

List of Paper Published by Faculty of Textile Engineering Department

Sr. No	Name of Faculty Member	Year	Name of Journal	Title
1.	Sh. Parveen Kumar	2007	Indian Journal of Fibre and Textile Research	Hand related properties of polyester-viscose and polyester-cotton ring- and MJS yarn fabrics—Effects of fibre profile and finishing treatment
		2007	Melliand International	Drape and mechanical properties of ring and air-jet spun yarn fabrics
		2008	Indian Journal of Fibre and Textile Research	Comfort aspects of finished polyester-cotton and polyester-viscose ring and MJS yarn fabrics
		2010	Asian Dyer	Application of cationising agent for cotton processing
2.	Ms. Priya Jaswal	2014	Journal of The Institution of Engineers (India): Series E	The Empirical Modeling of Snarling in the Yarn
		2017	National Conference on “Innovative Trends in Science, Technology and ManagementIV at Sri Sai University, Palampur, H.P	ENG OP1: A Review on Easy Care Finish
		2014	Journal of The Institution of Engineers (India): Series E	The Empirical Modeling of Snarling in Staple Yarn
		2017	International Research Journal of Engineering and Technology (IRJET)	Antimicrobial activity of herbal treated cotton fabric
		2022	Improvement in the performance of two layered model pavement with treated coir geotextile at the interface	Journal of Industrial Textiles
		2022	Investigation on tensile strength characterisation of untreated and surface treated coir geotextiles	Journal of Industrial Textiles
		2023	Experimental Study on Monotonic Behaviour of Two-Layered Unpaved Road Model Reinforced with Treated Coir Geotextiles	International Journal of Pavement Research and Technology

3.	Ms. Urvashi Malhotra	2014	Journal of Applied Polymer Science	Polypyrrole-Silk Electro-Conductive Composite Fabric by In Situ Chemical Polymerization
		2014	International Journal of Fiber and Textile Research	“Recycled fibers: An overview”;
		2016	Journal of Textile Science & Engineering	Thermophysiological Wear Comfort of Clothing: An Overview
		2016	Journal of Fashion Technology & Textile Engineering	Impact on Properties of Woven Fabric from Structurally Modified Shoddy/Wool Blended Worsted Yarn
4.	Sh. Amit Kumar	2014	Cellulose	Polyethylene glycol grafted cotton as phase change polymer
		2017	International Journal of Advances in Science Engineering and Technology	Phase change cotton tape development for thermal management
		2018	Sustainable Energy & Fuels	Poly(ethylene glycol) (PEG) modified epoxy phase change polymer with dual properties of thermal storage and vibration damping
		2022	Materials Chemistry and Physics	Screen printed calcium fluoride nanoparticles embedded antibacterial cotton fabric
		2022	Materials Chemistry and Physics	Durable antibacterial cotton fabric via spray-coating of photocatalytic MoS ₂
		2022	Journal of Natural Fibers	BaTiO ₃ nanoparticles embedded Antibacterial Cotton Fabric with UV Protection Characteristics
		2022	Journal of Alloys and Compounds	Poling effect on piezocatalytic antibacterial and dye degradation activities of BaTiO ₃ nanoparticles embedded cotton fabric
		2022	ACS Applied Engineering Materials	Durable Thermoregulating, Antibacterial, and UV Protective Smart Cotton Embedded with Polyethylene Glycol and BaTiO ₃

		2022	Scientific Reports	Cotton functionalized with polyethylene glycol and graphene oxide for dual thermoregulating and UV-protection applications (Accepted)
		2023	Environmental Science and Pollution Research	CaCu ₃ Ti ₄ O ₁₂ nanoparticle-loaded cotton fabric for dual photocatalytic antibacterial and dye degradation applications
5.	Ms. Preeti Gautam	2011	Asian Textile Journal	Fantasy of chromic colourants
		2012	Asian Textile Journal	Colourful Horizons of Luminiscence
		2012	Asian Textile Journal	Textile Cardiovascular Implants Ensuring Healthy Heart
		2012	Asian Textile Journal	Textiles: Empowering the Aviation,
		2012	Asian Textile Journal	Enhanced protection in textiles against UV radiations
		2012	Asian Textile Journal	Antibacterial finishes on cotton: promoting health and hygiene
		2012	Asian Technical Textiles Journal	Implantable Medical Textiles
		2014	Journal of Textile and Apparel, Technology and Management	Application of novel UV absorbers to enhance UV protection of cotton
6.	Sh. Vivek Sharma	2011	Asian Textile Journal	Fantasy of chromic colourants
		2012	Asian Textile Journal	Colourful Horizons of Luminiscence
		2012	Asian Textile Journal	Textile Cardiovascular Implants Ensuring Healthy Heart
		2012	Asian Textile Journal	Textiles: Empowering the Aviation
		2012	Asian Textile Journal	Enhanced protection in textiles against UV radiations
		2012	Asian Textile Journal	Antibacterial finishes on cotton: promoting health and hygiene
		2012	Asian Technical Textiles Journal	Implantable Medical Textiles
		2014	Journal of Textile and Apparel, Technology and Management	Application of novel UV absorbers to enhance UV protection of cotton
		2014	International Conference on Emerging Trends in Traditional and Technical Textiles (ICETT), April 11-12, 2014, NIT, Jalandhar, India	Fluorescent Colourants enhancing Aesthetics and Functionality'

		2013	AATCC International Conference on Advances in fibres, finishes, technical Textiles and Non-wovens (AFFTTN) , October 1-2, 2013, The Orchid, Mumbai, India.	‘Textile composites empowering the aerospace sector’
		2016	International Conference On Redefining Textiles: Cutting Edge Technology Of The Future, 8-10th april 2016	Processing of Protein Fibres with Enzymes: An Overview
		2016	International Conference On Redefining Textiles: Cutting Edge Technology Of The Future, 8-10th april 2016	Novel Composite Mix Based on Jute Fibres for Building Construction
7.	Sh. Ankush Sharma	2014	Geosynthetics International 21(5):301-309	Performance of transesterified jute rolled erosion control products
		2014	International Journal of Fiber and Textile Research	“Recycled fibers: An overview”;
		2016	Proceedings of the International Conference on Nanotechnology for Better Living at Singapore	Application of nanotechnology in self-cleaning clothes
		2017	Journal of Fiber Bioengineering and Informatics	Biodegradable Geomeshes for Rainsplash Erosion Control
		2021	International Journal of Textile and Fashion Technology	Measurement of Industrial Sewing Needle Temperature With Different Experimental Techniques
		2021	Drugs and Cell Therapies in Hematology	The Effect Of Fabric Characteristics On Industrial Sewing Needle Temperature
		2021	Nveo - Natural Volatiles & Essential Oils	Impact of Machine Parameters on Industrial Sewing Needle Temperature
		8.	Sh. Dinesh Bhatia	2014
2014	International Journal of Fiber and Textile Research			“Recycled fibers: An overview”;
2015	Journal of The Institution of Engineers (India): Series E			Moisture Management Behaviour of Knitted Fabric from Structurally Modified Ring and Vortex Spun Yarn

		2016	Journal of Textile Science & Engineering	Thermophysiological Wear Comfort of Clothing: An Overview
		2016	Journal of Fashion Technology & Textile Engineering	Impact on Properties of Woven Fabric from Structurally Modified Shoddy/Wool Blended Worsted Yarn
		2017	International Journal of Engineering, Technology, Science and Research	Structural Analysis Of Merino Wool, Pashmina And Angora Fibers Using Analytical Instruments Like Scanning Electron Microscope And Infra-Red Spectroscopy
		2020	Journal of The Institution of Engineers (India): Series E	Optimization of Structurally Modified Wool/ Polyester Blended Yarns Using Desirability Function
		2020	Tekstilec	“Thermo-Physiological Properties of Structurally Modified Wool/Polyester Blended Machine and Hand Spun Yarns as a Weft in Handloom Fabrics,
		2021	Journal of Natural Fibers	Selection of Handloom Fabrics based on Thermo-Physiological Characteristics using Multi - Attributes Decision Making Algorithm
		2021	Indian Journal of Fibre & Textile Research	Optimization of Thermo-Physiological Properties of Structurally Modified Wool/Polyester Blended Fabrics using Desirability Function
		2021	Fibers and Polymers	Geometrical Modelling of Herringbone Twill Fabric for Prediction of Thermal Resistance using Finite Element Method
		2022	Textile & Leather Review	A study on fatigue behaviour of cotton/lycra core spun yarns
9.	Sh. Akshay Sharma	2019	Tekstilec	Thermal Resistance and Moisture Management Behaviour of Nettle/Polyester Nonwoven Fabrics