## **Profile Page**



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## **Research Interests:**

Fluid flow through Textile materials, Heat flow through Textile materials, Mathematical modelling of Weaving, Knitting and Stitching Process. Modelling of bandaging materials.

## **Journal Publications:**

Year	Journal	Publication	
2016	Review of Scientific Instruments	Pratibha Singh, Arobindo Chatterjee, and Subrata Ghosh, Vertical	
	87, 105114 (2016);	wicking tester for monitoring water transportation behavior in fibrous	
		assembly	
2016 Fibers and Polymers		Pawan Kumar, S K Sinha, S Ghosh, Study on the packing density of	
	17(11):1898-1907 · November	structurally modified ring spun yarn	
	2016		
2016 Journal of Environmental Research Roy		Roy S., Ghosh S., Bhowmick N. and Roychoudhury P. K., study the	
	And Development Vol.11 No. 02,	effect of denier and fiber cut Length on zeta potential of nylon And	
	392-397, October-December 2016	polyester fibers for sustainable Dyeing process	
2016	Fibers and Polymers	Pawan Kumar, S K Sinha, S Ghosh, Estimation of Pore Size and Porosity	
	17(9):1489-1496 · September 2016	of Modified Polyester/PVA Blended Spun Yarn	
2015	Fashion and Textiles (2015) 2: 5.	Kumar, P., Sinha, S.K. & Ghosh, S., Moisture management behaviour	
		modified polyester wool fabrics	
2014	J. Inst. Engg. India Ser. E (July-	S Ghosh, P Chary and S Roy, Development of Warp Yarn Tension	
	December 2014), 95 (2).	During Shedding: A Theoretical Approach	
2014 Ind, J. Fibre Text Res, Vol 39, S Ghosh and Mo		S Ghosh and Md W Chavhan, A Geometrical Model of stitch length for	
	June 2014, pp 153-156.	lockstitch seam,	
2014	Tekstilec, 2014, letn. 57(4),	Pawan Kumar, Sujit Kumar Sinha and Subrata Ghosh, Elastic	
	264?272	Performance Coefficient and Recovery of Modified Polyester/Polyvinyl	
		Alcohol Ring Spun Yarn	
2014	Fibre and Polymers, 15, 2014, pp	M Sikka,, S. Ghosh and A. Mukhopadhyay, The structural configuration	
	1779-1785.	and stretch property relationship of high stretch bandage fabric,	

2011	Journal of Environmental Research	3. Vidushi Bajpai, A Dey, S Bajpai, M K Jha and S Ghosh, Microbial
	And Development Vol. 5 No. 3,	adherence on textile Materials- A Review
	January-March 2011	
2008	WSEAS Transaction on	5. N Bhowmick and S Ghosh, Role of yarn hairiness in knitting process
	Environment and development,	and its impact on knitting room's environment
	Vol. 4, No4, 360 (2008).	
2008	Journal of Tissue Viability, J	S Ghosh, A Mukhopadhya, M Sikka, K S Nagla, Pressure mapping and
	Tissue Viability. 2008	performance of the compression bandage/garment for venous leg ulcer
	Aug;17(3):82-94.	treatment,

## **Conference Publications:**

Year	Conference	Publication
2016	International Conference on Redefining Textiles	Subrata Ghosh, Subhankar Maity, Ripan Das, Design
	Cutting Edge Technology of the Future (RTCT 2016),	of High Loft Fibrous Material to be used as Quilt,
	April 8-10, 2016, Dr B. R. Ambedkar National	
	Institute of Technology, Jalandhar, Punjab-144011,	
	INDIA (Oral). ISBN 13: 978-93-525498-0-1, page 29.	
2014	International Conference on Technical Textiles and	Sikka M, Ghosh S & Mukhoapdhyay A
	Nonwovens, IIT Delhi, Nov.' 6th-8th.	(2014). "Structure and stretch property relationship of
		high stretch bandages"
2006	xvi Conference of Society for Biomaterials and	6. M Sikka, A Mukhopadhayay and S Ghosh, Creep
	Artificial organs at Indian Institute of Technology,	performance of bandage material for the treatment of
	Delhi, Feb, 24th, 2006.	Edema