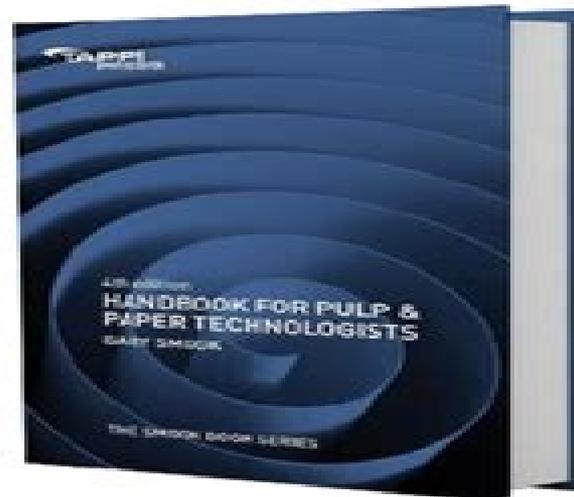


Handbook For Pulp and Paper Technologists (The SMOOK Book), Fourth Edition



Author: Gary Smook

Technical Editor: [Michael Kocurek](#)

The Handbook For Pulp and Paper Technologists (The SMOOK Book), is by far the best-selling text to introduce the entire technology of pulp and paper manufacture. The major objective of the fourth edition was to provide a readable, up-to-date, comprehensive textbook. The book features 27 chapters covering all aspects of pulping and papermaking.

Fourth edition features include:

- All chapters have been updated, including significant modifications in: Wood and Chip Handling, Mechanical Pulping, Recycled Fiber, Non-Fibrous Additives, and Surface Treatments
- Approximately 90 new illustrations
- Discusses latest technology

This renowned book has been updated to reflect the latest technology and the current state of the North American industry. Hundreds of illustrations, charts and tables help the reader grasp the

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stupidities could be avoided Nevertheless when I was offered the opportunity to edit this book I thought back on the need for a real practical treatment of my subject This book then is a practical handbook for technical service personnel and scientists who are not necessarily specialists in microbiology It provides information on suitable antimicrobial agents appropriate to their particular problem solving needs and information on the microbial groups contributing to the specific problem their ecologies and strategies for controlling their access to the area or material of interest *Commerce Business Daily* ,2000-12

The Chemical Engineer ,2005 Thomas Register ,2004 *Handbook of Pulping and Papermaking* Christopher J. Biermann,1996-08-01 In its Second Edition *Handbook of Pulping and Papermaking* is a comprehensive reference for industry and academia The book offers a concise yet thorough introduction to the process of papermaking from the production of wood chips to the final testing and use of the paper product The author has updated the extensive bibliography providing the reader with easy access to the pulp and paper literature The book emphasizes principles and concepts behind papermaking detailing both the physical and chemical processes A comprehensive introduction to the physical and chemical processes in pulping and papermaking Contains an extensive annotated bibliography Includes 12 pages of color plates **Biermann's Handbook of Pulp and Paper** Pratima Bajpai,2018-05-17 Biermann's *Handbook of Pulp and Paper Raw Material and Pulp Making* Third Edition is a comprehensive reference for industry and academia covering the entire gamut of pulping technology This book provides a thorough introduction to the entire technology of pulp manufacture features chapters covering all aspects of pulping from wood handling at the mill site through pulping and bleaching and pulp drying It also includes a discussion on bleaching chemicals recovery of pulping spent liquors and regeneration of chemicals used and the manufacture of side products The secondary fiber recovery and utilization and current advances like organosolv pulping and attempts to close the cycle in bleaching plants are also included Hundreds of illustrations charts and tables help the reader grasp the concepts being presented This book will provide professionals in the field with the most up to date and comprehensive information on the state of the art techniques and aspects involved in pulp making It has been updated revised and extended Alongside the traditional aspects of pulping and papermaking processes this book also focuses on biotechnological methods which is the distinguishing feature of this book It includes wood based products and chemicals production of dissolving pulp hexenuronic acid removal alternative chemical recovery processes forest products biorefinery The most significant changes in the areas of raw material preparation and handling pulping and recycled fiber have been included A total of 11 new chapters have been added This handbook is essential reading for all chemists and engineers in the paper and pulp industry Provides comprehensive coverage on all aspects of pulp making Covers the latest science and technology in pulp making Includes traditional and biotechnological methods a unique feature of this book Presents the environmental impact of pulp and papermaking industries Sets itself apart as a valuable reference that every pulp and papermaker engineer chemist will find extremely useful **Handbook of Pulp, 2 Volume Set** Herbert Sixta,2006-03-17 In

this two volume set Dr Herbert Sixta head of the cellulose and viscose research department at Lenzing AG in Austria has brought together a team of authors to produce the first comprehensive handbook on the market Alongside the traditional aspects of pulping processes pulp used in industry and paper pulps this book describes all pulping processes used for paper and board manufacturing as well as waste liquor treatment pulp bleaching and environmental aspects while also covering pulp properties and applications From the content Chemical Pulp Mechanical Pulp Recovered Paper and Recycled Fibers Analytical Characterization of Pulps This handbook is essential reading for all chemists and engineers in the paper and pulp industry

Pulp Production and Processing Valentin Popa,2013-09-23 Cellulose represents the most widely spread organic polymer found in nature and it was used for a long time as a raw material for paper textiles film and flexible packing material Due to its accessibility in huge amounts by photosynthesis process as a renewable material cellulose is considered at present the answer to many problems connected with sustainable development This explains the great scientific interest for this compound along with a lot of preoccupations to systematize the accumulated information in reviews and books This book will present the aspects of cellulose obtaining in the correlation with its integration in a new concept of biorefining Thus usual technological steps of pulp manufacture pulping bleaching will be continued with chemistry characteristics of by products and their utilization fiber characterization for paper obtaining cellulose derivatives and special products resulted in cellulose processing beads and microspheres micro and nano structures fibers production their antibacterial properties optical functional film and hydrogen This extensive book should prove to be a very useful tool for scientists students and postgraduates working in the field of pulp paper and cellulose derivatives aiming at opening a new era for renewable resources processed by biorefining

Accurate Consistency Ingemar Jansson,1999-01-01 *Pulp Production and Processing* Valentin I. Popa,2020-07-06 This book presents the aspects of cellulose obtained in correlation with its integration into the new concept of biorefining The authors detail the individual steps of pulp manufacture as well as properties and fiber characterization techniques for paper cellulose derivatives and processing by products This book is of interest to scientists and advanced students working in the fields of renewable resources and biorefining

Process Engineering Design Criteria Handbook Thomas L. Abrams,1996-01-01 **Pulp & Paper Technology** K. P. Rao,2003 **Chemistry of Pulp and Paper Making** Edwin Sutermeister,1920 **Essentials of Pulping and Papermaking** Christopher J. Biermann,1993 Designed to serve as a new educational tool for pulp and paper science courses and as an extensive resource for industry professionals Rather than focus on the many types of equipment in use this book emphasizes the principles of pulp and paper processes

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