of Pharmaceutics, Industrial Pharmacy and Pharmaceutical Technology students and for Ph.D Research Scholars.

Dr. Suryakanta Swain completed his B. Pharm from Berhampur University, Odisha, M. Pharm (Pharmaceutics from Biju Patnaik University of Technology, Odisha) and Ph.D. in Pharmacy from Berhampur University. He started his career as an Asst. Professor in Department of Pharmaceutics at Roland Institute of Pharmaceutical Sciences, Odisha, from 2008 to 2015 and he has promoted to Associate Professor-cum-HoD in Pharmaceutics, Southern Institute of Medical Sciences, College of Pharmacy, SIMS Group of Institutions, Andhra Pradesh, INDIA. So far, he has published 104 articles of national & international journals. He has edited 2 national books, published 6 international books, and 23 national book chapters of reputed publishers. He has published one Indian patent and filed one new patent. He has Editorial and Reviewers board members of 61 journals.
Dr. Sarwar Beg is currently serving as an Assistant Professor of Pharmaceutics at School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi, India. Prior to joining Jamia Hamdard, Dr. Sarwar has worked with Jubilant Generics Limited, Noida, India, as Research Scientist, where he was solely responsible for implementation of Quality by Design (QbD) in formulation development and analytical development of generic products. He has nearly a decade of experience in systematic development and characterization of novel and nanostructured drug delivery systems using QbD paradigms. Till date, he has authored over 130 publications including research and review papers in high impact peer-reviewed journals, 38 book chapters, 8 books and 3 Indian patent applications to his credit.
Dr. Rabinarayan Parhi, M. Pharm., Ph. D., is an Assistant Professor in Pharmaceutics at GITAM Institute of Pharmacy, GITAM Deemed to be University, Visakhapatnam, AP. He had his post-graduation from the Banaras Hindu University, Varanasi in Pharmaceutics in the year 2008 and was awarded Ph D. degree in pharmacy by Berhampur University, Odisha in the year 2017. He is life member of APTI, IHPA and IPGA. He teaches Novel drug delivery systems, Physical Pharmacy and Pharmaceutical Engineering. He has more than 10 years of Academic experience and has 30 Scientific Publications in reputed International and National Journals, couple of book chapters and two Books.

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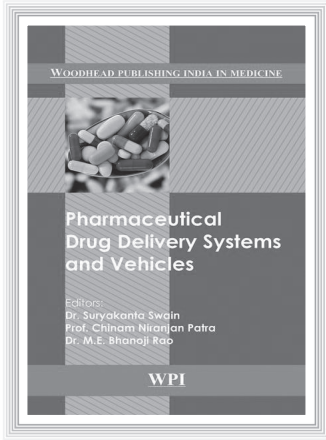
Pharmaceutical Drug Delivery Systems and Vehicles



Dr. Suryakanta Swain, Prof. Chinam Niranjan Patra, and Dr. M. E. Bhanoji Rao

Pharmaceutical Drug Delivery Systems and Vehicles focuses on the fundamental principles while touching upon the advances in the pharma field with coverage of the basic concepts, fundamental principles, biomedical rationales, preparative and characterization techniques, and potential applications of pharmaceutical drug delivery systems and vehicles. The text then elaborates in detail about colon specific, lipid-based nanostructured, self-emulsifying, soy-protein based nutraceutical drug delivery systems. Apart from that, it also covers details about magnetic and polymeric nanoparticles, spherical crystallization, liquisolid compacts and fast dissolving films, cyclodextrin, porous carrier and liposomes. The selection is a valuable source material for scientists and readers interested in the advances in the systems of drug delivery and vehicle. The authors firmly believed that the extent of knowledge presented in this book would meet the requirements of B.Pharm, M.Pharm and PhD students.

Dr. Suryakanta Swain is working as an Asst. Professor in the Department of Pharmaceutics at Roland Institute of Pharmaceutical Sciences, Berhampur, Odisha, India and recently he has been promoted to Associate Professor in Pharmaceutics, SIMS Group of Institutions, SIMS College of Pharmacy, Andhra Pradesh, India. So far he has published 30 research papers, 10 review papers & 6 invited editorial short articles of National and International journals. He has permanent Advisory and Editorial board members and reviewers in more than 20 National and International journals. He is a life member of professional bodies.

Prof. Chinam Niranjan Patra was elected as a member of Fellow of Institution of Chemists in 2012. He has served in College of Pharmaceutical Sciences, Mohuda as Lecturer and Asst. Professor for 7 years. In 2009 he joined as an Associate Professor in in Roland Institute of Pharmaceutical Sciences, Berhampur and subsequently after 3 years he was promoted as Professor in the same institute. He has received grant from UGC for research in Herbal tablet formulations. To his credit he has filed one India patent, published 26 research papers, six review papers in peer reviewed journals of international repute. He has authored one book in the area of processing problems of herbal drugs and their remedies. He has presented more than 10 research papers in national level seminars and conferences. He is a life member of many professional bodies like IPA, APTI, IHPA, ICTA, ISTE and IAPST.

Dr. M.E. Bhanoji Rao is working as an Academic Council Dean, Faculty of Pharmacy, Biju Patnaik University of Technology. He has 29 years of professional experience, including 27 years of teaching and 21 years of research. He has published about 80 research papers, two books in various journals of national and international repute. He has been associated with this institute for the past 28 years since its inception. He is a life member of professional bodies such as Indian Pharmaceutical Association (IPA), Association of Pharmaceutical teachers of India (APTI) and Indian Hospital Pharmacists Association (IHPA).

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