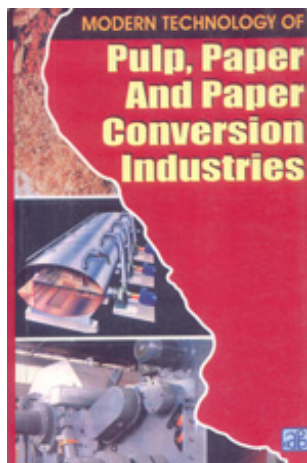


# Modern Technology of Pulp, Paper and Paper Conversion Industries



**Author:** NIIR Board of Consultants and Engineers

**Format:** Paperback

**ISBN:** 817833044X

**Code:** NI104

**Pages:** 568

**Price:** Rs. 1,000.00 US\$ 100.00

**Publisher:** Asia Pacific Business Press Inc.

Usually ships within **3** days

The paper conversion sectors are assuming increasingly important place in the life of every nation. Conversion technology is being evolved continuously for having better conversion, handling, transportation, preservation and usage of materials. Paper and Pulp industry plays a vital role towards conversion. In view of the close linkage between paper and conversion industry we have tried to come out with this unique book containing relevant and useful information in both these industries. We have tried to make it most exhaustive first giving details, then presenting and dividing in different chapter to understand better. Thus we have tried to fill the vacuum that existed fill now. This book will be useful for paper chemists as well as conversion industries.

## Contents

1. Dry-Process Hard-Boards From Recycled Newsprint Paper Fibers
2. Abrasive Kraft Base Paper from Sun Hemp (*Crotalaria Jauncia*)
3. Production of Soda Semi-Chemical Pulp from *Sesbania Sesban* (Linn.) Merr.
4. High Yield Pulps from Eta Reed
5. The Influence of Clay Addition on Flotation Deinking
6. Alternative Uses for Waste/Paper in Wood-Based Composite Products
7. Deinking of Flexo-Graphic Newsprint: Use of Ultrafiltration to Close the Water Loop
8. Utilization of Lime
9. Recent Developments in Paper Drying
10. Pulp and Paper Making From Agricultural Residues and Agro-Wastes
11. High Yield Pulps from Bamboo
12. Semichemical Pulping of Bagasse
13. Modified Pulping Process for Newsprint Grade Pulps from Bagasse
14. Delignification of Bagasse Pulps using Oxygen and Alkali
15. Production of Kraft Paper from Elephant Grass
16. Water Hyacinth (*Eichhornia Crassipes*) for Papers & Boards

17. Urena Lobata Linn. : A New Fibre Crop for Pulp & Paper
18. AQ Additive Copulping of Hard Wood and Soft Wood
19. Improved Penetration of Pulping Reagents into wood
20. The use of Polysac-Charide Derivatives for Better Yields in Paper Manufacture
21. Gemelina Arborea (Gamari) Pulping Alone and Mixed with Bamboo
22. Beloit "Converflo" Headbox Concept & Development
23. Grinding of M.G. Cylinder in Position
24. Pulping Equipment for Agricultural Residues
25. Paper Machine Design for non-Wood Fibres
26. Design of Concentrator Systems for Indian Raw Material
27. Standardisation of Pulp Mill Effluent for Irrigation Purposes
28. Effluent Treatment of Newsprint Mill by Using Coal ASH
29. Sludge Characteristics and Disposal Alternatives for the Pulp and Paper Industry
30. Quantification of Plastic in Pulp Slurries
31. Smelters for Chemical Recovery
32. Environmentally Sound Alternatives for Upgrading Mixed Office Waste
33. Drying of Paper
34. Brightness and Opacity of Paper
35. Paper Machine-Forming Section
36. Corrugated Containers
37. Ranking of Papers by in Plane Tear Strength and Elmendors Tear Strength
38. Boxboard
39. Alkaline Pulping Chemistry
40. Manufacturers, Suppliers of Plant & Machinery and Allied Products
41. Manufacturers and Suppliers of Raw Materials
42. Imported Pulp Manufacturers & Suppliers Imported Pulp
43. Indian Agents for Imported Pulp

## About NIIR

**NIIR Project Consultancy Services (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry.

NPCS also publishes various technology books, directory, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureau, consultants and consultancy firms as one of the input in their research.

---

**National Institute of Industrial Research** , 106-E, Kamla Nagar, New Delhi-110007, India. **Email:** [niir@vsnl.com](mailto:niir@vsnl.com) **Website:** [NIIR.org](http://NIIR.org)

Wed, 07 Jan 2009 17:41:30 -0500