

Publications in Year 2010 - 2011

S. No.	Title	Author(s)	Reference
1.	Calendering Response of Calcium Carbonate Coated Base Paper, Containing Agro Residue	Sanjay Tyagi and A. K. Ray	TAPPSA, 1: 10 - 19 (2010)
2.	Modeling of Wheat Straw Pulping in a Pandia Digester and Inferential Estimation of Kappa Number using Irregularly Sampled and Delayed Measurement	Arun Gupta, Meenakshi Gupta, B. P. Thapliyal et al	Journal of Control System, 2010, Sweden
3.	Heat Transfer Model in Calender Nip - Verification from Experimental Data on Agricultural Residue Based Coated Paper	Sanjay Tyagi, and A. K. Ray	Presented in Annual Meeting of American Institute of Chemical Engineers (AIChE) at Salt Lake City, USA, 2010
4.	Evaluation of Quality of Agricultural Residue Based Coated Papers using Plackett Burman Statistical Design	A. K. Ray and Sanjay Tyagi	Presented in Annual Meeting of American Institute of Chemical Engineers (AIChE) at Salt Lake City, USA, 2010
5.	Predicting Coating Color Formulation for Paper and Paperboard with Statistical Experimental Design	A. K. Ray and Sanjay Tyagi	Presented in Annual Meeting of American Institute of Chemical Engineers (AIChE) at Salt Lake City, USA, 2010
6.	Surface Characteristics of Coating Layer Formed by Coating Pigments Having Different Particle Size and Size Distribution	Sanjay Tyagi et al	Journal of Coating Technology and Research, 7(6) : 747 - 756 (2010)
7.	Surface Charge of Different Papermaking Raw Materials and its Influence on Paper Properties	Y. V. Sood et al	Journal of Scientific and Industrial Research, 69(4) : 300 - 304 (2010)
8.	Parametric Effect on Calendaring Heat Transfer Models	T. J. G. Dattatraya, Sanjay Tyagi et al	Professional Papermaking, 7: 57 - 61 (2010)
9.	Desilication of Bamboo and Straw Black Liquor	A. K. Dixit et al	IPPTA Zonal Seminar, 22(3) : 121 - 123 (2010)
10.	Bioremediation of Pulp & Paper Mill Effluent by Tannic Acid Degrading Enterobacter Sp.	Y. P. Singh, Purnima Dhall, R. M. Mathur et al	Water, Air, Soil and Pollution, 218(1 - 4) : 693 - 701 (2010)
11.	Environmental Sustainability of Indian Paper Industry — Need, Trends & Techniques	Nitin Endlay et al	Proceedings of International Conference on “Emerging Technologies for Sustainable Environment”, Aligarh Muslim University, Aligarh, 2010, pp. 553 - 556
12.	Improving the Quality of Newsprint from Recycled Fibers	Y. V. Sood et al	IPPTA, 22(4) : 137 - 141 (2010)
13.	Water Conservation in Pulp & Paper Industry - Trends Opportunities & Scope in Indian Scenario	Suresh Panwar et al	Proceedings of Technical Conference on “Modern Technologies for Growth of Indian Paper Industry”, 2010, pp. 91 - 102
14.	Enzyme Technologies: Cleaner Options for Improvement of Energy & Environmental Status for Pulp & Paper Industry	R. K. Jain et al	Proceedings of the “Paper+” Conference & Trade Fair, 2010, pp. 103 - 110
15.	Impact of Desilication on Physico-chemical	R. K. Jain et al	Proceedings of the Workshop on

	Properties of Black Liquor and Chemical Recovery Operation		“Commercial Scale Desilication of Black Liquor” held at Andhra Pradesh Paper Mills Ltd., Rajahmundry (Andhra Pradesh), 2011
16.	Pilot Scale Studies on Desilication of Silica Rich Black Liquor for Different Mills Based on Various Raw Materials	A. K. Dixit et al	Proceedings of the Workshop on “Commercial Scale Desilication of Black Liquor” held at Andhra Pradesh Paper Mills Ltd., Rajahmundry (Andhra Pradesh), 2011
17.	Efficient Depithing of Bagasse -- A step towards Sustained Availability of Raw Material of Paper Industry to Produce High Quality Paper	A. K. Dixit et al	IPPTA, 22(1) : 163 – 174 (2011)
18.	Perform Achieve and Trade (PAT) - A Market Based Mechanism for Energy Efficiency in Pulp and Paper	B. P. Thapliyal	Presented at IPPTA AGM in Mumbai (Maharashtra), IPPTA, 23(1) : 135 - 138 (2011)
19.	Second Generation Biofuels - Bio-ethanol from Ligno-cellulosic Materials	Vasanta V. Thakur et al	Proceedings of the Workshop on “Biomethanation & Co-Generation in Pulp & Paper Mill” held at Kashipur (U.K.) organized by Indian Agro & Recycled Paper Mills Association, 2011 pp. 58 - 66
20.	Bioethanol from Bagasse Pith : A Lignocellulosic Waste Biomass from Paper/Sugar Industry	R. K. Jain et al	Proceedings of IPPTA Annual Seminar on “3E’s of Paper Industry - Energy, Environment & Ecology”, IPPTA, 23(1) : 135 - 138, (2011)
21.	Incineration of Black Liquor Mixed with Biomass - A potential Option to Achieve Zero Black Liquor Discharge in Small Agro Based Mill	A. K. Dixit et al	Presented in the National Seminar on “Advances in Wood Science and Technology Research : Recent Trends, Future Challenges and Opportunities” held at Forest Research Institute, Dehardun, 2011
22.	ECF and TCF Bleaching - Cleaner and Cost Effective Options for Pulp & Paper Mills	Priti S. Lal et al	Presented in the National Seminar on “Advances in Wood Science and Technology Research: Recent Trends, Future Challenges and Opportunities” held at Forest Research Institute, Dehardun, 2011
23.	Second Generation Biofuels - Bio-ethanol from Ligno-cellulosic Materials	Vasanta V. Thakur et al	Inpaper India, 14(2): 9 - 12 (2011)
24.	High Bio-mass Sorghum (Sorghum bicolor) - An Alternate Raw Material for Pulp and Paper Making in India	Vimlesh Bist et al	Accepted for publication in IPPTA

Reports in Year 2010 - 2011

S. No.	Title	Sponsoring Agency
1.	Investment & Profitability Assessment of Technology Upgradation Fund Scheme (TUFS) in Pulp & Paper Sector	DIPP, Ministry of Commerce & Industry, Udyog Bhawan, New Delhi,
2.	Pilot Scale Pulping Trial of Empty Fruit Bunch Fibres	Eko Pulp & Paper, Malaysia
3.	Technical Feasibility for Setting up a New Deinking Plant at Saher Papers Ltd., Una (Himachal Pradesh)	Saher Papers Ltd., Una (Himachal Pradesh)
4.	Proposed Effluent Treatment System for Treatment of Mill Effluent at Sapphire Paper Mills, Vidhannagar, Darjeeling (West Bengal)	Sapphire Paper Mills, Vidhannagar, Darjeeling (West Bengal)
5.	Incineration of Black liquor to Achieve Zero Black Liquor Discharge in Small Agro Based Paper Mills Producing Unbleached Paper	Maruti Papers Ltd., Shamli (U.P.).
6.	Control of Evaporator Scaling in a Hard Wood Based Mill	Star Paper Mills Ltd., Saharanpur (U.P.)
7.	Process Audit of Causticization Section in a Bagasse and Hardwood Based Mill	Tamilnadu Newsprint and Papers Ltd., Karur (Tamil Nadu).
8.	Adequacy of Effluent Treatment Plant (ETP) at Banwari Paper Mills Ltd., Kashipur, Udham Singh Nagar (Uttarakhand)	Banwari Paper Mills Ltd., Kashipur, Udham Singh Nagar (Uttarakhand).
9.	Evaluation of Natural Products in Reducing Pollution Loads of Pulp and Paper Mill Effluent Product Developed by Chemistry Division ICFRE, Dehradun (U.K.)	ICFRE, Dehradun (Uttarakhand).
10.	Modification of Existing ETP for Treatment of Mill Effluent at Goraya Straw Board Mills Pvt. Ltd., Kashipur, Udham Singh Nagar (Uttarakhand)" --	Goraya Straw Board Mills Pvt. Ltd., Kashipur, Udham Singh Nagar (Uttarakhand)
11.	Fresh Water Audit & Adequacy Assessment of ETP for Treatment of Mill Effluent at Emami Paper Mills, Ltd. Balgopalpur, Balasore (Orissa)	Emami Paper Mills Ltd., Balgopalpur, Balasore (Orissa)
12.	Performance Evaluation of Lignin Recovery Process (LRP) including Effluent Treatment System and its Impact in Achieving Discharge Standards in Agro-based Pulp & Paper Industry - Interim Report	Central Pollution Control Board, Delhi.
13.	Performance Evaluation of Air Pollution Control Systems in Pulp & Paper Industry - Executive Summary (Sponsored By CPCB)	Central Pollution Control Board, Delhi,
14.	Performance Evaluation of Air Pollution Control Systems in Pulp & Paper Industry - Final Report	Central Pollution Control Board, Delhi.
15.	Adequacy of Existing ETP for Treatment of Mill Effluent from Waste Paper Based Kraft Paper Unit at PSB Papers Ltd., Bajpur (Uttarakhand)	PSB Papers Ltd., Bajpur (Uttarakhand)
16.	Adequacy of ETP for Treatment of Effluent Generated from 150 tpd Kraft Paper at Genus Paper Products Ltd., Agwanpur, Moradabad (U.P.)	Genus Paper Products Ltd., Agwanpur, Moradabad (U.P.)
17.	Audit of Fresh Water Consumption in Existing Plant Operation and Technical Opinion to Reduce Specific Fresh Water Consumption at ABC Paper Ltd., Sailakhurd (Punjab)	ABC Paper Ltd., Sailakhurd (Punjab)
18.	Adequacy Assessment of Existing ETP for Treatment of Mill Effluent Generated from Waste Paper	1. Nikita Papers Ltd., Shamli (U.P.) 2. Sahota Papers Ltd., Jaspur (Uttarakhand)

		3. Rana Papers Ltd., Muzaffarnagar (U.P.) 4. Bindlas Duplux Ltd., Muzaffarnagar (U.P.) 5. Tehri Pulp & Paper Ltd., Muzaffarnagar (U.P.) 6. Bhageshwari Paper Mills Ltd., Unit-I, Muzaffarnagar (U.P.) 7. Bhageshwari Paper Mills Ltd., Unit-II, Muzaffarnagar (U.P.) 8. Sidhballi Papers Ltd., Muzaffarnagar (U.P.) 9. Shakumbari Paper Mills Private Ltd., Muzaffarnagar (U.P.) 10. Silverton Papers Ltd., Muzaffarnagar (U.P.) 11. Garg Duplex & Paper Mills (P) Ltd., Muzaffarnagar (U.P.) 12. Mahaluxmi Paper Mills Ltd., Muzaffarnagar (U.P.)
19.	Quality Improvement of Packaging Grades Paper with Cationic Guar Gum for Sunita Hydrocolloids Pvt. Ltd., Jodhpur (Rajasthan)	Sunita Hydrocolloids Pvt. Ltd., Jodhpur (Rajasthan)
20.	Techno- economic Viability of Bharat Papers Ltd., Kashmir)	State Bank of India, Ludhiana (Punjab)
21.	Suckles Profiling at Servalakshmi Paper Mill, Tirunelveli (Tamil Nadu)	NLS Nalco India Ltd., Kolkata (West Bengal)
22.	Energy Audit Report of Sainsons Paper Ltd., Kurukshetra (Haryana)	Sainsons Paper Ltd., Kurukshetra (Haryana)
23.	Prefeasibility Studies on Capacity Enhancement of Genus Paper Products Ltd., Moradabad (U.P.)	Genus Paper Products Ltd., Moradabad (U.P.)
24.	Assessment of Chemical Recovery System of Shree Shyam Paper Mills Ltd., Kashipur, Udham Singh Nagar (U.K.)	Shree Shyam Paper Mills Ltd., Kashipur, Udham Singh Nagar (Uttarakhand)
25.	Evaluation of Reed and Matured Eucalyptus	Emami Paper Mills Ltd., Balasore (Orissa)
26.	Evaluation of Cooking Aid LDA 3600 for Eucalyptus, Bagasse & Wheat Straw	Aditya Trade, Ahmedabad (Gujarat)
27.	Evaluation of Cotton Pulping for Better Economy and Effluent Quality-	Bhartiya Reserve Bank Note Mudran (P) Ltd., Bangalore (Karnataka)
28.	Evaluation of Two Varieties of Green Sorghum Crops (Cultivated at CPPRI) for Paper Making Potential	Directorate of Sorghum Research, Rajendernagar, Hyderabad (Andhra Pradesh)
29.	Production of Unbleached & Bleached Pulp of EFB Fiber	Eko Pulp & Paper, Malaysia