

Publications in Year 2011 - 2012

S. No.	Title	Author(s)	Reference
1.	Surface and aging characteristics of paper coated with nano size ZnO pigment	Sanjay Tyagi, Renu Tyagi, B. P. Thapliyal, R. M. Mathur & A. K. Ray	Paper included in the CD Rom of the AIChE (American Institute of Chemical Engineers) Annual Meeting 2011, Minneapolis, MN, USA, Oct. 16 - 21, 2011 and archived with the Linda Hall Library
2.	Coating color pigments for paper— how to evaluate them for agricultural residue base papers	Sanjay Tyagi, A. K. Ray, R M Mathur	
3.	Influence of calendaring parameters on coating layers if agri-residue base paper formed by different coating processes	Sanjay Tyagi, A. K. Ray, R M Mathur	
4.	Studies on xylanase and laccase enzyme prebleaching to reduce chlorine based chemicals during CEH and ECF bleaching	Vasanta V. Thakur, R.K. Jain and R.M. Mathur	Bioresources 7(2) : 2220 – 2235 (2012)
5.	Strategies & technology upgradation trends for minimization of water consumption in Indian pulp & paper industry	N. Endlay, S. Mishra , S. Panwar & R.M. Mathur	Proceedings of International Workshop on Wastewater Reuse & Reclamation (organised by Water Treatment Academy) Bangkok, August 2011
6.	Toxicity potential in AOX bearing ETP sludge - A Reality Check	S. Panwar, Shivaker Mishra, Nitin Endlay, Mohd Farid, M.K.Gupta & R.M. Mathur	Proceedings of 10 th International Conference on Pulp, Paper & Allied Industry (Paperex 2011), New Delhi, December 2011, 238 - 242.
7.	Reduction of Water Footprint in Agro & RCF based Pulp & Paper Mills - Scope, Possibilities & Available Options	Nitin Endlay, Shivaker Mishra, M. K.Gupta, Mohd Farid, Kaushambi Jain, S. Panwar & R.M. Mathur	IPPTA, 23(4) October- December 2011, 129 - 133
8.	Studies on chemical pretreatment options followed by ECF and TCF bleaching of indigenous raw materials pulp	Vimlesh Bist, Priti S. Lal, Arvind Sharma & R. M. Mathur	Inpaper India, 14(5) : 4 – 12 (2011)
9.	Study on storage losses and a new method of raw material preservation for some common hardwoods used by Indian paper industry	Priti S. Lal, Vimlesh Bist, Arvind Sharma & R. M. Mathur	IPPTA, 23(3) : 154 - 159 July - September, 2011
10.	High bio-mass sorghum (sorghum bicolor) - an alternate raw material for pulp and paper making in India	J. V. Patil, Charm Appaji, S. V. Rao, R. M. Mathur, Vimlesh Bist & Preeti S. Lal	IPPTA, 23(2) : 161 - 166, April - June, 2011
11.	Advancement of research & development and technology innovation in Indian paper industry	R. M. Mathur, B. P Thapliyal & Sanjay Tyagi	India Paper, 14(6), Nov - Dec 2011

12.	Fiber fractionation – a unique technique for making quality paper from indigenous raw materials	Sanjay Tyagi, R D Godiyal, Marioj Kumar, B. P. Thapliyal & R. M. Mathur	IPPTA 24(1) : 177 – 181, Jan-March, 2012
13.	Production of laccase by isolated white rot fungi and its application in pulp & paper industry	Vasanta V. Thakur, Vipin Gupta, R. K. Jain, & R.M. Mathur	Proceedings of National Seminar on Fungal Biotechnology held at Forest Research Institute, Dehradun, September, 2011
14.	Cellulase production by isolated fungal strains and its application in bio deinking of mix office laser waste	Vasanta V. Thakur, Chetna Gupta, R. K. Jain, & R.M. Mathur	
15.	Status of Indian handmade paper industry	R. K, Jain, AK. Dixit and Vasanta V Thakur	Proceedings of Training Programme on “Fiber extraction through enzymatic retting and quality aspects of paper testing of handmade paper” CPPRI, Saharanpur ,January/Feb.2012
16.	Availability & composition of fibrous raw materials and their relevance for handmade paper & products	R. K. Jain, A. K. Dixit , Vasanta V. Thakur and Chetna Gupta	
17.	Biotechnical extraction of Fibers - Bio/enzymatic retting of bast fibers”.	R. K. Jain, Vasanta V Thakur and Dharmendra Chauhan	
18.	Enzymatic refining/beating	R. K. Jain, Vasanta V Thakur and Chetna Gupta	
19.	Enzymatic application in paper making — enzymatic pulping & enzymatic bleaching	Vasanta V Thakur, Dharmendra Chauhan, Vipin Gupta and Diwakar Pandey	

Reports in Year 2011 – 2012

S. No.	Title	Sponsoring Agency
1.	Storage & Preservation of Fibrous Raw Materials used in Indian Pulp & Paper Industries (RAC Project Report)	RAC
2.	Production of Filler Pulp from Indian Hardwood	D-Inking Technology, Texas - USA
3.	Effect of Harvesting Age of Eucalyptus pellita (E. pellita) and Acacia crassicarpa (A. crassicarpa) in Comparison with Acacia mangium (A. mangium) for Production of High Brightness Bleached Kraft Pulp	PT. Tanjungenim Lestari Pulp and Paper, Indonesia
4.	Feasibility Study for Production of Specialty Grade Pulp from Bamboo	Thea-Tex-Healthcare, Mumbai
5.	Laboratory Pulping & Bleaching Trial of Canadian Wheat Straw	Prairie Pulp & Paper Inc., Canada
6.	Pulping of Rice Straw using Soda Ash Instead/With Lower Percentage of Caustic Soda	Madhya Bharat Paper Mills Ltd., Champa, Chhattisgarh
7.	Utilization of Pulp and Paper Making and Prefeasibility of 300 TPD Paper Mill using Jute as Raw Material	-
8.	Evaluation of Coating Binder 'Maxtreat GB' on Base Paper made from Hardwood Pulp	Thermax India Ltd., Pune
9.	Discussion Paper on Collection and Recycling of Waste Paper in India	
10.	Repulpability of De-waxed OCC	Sri Guru Extraction Pvt. Ltd; Coimbatore
11.	Evaluation of Deinking Chemicals	Thermax India Ltd, Pune
12.	Studies on Control of Evaporators Scales	Star Paper Mills Ltd., Saharanpur
13.	Establishing Base Line Specific Energy Consumption (SEC) Target under Perform, Achieve and Trade (PAT) Scheme for Pulp & Paper Sector	BEE
14.	Draft reports of Base Line Energy Audit	1. Sangal Papers Ltd , Meerut 2. Sardhana Paper Mills Pvt. Ltd., Meerut 3. Rana Paper Mills Ltd., Muzaffarnagar 4. Rama Paper Mills Ltd., Bijnor
15.	Techno-economic Feasibility for Setting up of Common Chemical Recovery Plant (CCRP) & Common Effluent Treatment Plant (CETP) for Pulp & Paper Industries Operating in Identified Cluster of U.P. & Uttrakhand	CPCB, Delhi
16.	Adequacy Assessment of ETP	1. Sri Badri Kedar Papers Pvt Ltd., Najibabad, U.P. 2. Shree Shyam Pulp & Board Mills Ltd., Kashipur, U.K. 3. Rayana Paper Board Industries Ltd. (Unit-I), Khalilabad.Sant Kabir Nagar, U.K. 4. Rayana Paper Board Industries Ltd. (Unit-II). Khalilabad,Sant Kabir Nagar, U.K. 5. Arihant Pulp & Papers Pvt. Ltd., Muzaffarnagar, U.K. 6. Devrishi Papers Pvt. Ltd, Kashipur, U.K. 7. Devpriya Industries Ltd , Meerut, U.K.
17.	Performance Efficiency of ETP	Sainsons Paper Industries Ltd., Pehowa, Haryana

18.	ETP Modification/Upgradation	<ol style="list-style-type: none"> 1. Banwari Paper Mills Ltd, Kashipur, U.K. 2. Devpriya Paper Products Ltd Meerut U.P. 3. Bindlas Duplux Ltd. (Unit II), Muzaffarnagar, U.P. 4. Silverton Papers Ltd Muzaffarnagar, U.P. 5. North Star Paper Boards Ltd., Kashipur, U.K. 6. Devpriya Products Ltd., Meerut, U.K.
19.	Water Audit	Star Paper Mill Ltd, Saharanpur, U.P.
20.	Audit Assessment of Hazardous Waste	<ol style="list-style-type: none"> 1. Sainsons Paper Industries Ltd., Pehowa, Haryana 2. Century Pulp & Paper Ltd., Lalkuan , U.K.
21.	Evaluation of Xylanases and Laccases at Pilot and Mill Scale in Pulp & Paper Industry	Department of Biotechnology
22.	Technological Improvement of a Process of Biological Reduction of AOX. Colour, COD and SOD of Waste Water Emanated from Large Pulp & Paper Industries	Department of Biotechnology
23.	Evaluation of Xylanase Enzyme Prebleaching on Oxygen Delignified Pulps	Value Addition Papers Pvt, Ltd., New Delhi
24.	Hindi Translation of CPPRI Laboratory Manual for technical personnel of pulp & paper mills	-