

## Profile Page



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### Research Interests :

Aerosol Filtration, Technical Textiles, Mechanical Processing of Textiles, Fabric structure – property relationship, Statistical Methods and Design of Experiment

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### Journal Publications :

Year	Journal	Publication
2022	Indian Journal of Fibre & Textile Research (Accepted)	Mukhopadhyay, A., Midha, V., & Preet, A., Impact of varying lactate concentration in sweat on liquid moisture transmission behaviour of layered ensembles
2022	International Journal of Clothing Science and Technology (Accepted)	Mukhopadhyay, A., Midha, V., & Preet, A., Impact of varying lactate concentration in sweat on thermo-physiological comfort of multi-layered ensembles
2022	Fibers and Polymers, 23 (1), pp. 295-302	Vivek Prasad Shaw & Arunangshu Mukhopadhyay, Behaviour of Stretch Denim Fabric under Tensile Load
2022	International Journal of Clothing Science and Technology (Communicated)	Arunangshu Mukhopadhyay and Vivek Prasad Shaw, Effect of anisotropic abrasive damage on mass loss and ultimate tensile properties of the stretch denim fabric,

2022	The Journal of Textile Institute (Communicated)	Arunangshu Mukhopadhyay and Vivek Prasad Shaw , Reliability analysis of the body movement comfort of workwear fabric under abrasive damage
2022	Journal of Industrial Textiles, 51(2S) 2283S–2305S	Gyana R Behera, Arunangshu Mukhopadhyay and Monica Sikka, Development of scheme to evaluate the performance of parachute canopy fabrics under tensile impact
2021	International Journal of Clothing Science and Technology, pp. 1-21	Vivek Prasad Shaw & Arunangshu Mukhopadhyay, Impact of abrasion on strength, elasticity and elastic recovery properties of stretch denim fabric
2021	Journal of The Institution of Engineers (India): Series E, 102 (10), pp. 17-23	Sudev Dutta, Arunangshu Mukhopadhyay, AK Choudhary & CC Reddy, Power Consumption Analysis of Pulse Jet Filtration System Assisted with Pre-charger using Polyester Conductive Media
2021	Indian Journal of Fibre & Textile Research, 46 (3), pp. 269-274	Sudev Dutta, Arunangshu Mukhopadhyay, AK Choudhary & CC Reddy, Energy consumption analysis of electrostatically assisted flat and tubular based filtration test rigs using polyester conductive media
2020	Indian Journal of Fibre & Textile Research, 45 (3), pp. 326-331	Arunangshu Mukhopadhyay & Gagan Mahawar, Effect of leaks on the performance of a fabric filter in pulse jet cleaning assisted filtration system
2020	Indian Journal of Fibre & Textile Research, 45 (4), pp. 457-463	A Mukhopadhyay, V Midha & Agya Preet, Impact of seam on liquid moisture transmission behavior of multi-layered ensemble with sweat and water
2020	The Journal of The Textile Institute, 112 (1), pp. 132-137	A Mukhopadhyay, V Midha & Agya Preet, Investigation of impact of seam on moisture transmission and drying behaviour of multilayered ensembles using sweat and water
2020	The Journal of The Textile Institute, pp. 1-8	Arunangshu Mukhopadhyay & Yashoda Devi, Effect of water contamination on transmissivity behaviour of nonwoven geotextile
2019	Journal of the Institution of Engineers –E Series	Vinay Kumar Midha, Vaibhav Gupta, Arunganshu Mukhopadhyay, "Impact of positive thread feeding for high-speed industrial lockstitch sewing machines: Part I Development of device"
2019	Journal of the Institution of Engineers –E Series	Vinay Kumar Midha, Vaibhav Gupta, Arunganshu Mukhopadhyay, "Impact of positive thread feeding for high-speed industrial lockstitch sewing machines: Part II Response with cotton and spun polyester needle threads"
2019	Asian Textile Journal, pp. 39-43	A Mukhopadhyay & A Agnihotri, Critical Appraisal of Abrasion Resistance Evaluation Techniques for Textile and other Flexible Materials
2019	Journal of The Institution of Engineers (India): Series E, 100 (1), pp. 47-57	Sudev Dutta, Arunangshu Mukhopadhyay, AK Choudhary & CC Reddy, Filtration Behaviour of Polyester Conductive Filter Media on Pulse Jet Test Rig Assisted with Pre-Charger
2018	Textile, Bioengineering and Informatics Society	A.Mukhopadhyay, "Industrial Gas Filtration Solution through Sustainable Technology"
2018	Journal of Textile Institute	V.Midha, A.Gupta, A.Mukhopadhyay, "Effect of gauge length on loop strength of sewing threads"
2018	Journal of Textile Institute	A. Mukhopadhyay, AgyaPreet, V.Midha, "Moisture transmission behavior of individual component and multi-layered fabric with sweat and pure water"
2018	Filtration Journal, American filtration society	V Chavhan, A Mukhopadhyay and K C Etika, "The design of personnel protective clothing for protection against CBRN agents: a Review"
2018	Filtration & Separation	A. Mukhopadhyay, "Degradation behavior of filter media during hot gas filtration"
2018	Journal of the Institution of Engineers –E Series	S.Dutta, A. Mukhopadhyay, A. K. Choudhury, C. C. Reddy, "Response of Conductive and PTFE Coated Polyester Filters to Cold Fly Ash at Different Dust Charge Levels"

2018	International Journal of Engineering Technology Science and Research	S.Dutta, A.Mukhopadhyay, A.K.Choudhary and C.C.Reddy, "Hybrid Aerosol Filtration Systems – A Review"
2018	Research Journal of Textile and Apparel	Awadhesh Kumar Choudhury, Monica Puri Sikka & Payal Bansal, "The study of sewing damage and defects in garments"
2018	Asian Technical Textiles	A Mukhopadhyay, "Performance of filter media during hot gas filtration"
2017	Research Journal of Textile and Apparels	A Mukhopadhyay, N C Ray, V K Midha, "Multi Objective Optimization of Parametric Combination of Injected Slub Yarn for Producing Knitted and Woven Fabrics with Least Abrasive Damage,"
2017	Journal of Textile Institute	HarabanshSingh, Arunangshu Mukhopadhyay & Arbindo Chatterjee, "Reliability analysis of seam joints in square plain parachute canopy fabric"
2017	Indian Journal of Fibre and Textile Research	A Mukhopadhyay, V K Midha & N C Ray, "Impact of Abrasion on Mass Loss and Appearance of Injected Slub Yarn Fabrics"
2017	The Journal of The Textile Institute	Harabansh Singh, Arunangshu Mukhopadhyay & Arobindo Chatterjee, "Reliability analysis of seam joints in square plain parachute canopy fabric"
2017	The Journal of Textile Institute	Mukhopadhyay, A., Agyapreet. and Midha, V.K, "Moisture transmission behavior of individual components and multi layered fabric with sweat and pure water"
2017	Research Journal of Textile and Apparel	Mukhopadhyay, A., Ray, N.C. and Midha, V.K, "Multi object optimization of parametric combination of injected slub yarn for producing knitted and woven fabrics with least abrasive damage"
2017	The Journal of Textile Institute	Mukhopadhyay, A., Midha, V.K., & Ray, N.C, "Effect of Structural Parameters of Injected Slub Yarn on its Tensile Properties and Abrasion Resistance"
2016	Medical Engineering Physics	Monica Sikka, S.Ghosh and A. Mukhopadhyay, "Mathematical modeling to predict the sub-bandage pressure on conical limb for multi-layer bandaging"
2016	Journal of Fiber Bioengineering and Informatics	M P Sikka, A Mukhopadhyay, "Sub Bandage Pressure Measurement on a Compressible Limb for Treatment of Leg Ulcer"
2016	Journal of Institute of Engineers (India)	N C Ray, A Mukhopadhyay, V K Midha, "Response of Slub Characteristics on Tensile Properties of Injected Slub Yarn"
2016	Journal of Textile Institute	A Mukhopadhyay, V K Midha, N C Ray, "Effect of Structural Parameters of Injected Slub Yarn on its Tensile Properties and Abrasion Resistance"
2016	Journal of Institute of Engineers (India)	N C Ray, A Mukhopadhyay and V K Midha, "Impact of Abrasion on Mass Loss and Surface Appearance of Woven Fabrics Made with Injected Slub Yarn in Weft"
2016	Journal of The Institution of Engineers (India): Series E	Md. Vaseem Chavhan & Arunangshu Mukhopadhyay, "Fibrous Filter to Protect Building Environments From Polluting Agents - A Review"
2016	Journal of Industrial Textile	Singh Harabansh, Mukhopadhyay A and Chatterjee A, "Influence of bias angle of stitching on tensile characteristics of lapped seam parachute canopy fabric – Part I: Mathematical modelling for determining test specimen size"
2016	Journal of Industrial Textile	Mukhopadhyay A, Chatterjee A and Singh Harabansh, "Influence of bias angle of stitching on tensile characteristics of lapped seam parachute canopy fabric – Part II: Study on optimized test specimen dimension"
2016	Medical Engineering and physics	M P Sikka, S Ghosh and A Mukhopadhyay, "Mathematical modeling to predict the sub bandage pressure on a conical limb for multi-layer bandaging."
2016	Journal of The Institution of Engineers (India): Series E	N. C. Ray, A. Mukhopadhyay, V. K. Midha, "Response of Slub Characteristics on Tensile Properties of Injected Slub Yarn"

2016	Journal of Industrial Textiles	A Mukhopadhyay, and V Pandit and K Dhawan, "Effect of high temperature on the performance of filter fabric"
2016	Journal of Industrial Textiles	A Mukhopadhyay, A Chatterjee and Harabansh Singh, "Influence of bias angle of stitching on tensile characteristics of lapped seam parachute canopy fabric - Part II"
2016	Journal of Industrial Textiles	Harabansh Singh, A Mukhopadhyay and A Chatterjee, "Influence of bias angle of stitching on tensile characteristics of lapped seam parachute canopy fabric - Part I: Mathematical modelling for determining test specimen size"
2016	The Indian Journal of Fibre and Textile Research	Mukhopadhyay, A., Midha, V.K., & Ray, N.C, "Impact of Abrasion on Mass Loss and Appearance of Injected Slub Yarn Fabrics"
2016	Journal of The Institution of Engineers (India)	Ray, N.C., Mukhopadhyay, A., & Midha, V.K, "Impact of Abrasion on Mass Loss and Surface Appearance of Woven Fabrics Made with Injected Slub Yarn in Weft"
2016	Journal of Fibre Bioengineering and Informatics	Sikka MP & Mukhopadhyay A, "Sub Bandage Pressure Measurement on a Compressible Limb for Treatment of Leg Ulcer"
2015	J Fashion Technol Textile Eng	M P Sikka, A Mukhopadhyay, "Neural Network Model for Predicting Sub Bandage Pressure of High Compression Bandages"
2015	Environment and Pollution	Arunangshu Mukhopadhyay & Harshad S. Bawane, "Emission of Fine Particles and Ageing Behavior of PTFE Finished Filter Media during Industrial Pollution Control"
2015	Filtration Journal, American filtration society	A Mukhopadhyay and S R Swain, "Effect of Silicon Finish on the behaviour of Regenerated Surface Filters at Different Dust Concentration"
2015	Journal of Fashion Technology Textile Engineering	Sikka M P, Mukhopadhyay A, "Neural Network Model for Predicting Sub Bandage Pressure of High Compression Bandages"
2014	Journal of Environmental Research and Development	Monica Sikka, S Ghosh and A. Mukhopadhyay, "The role of compression in treatment of leg wears"
2014	Fibres and Polymer	Monica Sikka, S Ghosh and A. Mukhopadhyaya, "The structural configuration and stretch bandage fabric"
2014	Environment, Development and Sustainability	A Mukhopadhyay, and V Pandit, "Control of industrial air pollution through sustainable development"
2014	Textiles and Light Industrial Science and Technology (TLIST)	A. Mukhopadhyay, A. Chatterjee and Taranjot Ahuja, "Seam Performance of the Inseam of a Military Trouser in Relation to Garment Fit"
2014	Journal of Environmental Research and Development	Monica Puri Sikka, S. Ghosh and A. Mukhopadhyay, "The role of compression in treatment of leg ulcers"
2014	Fibre and Polymers	M Sikka., S. Ghosh and A. Mukhopadhyay, "The structural configuration and stretch property relationship of high stretch bandage fabric"
2013	Filtration and Separation	A. K. Choudhary and A. Mukhopadhyay, "Particulates: Selection of cleaning pulse pressure for pulse-jet fabric filtration"
2013	Filtration Journal, American filtration society	A. K. Choudhary and A. Mukhopadhyay "An investigation into the role of factors influencing pressure drop in a pulse jet fabric filter"
2013	Particulate Science and Technology	A. Mukhopadhyay and A. K. Choudhary, "Characterization of dust particles emitted through needle felt media during the pulse jet filtration process"
2013	Textiles and Light Industrial Science and Tech.(TLIST Singapore)	A. Mukhopadhyay and A. K. Choudhary, "Performance of filter media as function of fibre fineness in pulse jet filtration system"
2013	Journal of the Textile Institute	S. M. Ishtiaque, A. Mukhopadhyay, D. Uttam, "Modelling to predict thermophysiological properties of hollow/microporous yarns fabrics"
2013	Journal of Bio-medical Science and Engineering	Monica Sikka, S.Ghosh and A. Mukhopadhyay, "Geometry of the bandaging procedure and its application while wrapping bandage for treatment of leg wears"

2013	The Research Journal of the Costume Culture	Midha, V.K., Mukhopadhyay, A., Chattopadhyay, R. and Kothari, V.K, "Dynamics of Lockstitch Sewing Process"
2013	Asian Textile Journal	A Mukhopadhyay, "Industrial gas filtration"
2013	Asian Technical Textiles	A. K. Choudhary and A. Mukhopadhyay, "Effective control of industrial air pollution though pulse jet filtration"
2012	Filtration and Separation	A. K. Choudhary and A. Mukhopadhyay, "Particulates: Media selection for pulse-jet filtration system"
2012	Filtration Journal, American Filtration Society	A. Mukhopadhyay, and A. K. Choudhary, "Analysis of dust deposition on industrial surface filter as a function of its physical properties"
2012	Journal of Engineered Fibers and Fabrics	A. Mukhopadhyay, S. M. Ishtiaque, D. Uttam, "Impact of Structural Variations on Pre-Hollow/Micro-Porous Yarn's Tensile and Physical Properties"
2011	Journal of Textile Institute	A. Mukhopadhyay, S. M. Ishtiaque, D. Uttam, "Impact of structural variations in hollow yarn on heat and moisture transport properties of fabrics"
2011	Research Journal of Textile and Apparel	Vinay Kumar Midha, A. Mukhopadhyay and Ramanpreet Kaur, "An Approach to Seam Strength Prediction Using Residual Thread Strength"
2010	Textile Research Journal	Vinay Kumar Midha, A. Mukhopadhyay, R. Chatopadhyay and V. K. Kothari, "Effect of Process and Machine Parameters on Changes in Properties of Sewing Threads during High Speed Industrial Sewing"
2010	International Journal of Fibers and Polymers	Vinay Kumar Midha, V. K. Kothari, R. Chatopadhyay and A. Mukhopadhyay, "A Neural Network Model for Prediction of Strength Loss in Threads during High Speed Industrial Sewing"
2010	Journal of Engineered Fibers and Fabrics	Vinay Kumar Midha, V. K. Kothari, R. Chatopadhyay and A. Mukhopadhyay, "Effect of Workwear Fabric Characteristics on the Changes in Tensile Properties of Sewing Threads after Sewing"
2010	Textile Asia	Garima Bhatia and Arunangshu Mukhopadhyay, "Impact of Functional Finishes on Fabric Flexural Rigidity"
2010	Journal of Textile and Apparel Technology and Management	S. M. Ishtiaque, A. Mukhopadhyay and A. Kumar, "Impact of carding parameters and draw frame speed on migration characteristics of ring spun yarn"
2009	Journal of Textile Institute	S. M. Ishtiaque, A. Mukhopadhyay and A. Kumar, "Impact of high speed draw frame and its preparatory on packing and its related characteristics of ring spun yarn"
2009	International Journal of Powder Technology	Arunangshu Mukhopadhyay and Kamal Dhawan, "An L9 Orthogonal Design Methodology to Study the Impact of Operating Parameters on Particulate Emission and related Characteristics during Pulse-jet Filtration Process"
2009	International Journal of Clothing Science and Technology	Vinay Kumar Midha, V. K. Kothari, R. Chatopadhyay and A. Mukhopadhyay, "Effect of High Speed Sewing on the Tensile Properties of Sewing Threads at Different Stages of Sewing"
2009	Textile Research Journal	Vinay Kumar Midha, A. Mukhopadhyay, V. K. Kothari, and R. Chatopadhyay, "Studies on the changes in tensile properties of sewing thread at different sewing stages"
2009	Indian Journal of Fibres and Textile Research	S. M. Ishtiaque, A. Mukhopadhyaya and A. Kumar, "The impact of carding parameters and draw frame speed on fibre axial distribution in ring spun yarn"
2008	Journal of Biomimetics, Biomaterials and Tissue Engineering	R. A. Manavalan and A. Mukhopadhyay, "Surgical Sutures: Performance, Development and Use"
2008	Journal of Tissue Viability	S. Ghosh, A. Mukhopadhyay, M. Sikka, K.S. Nagla, "Pressure mapping and performance of the compression bandage/garment for venous leg ulcer treatment"

2008	Journal of Industrial Textiles	A. Mukhopadhyay and V. K. Midha, "A review on designing of waterproof breathable fabrics, Part I: Fundamental Principles and Designing Aspects of Breathable Fabrics"
2008	Journal of Industrial Textiles	A. Mukhopadhyay and V. K. Midha, "A review on designing of waterproof breathable fabrics, Part II: Construction and Suitability of Breathable Fabrics for Different Use"
2008	Journal of Engineered Fibers and Fabrics	A Mukhopadhyay, "Relative performance of lockstitch and chainstitch at the seat seam of military trouser"
2008	Melliand International	Arunangshu Mukhopadhyay and Garima Bhatia, "Impact of Functional Finishes on the Tearing Strength of Fabrics"
2008	Journal of Textile Institute	S. M. Ishtiaque, A. Mukhopadhyay and A. Kumar, "Influence of draw frame speed and its preparatory on ring yarn properties"
2008	Melliand International	A. Mukhopadhyay, S. M. Ishtiaque and A. Kumar, "Optimization of process variables of yarn preparatory through constraining yarn quality parameters"
2007	Journal of Technical Textiles	A K Patra, A Mukhopadhyay, "Intelligent textiles: an environment responsive approach"
2007	Journal of Textile Institute	S. M. Ishtiaque, A. Mukhopadhyay and A. Kumar, "Impact of high speed draw frame and its preparatory on fibre orientation parameters at sliver"
2006	Int. J. Clothing Science & Technology	A. Mukhopadhyay, S. Ghosh and S Bhowmick, "Tearing and Tensile Strength behaviour of Military Khaki Fabrics from Grey to Finished Process"
2006	Asian Textile Journal	S Viju and A. Mukhopadhyay, "Automotive textiles"
2005	Melliand International	A. Mukhopadhyay, S. Ghosh and R Kaur, "Seam performance of two differently processed military Khaki fabrics"
2005	Indian J. Fibre & Textile Res.	A. Mukhopadhyay and S. Ghosh, "Creep performance of short stretch bandage"
2005	Indian J. Fibre & Textile Res.	V. K. Midha, A. Mukhopadhyay, "Bulk and physical properties of needle punched nonwoven fabrics", Review article
2004	Int. J. Clothing Science & Technology	A. Mukhopadhyay, M. Sikka and A. K. Karmakar, "Impact of laundering on the seam tensile properties of suiting fabric"
2004	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, V. K. Kothari & R. K. Nayak, "Extension and recovery characteristics of air-jet textured yarn woven fabrics"
2003	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, I. C. Sharma & A. K. Mohanty, "Impact of lycra filament on extension and recovery characteristics of plain knitted cotton fabric"
2003	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, V. K. Kothari & R. C. D. Kaushik, "Bulk Characteristics of air-jet textured yarn knitted fabric"
2002	Textile Res. J	A. Mukhopadhyay, I. C. Sharma, K. Dasgupta, "Optical analysis of Classimat faults"
2002	Int. J. Clothing Science & Technology	A. Mukhopadhyay, A. K. Dash & V. K. Kothari, "Thickness and compressional characteristics of air-jet textured yarn woven fabric"
2002	Textile Asia	S. K. Punj, A. Mukhopadhyay and A. Pattanayak, "Some studies on flexural rigidity of woven fabrics of different weave structure"
2002	Textile Asia	A. Mukhopadhyay, "Application of Artificial Neural Network in Textiles"
2002	Indian J. Fibre & Textile Res.	A. Mukhopadhyay & V. K. Kothari, "Crease recovery of fabrics with air-jet textured weft yarns"
2002	Indian J. Fibre & Textile Res.	V. K. Kothari, A. Mukhopadhyay & R. C. D. Kaushik, "Evaluation of physical bulk of air-jet textured yarn"
2002	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, I. C. Sharma & A. Saha, "Low stress behaviour of jet-spun yarn"

2002	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, I. C. Sharma & M. K. Sharma, "Evaluation of comfort properties of polyester-viscose suiting fabric"
2002	Indian Textile J.	A. Mukhopadhyay, V. K. Kothari & M. Poddar, "Optical measurement of yarn faults"
2001	Chemical Fibres International	A. Mukhopadhyay & V. K. Kothari, "Method of selection of air-jet texturing process variables"
2001	Textile Asia	I. C. Sharma, A. Mukhopadhyay & B. P. Dash, "Evaluation of low stress properties of acrylic-viscose interlock knitted fabric"
2001	Textile Res. J.	V. K. Kothari, A. Mukhopadhyay & R. C. D. Kaushik, "Effect of process variables on textured yarn instability"
2000	Textile Asia	S. K. Punj, A. Mukhopadhyay & P. Chatterjee, "Plain knitted fabric properties"
2000	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, R. C. D. Kaushik & V. K. Kothari, "Effect of air-jet texturing process variables on physical bulk obtained by image analysis method"
2000	Indian J. Fibre & Textile Res.	V. K. Kothari, A. Mukhopadhyay & R. C. D. Kaushik, "Effect of winder type and winding parameters on the measured values of physical bulk of air-jet textured yarn"
2000	Indian J. Fibre & Textile Res.	V. K. Kothari, A. Mukhopadhyay & R. C. D. Kaushik, "Bulk characteristics of air-jet textured yarn woven fabrics"
2000	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, I. C. Sharma & S. Chowdhury, "Design of an aerosol filtration apparatus based on pulse-jet cleaning"
2000	Indian J. Fibre & Textile Res.	I. C. Sharma, A. Mukhopadhyay, P. K. Sinha & R. K. Baruah, "Comfort properties of mulberry and tassar silk fabrics"
2000	Indian Textile J.	A. Mukhopadhyay, R. C. D. Kaushik, & V. K. Kothari, "Methods of measuring instability of air-jet textured yarns"
2000	Indian Textile J.	A. Mukhopadhyay, R. C. D. Kaushik, & V. K. Kothari, "Methods of measuring bulk of air-jet textured yarn"
2000	Asian Textile J.	A. Mukhopadhyay, R. C. D. Kaushik, & V. K. Kothari, "Software for selecting the process variables for air-jet texturing"
1999	Indian J. Fibre & Textile Res.	I. C. Sharma, A. Mukhopadhyay, R. K. Baruah & Vishwanath, "Effect of degumming followed by sequential oxidative and reductive bleaching on mulberry & tassar silk fabric"
1999	Textile Asia	A. Mukhopadhyay, R. C. D. Kaushik & V. K. Kothari, "Measuring bulk of air-jet textured yarn"
1999	Indian J. Fibre & Textile Res.	I. C. Sharma, A. Mukhopadhyay & P. K. Sinha, "A comparative study of physical properties of mulberry and tassar silk fabrics"
1999	Indian J. Fibre & Textile Res.	S. K. Punj, A. Mukhopadhyay & B. Basu, "Blend irregularity and migratory behaviour of blend constituents in AJS polyester-viscose yarns"
1999	Indian Textile J.	A. Mukhopadhyay, S. K. Punj & P. S. Chandra, "Effect of tensile loading on loop configuration of air-jet textured yarn"
1999	Indian Textile J.	I. C. Sharma, A. Mukhopadhyay & S. Chaudhury, "A review on pulse jet cleaning using filter fabrics"
1999	Indian Textile J.	A. Mukhopadhyay, S. K. Punj, S. Goel & B. Majumder, "A statistical approach to study some characteristics of MJS yarn using central composite design"
1999	Indian Textile J.	V. K. Kothari & A. Mukhopadhyay, "Pore Structure of Textile Material"
1998	Textile Asia	I. C. Sharma, A. Mukhopadhyay & D. Bhadra, "Feasibility of single jersey and double jersey fabric from air-jet spun 100% acrylic yarn"
1998	Indian J. Fibre & Textile Res.	I. C. Sharma, K. N. Chatterjee, A. Mukhopadhyay & Vivek Kumar, "Some studies on dust filtration behaviour of woven filter fabrics"

1998	Indian J. Fibre & Textile Res.	I. C. Sharma, D. P. Chattopadhyay, K. N. Chatterjee, A. Mukhopadhyay & A. Kumar, "Effect of various softeners on the performance of polyester-viscose ring and air jet spun yarn fabrics"
1998	Indian J. Fibre & Textile Res.	S. K. Punj, A. Mukhopadhyay & A. Chakraborty, "Effect of rate of extension and gauge on the tensile properties of MJS yarn"
1998	Indian Textile J.	S. K. Punj, A. Mukhopadhyay & A. K. Karmakar, "Some studies on thickness and compressional behaviour of ring, rotor and air-jet spun yarn woven fabrics"
1997	Textile Asia	A. Mukhopadhyay, S. K. Punj, & Rupa Das, "Polyester Worsted SIRO yarns"
1997	Indian J. Fibre & Textile Res.	I. C. Sharma, K. N. Chatterjee, A. Mukhopadhyay & N. C. Roy, "Some studies on properties of wrapped jute/acrylic (Parafil) yarns"
1997	Indian J. Fibre & Textile Res.	K. N. Chatterjee, A. Mukhopadhyay, B. Mitra & A. K. Samanta, "Effect of multiple soap wash on jute/polypropylene blended fabric"
1997	Indian J. Fibre & Textile Res.	K. N. Chatterjee, A. Mukhopadhyay, B. Mitra & A. K. Samanta, "Some studies on jute/polypropylene blended fabric characteristics"
1997	Indian J. Fibre & Textile Res.	I. C. Sharma, K. N. Chatterjee, A. Mukhopadhyay, D. P. Chattopadhyay & A. Kumar, "A comparative study of ring and air-jet spun yarn woven fabrics in grey and finished state"
1997	Indian J. Fibre & Textile Res.	S. K. Punj, A. Mukhopadhyay & T. K. Maiti, "Response to doubling of MJS yarns produced with varying nozzle pressure"
1997	Indian J. Fibre & Textile Res.	A. Mukhopadhyay, K. N. Chatterjee & A. M. Singh, "Some critical appraisal of particle size distribution on woven filter fabric"
1997	Indian J. Fibre & Textile Res.	K. N. Chatterjee, A. Mukhopadhyay, S. C. Jhalani & B. P. Mani, "Performance characteristics of filter fabrics in cement dust control, Part IV - Study of nonwoven filter fabrics using factorial design technique"
1997	Indian J. Fibre & Textile Res.	K. N. Chatterjee, A. Mukhopadhyay, S. C. Jhalani & B. P. Mani, "Performance characteristics of filter fabrics in cement dust control, Part III - Influence of fibre fineness and scrim on the performance of nonwoven filter fabrics"
1997	Man Made Textiles in India	A. Mukhopadhyay & D. P. Chattopadhyay, "Effect of caustic soda treatment on the mechanical properties of ring and air jet spun yarn fabrics"
1996	Textile Asia	S. K. Punj, A. Mukhopadhyay & R. N. Saha, "Air-jet spinning of acrylic"
1996	Indian J. Fibre & Textile Res.	K. N. Chatterjee, A. Mukhopadhyay, S. C. Jhalani & B. P. Mani, "Performance characteristics of filter fabrics in cement dust control, Part II - Influence of fibre cross-sectional shape and scrim on the performance of non-woven filter fabrics"
1996	Indian J. Fibre & Textile	K. N. Chatterjee, A. Mukhopadhyay, S. C. Jhalani & B. P. Mani, "Performance characteristics of filter fabrics in cement dust control: Part I - Experimental set-up for dust characterization"
1996	Indian J. Fibre & Textile Res.	K. N. Chatterjee, A. Mukhopadhyay & A. V. Kumar, "A critical appraisal of pilling on polyester on worsted fabric"
1996	Indian Textile J.	K. N. Chatterjee, I. C. Sharma & A. Mukhopadhyay, "Comparative study of air-jet and ring spun yarn fabrics"
1996	Clothesline	K. N. Chatterjee, A. Mukhopadhyay, S. Kadian & A. Shrivastava, "Textile material, fancy yarn and properties"
1996	Clothesline	K. N. Chatterjee, A. Mukhopadhyay & J. O. Ukponmwan, "Assessment of fibre performance in apparel; Effect of fibre type and blend composition"
1996	Indian Textile J.	K. N. Chatterjee, A. Mukhopadhyay & J. O. Ukponmwan, "Handle properties of jute blended suiting fabric"



1996	Indian Textile J.	S. K. Punj, A. Mukhopadhyay & J. Biswas, “Effect of machine variables on MJS p/v yarn properties”
1996	Indian Textile J.	S. K. Punj, A. Mukhopadhyay & R. Chakraborty, “Effect of fibre length and fineness on MJS polyester yarn”
1996	Indian Textile Journal	S. K. Punj, A. Mukhopadhyay & S. K. Chattopadhyay, “Effect of machine variables on MJS viscose yarn”
1995	Indian Textile Journal	K. N. Chatterjee, I. C. Sharma, N. Sil & A. Mukhopadhyay, “A Study on polyester - wool fabric”
1995	Indian Textile Journal	K. N. Chatterjee, I. C. Sharma, N. Sil & A. Mukhopadhyay, “Influence of blend ratio and linear density on polyester wool yarn”
1995	Colourage	K. N. Chatterjee, A. Mukhopadhyay, D. P. Chattopadhyay & J. O. Upkonmwan, “The effect of various chemical and wet Processing on fabric appearance and durability”
1995	Indian Textile Journal	K. N. Chatterjee, A. Mukhopadhyay, T. Adhikari, S. K. Manuja & S. K. Sett, “Effect of sheath blend and core variation on DREF - 2 Core Spun Yarn”
1995	Indian Textile Journal	K. N. Chatterjee, A. Mukhopadhyay, S. Sengupta & R. K. Singh, “Effect of angora/acrylic and wool/acrylic blends on yarns and fabric characteristics”
1993	Melliand Textilberchte	V. K. Kothari, A. Mukhopadhyay & S. N. Pandey, “Filtration characteristics of layered nonwoven fabrics”

### Conference Publications :

Year	Conference	Publication
2021	International Online Conference on Advances in Textile, Fashion and Crafts [ATFC-2021], National Institute of Fashion Technology (NIFT), Jodhpur, 22-24 March 2021	Arunangshu Mukhopadhyay, Expert talk on topic, Design and Development of Sportswear
2021	International Conference on Sustainable Growth in Textile (SGT-2021), August 19-21, 2021. Venue: Zoom App/ UPTTI, Kanpur	Arunangshu Mukhopadhyay, Keynote speaker on topic, Inefficacies of Evaluation Techniques in Characterizing Textile Materials
2020	International Conference on Innovative Textiles, M.L.V Textile & Engineering College, Bhilwara	Vivek Prasad Shaw and Arunangshu Mukhopadhyay, Testing of wear performance of textiles in wet condition: Evolving Techniques and analysis
2020	National Conference on Sustainable Growth in Textiles (NCSGT-2020) at UPTTI Kanpur, 12 - 14 August 2020	Arunangshu Mukhopadhyay, Challenges for Air Pollution Control – Solution towards Sustainability
2020	International E- Conference on “Recent Trends in Textiles – A Paradigm for Innovative and Sustainable Fibers, Yarns, Fabrics and Garments Production, Processing & Designing Aspects	Preet, A., Midha, V. & Mukhopadhyay, A., Impact of sweat on liquid moisture transmission behaviour of cold weather clothing
2019	FILTECH 2019 Conference at Cologne Germany on October 22-24	Arunangshu Mukhopadhyay, Enhancing filter media performance during Industrial Gas Filtration
2019	International Conference on Innovative Textiles	Vivek Prasad Shaw and Arunangshu Mukhopadhyay, “Testing of wear performance of textiles in wet condition: Evolving Techniques and analysis
2019	International Conference on Emerging Trends in Traditional and Technical Textiles, NIT jalandhar	Preet, A., Midha, V. & Mukhopadhyay, A., (2019), Vapour moisture transmission behaviour of individual component and multi-layered fabric with sweat and pure water

2018	The 91st Textile Institute World Conference on 23rd -26th July 2018 at the University of Leeds, United Kingdom	D Uttam, A Mukhopadhyay and S M Istiaque, "Heat transport properties of hollow/micro-porous yarn fabrics"
2018	5th International Conference on Production and Industrial Engineering (CPIE-2018), Bangkok, Thailand	V. Gupta, V.K. Midha, A. Mukhopadhyay, "Dynamic forces and thread tension measurement in high speed industrial sewing machines"
2018	Textile, Bioengineering and Informatics Society (TBIS 2018), Manchester, UK.	A Mukhopadhyay, "Industrial Gas Filtration Solution through Sustainable Technology"
2018	5th International Conference on Production and Industrial Engineering, NIT Jalandhar	Gupta V, Midha V and Mukhopadhyay A, "Dynamic Forces and Thread tension measurement in high speed industrial sewing machines"
2016	16th World Conference AUTEX 2016 Conference at Ljubljana, Slovenia	Arunangshu Mukhopadhyay and Harshad S. Bawane, "Emission of Fine Particles and Ageing Behaviour of PTFE Finished Filter Media during Industrial Pollution Control"
2015	Filtech -2015,Cologne, Germany, February 24-26, 2015	Arunangshu Mukhopadhyay and Soumya Ranjan Swain, "Effect of Fabric Type and Dust Concentration on Filtration Performance"
2015	Filtech -2015, Cologne, Germany, February 24-26, 2015	A K Choudhary and A.Mukhopadhyay, "Study and characterization of the emitted particles in pulse jet filtration"
2015	Filtech -2015, Cologne, Germany, February 24-26, 2015	A Mukhopadhyay and A K Choudhary, "New test rigs for characterizing filter media"
2014	International conference on emerging trends in traditional & technical textiles, April 11th - 12th 2014, NIT Jalandhar (India)	Devanand Uttam, A. Mukhopadhyay and S.M. Ishtiaque, "Impact of hollow/micro-porous yarns on air permeability of single jersey knitted fabrics"
2014	International conference on emerging trends in traditional & technical textiles, April 11th - 12th 2014, NIT Jalandhar (India)	Agya Preet, A. Mukhopadhyay, "Impact of seam orientation on seam strength and fatigue behaviour of military fabrics"
2014	International conference on emerging trends in traditional & technical textiles, April 11th - 12th 2014, NIT Jalandhar (India)	A. Mukhopadhyay, A Chatterjee and Harbansh Singh, "Functional requirement of lead acid battery separator"
2014	International Conference on Technical Textiles and Nonwovens 2014	M P Sikka, S. Ghosh, A. Mukhopadhyay, "Structural Configuration and Stretch Property of High Stretch Bandages"
2014	International Conference on Technical Textiles and Nonwovens, Indian Institute of Technology Delhi	A Mukhopadhyay, "Industrial Gas Filtration: Issues and Challenges"
2014	International Conference on Emerging Trends in Traditional and Technical Textiles, NIT Jalandhar	Midha, V. K., Gupta, V., Mukhopadhyay, A. and Kumar, A, "Sewing Thread Tension Measurement in High Speed Industrial Sewing Machines"
2013	The 2nd International Textile and Costume Congress, Bangkok	A Mukhopadhyay, D Uttam and S M Ishtiaque, "Impact of structural variations in hollow yarn on thermo-physiological comfort of sportswear"
2013	Filtech - 2013, Wiesbaden, Germany	A. Mukhopadhyay & A. K Choudhary, "Characterization of industrial surface filter in pulse-jet filtration"
2013	Filtech - 2013, Wiesbaden, Germany	A. K. Choudhary, A. Mukhopadhyay, "Effect of inlet dust concentration and pulse cleaning pressure on pulse jet filtration performances"
2013	International conference - ICIEM, February 2013, BIT Meshra campus, Patna	A. K. Choudhary & A. Mukhopadhyay, "Role and factors influencing filtration in microelectronics"

2012	Chemcon, 2012, NIT Jalanadhar	A. K. Choudhary & A. Mukhopadhyay, "Media selection as function of fiber fineness for pulse jet fabric filtration system"
2012	Chemcon, 2012, NIT Jalanadhar	A. K. Choudhary & A. Mukhopadhyay, "Study of dust deposition on industrial surface filter"
2012	World Filtration Congress 11, April 16-20, 2012 in Graz, Austria,	A Mukhopadhyay, "Impact of operating parameters on industrial pulse-jet filtration process"
2011	FILTECH 2011 at Wiesbaden Germany, March 22-24, 2011	A Mukhopadhyay, "An L9 orthogonal design methodology to study the impact of operating parameters on pulse-jet filtration process"
2011	FILTECH 2011 at Wiesbaden Germany, March 22-24, 2011	A.K. Choudhary, A. Mukhopadhyay, "Material for high temperature gas filtration"
2010	Textile Institute World Conference at Manchester, UK, November 2-4, 2010	A Mukhopadhyay, "Impact of operating parameters on particulate emission and related characteristics during pulse-jet filtration process"
2010	Textile Institute World Conference at Manchester, UK, November 2-4, 2010	V K Midha, A Mukhopadhaya, R Chattopadhyay and V K Kothari, "Effect of high speed sewing on tensile properties of threads at different sewing stages"
2009	FILTECH – 2009 at Wiesbaden Germany, October 13 – 15, 2009	A K Choudhary & A Mukhopadhyay, "Improved performance of bag filter through surface modification"
2008	International Conference on Present Practices and Future Trends in Quality and Reliability -ICONQR08, January 22-25, 2008, Indian Statistical Institute, Kolkata, India	A Mukhopadhyay, "Experimental Design Methodology in Textile Manufacturing"
2007	INTC07, The International Nonwovens Technical Conference, September 24-27, 2007, Atlanta, Georgia. USA.	A Mukhopadhyay, "Study of Pulse-jet Filtration Process using Factorial Two Level Design"
2007	Fiber Society Spring Conference, May 23-25, 2007, Greenville, South Carolina, USA	A Mukhopadhyay, and R. A. Manavalan, "Enhancement of Surface Filtration for Improving Performance of Industrial Bag Filters"
2007	International conference on Futuristic Trends in Textiles, December 10-12, 2007, National Institute of Technology, Jalandhar, Punjab, India.	A Mukhopadhyay, "Development of Industrial Filter to meet PM2.5 Standard"
2007	MEDTEX 07, Fourth International Conference and Exhibition on Healthcare and Medical Textiles, July 16 – 18, 2007, Bolton, UK	M.Sikka, S. Ghosh and A. Mukhopadhyay "A study on the pressure profile of compression bandage and compression garment for treatment of venous leg ulcers"
2007	The Fiber Society Technical Conference, October 9-11, 2007, University of California, Davis, CA	M.Sikka, S. Ghosh, A. Mukhopadhyay, "Pressure performance of compression bandages in the treatment of venus leg ulcers"
2007	All India Seminar on Energy & Environmental Issues related to Chemical Industry 2007, Conference organized by Institution of Engineers (India) U. P centre, Lucknow	S. M. Ishtiaque, A. Mukhopadhyay and A. Kumar, "Impact of high speed draw frame on ring yarn quality and productivity"
2006	International Fibre Conference 2006, University of Seoul, South Korea, May 28 – June 3, 2006	A Mukhopadhyay, "Seam performance of two differently processed military Khaki fabrics"
2006	3rd international textile, clothing & design conference - Magic World of Textiles, October 08th to 11th 2006, Dubrovnik, Croatia	Vinay Kumar Midha, A Mukhopadyay & V K Kothari, "Characterization of Hollow Polyester Needle-Punched Nonwoven Blankets by their Physical bulk"

2006	XVI Conference of Society for Biomaterials and Artificial Organs – India, Indian Institute of Technology Delhi	M Sikka, A Mukhopadhyay & S Ghosh, "Creep performance in Short Stretch Bandages" in "Biomaterials, tissue engineering and medical diagnostics"
2005	National Conference on "Tools and Techniques for Quality and Productivity Improvement", Indian Statistical Institute, New Delhi	A. Mukhopadhyay, "Statistical Quality Control in Textile Industry"
1993	49th All India Textile Conference, The Textile Association, Coimbatore, 16th and 17th Dec. 1993	K. N. Chatterjee, A. Mukhopadhyay, S. C. Jhalani & B. P. Mani, "Effect of fibre shape, fabric weight and needling density on the filtration properties of non woven fabrics"

### Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Recent Trends in Traditional and Technical Textiles	Effect of Aerosol Charging on Energy Consumption During Pulse Jet Filtration using Conductive Media	Springer Nature	Mukhopadhyay A, Dutta S, Choudhary AK and Reddy CC.	978-981-15-9995-8	2020
Advanced Textiles for Wound Care (2nd Edition)	Specialty dressings for managing difficult to heal wounds	Elsevier, Cambridge	Arunangshu Mukhopadhyay, Monica Puri Sikka, Vinay Kumar Midha	978-0-08-102192-7	2019
Technical Textiles	Waterproof Breathable Fabrics in Technical Textiles	Woodhead Publishing Limited, Elsevier Cambridge	Dr A Mukhopadhyay	978-1-78242-465-9	2016
Smart breathable coatings for textiles	Smart breathable coatings for textiles in Active coatings for smart textiles	Woodhead Publishing Limited, Elsevier, Cambridge	Dr A Mukhopadhyay	978-0-08-100263-6	2016
Composite nonwoven materials: Design, development and applications	Composite nonwovens in filters: Part I Filtration Mechanism and Characteristics requirements of Nonwovens as Filter	Woodhead Publishing Limited, Elsevier, Cambridge	Dr A Mukhopadhyay	9780857097705	2014
Composite nonwoven materials: Design, development and applications	Composite nonwovens in filters: Part II Composite Nonwovens in Filters	Woodhead Publishing Limited, Elsevier, Cambridge	Dr A Mukhopadhyay	9780857097705	2014
Eds. I Jones and G Stylios	Factors that affect sewn seam performance in Joining textiles: principles and applications	Woodhead Publishing Limited, Cambridge	Dr A Mukhopadhyay	1 84569 627 1	2013

Textile Progress	Sewing Threads	Textile Institute, Manchester, UK	Dr A Mukhopadhyay	1 870372 38 7	2010
Textile Progress	Pulse-Jet Filtration: An Effective Way to Control Industrial Pollution; Part II: Process Characterization and Evaluation of Filter Media	Taylor & Francis, UK	Dr A Mukhopadhyay	1754-2278	2010
Textile Progress	'Pilling'	Textile Institute, UK	Dr A Mukhopadhyay	1 870372 15 8	2009
Textile Progress	Pulse-Jet Filtration: An Effective way to Control Industrial Pollution; Part I: Theory, Selection and Design of Pulse-jet Filter	Taylor & Francis, UK	Dr A Mukhopadhyay	1754-2278	2009
Technical Textiles: Technology, Development and Applications	Compression Bandages	IAFL Publications	Dr A Mukhopadhyay	978 81 901033 4 3	2008

### Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Principal Investigator	Instrument Development Program	Designing of Fabric Tensile Impact Testing Instrument	Department of Science & Technology	25-07-16	till date	36,02,600 /-	Ongoing	Vinay Midha
Principal Investigator	Extra Mural Research Program	Designing of Fabric Wet Abrasion Tester	CSIR	16-05-17	August 2021	29,30,200 /-	Completed	A K Chowdhary
Co Investigator	Instrument Development Program	Development of Positive thread feeding device for Sewing Machine	Department of Science & Technology	2015	2018	22,11,000 /-	Completed	---
Principal Investigator	Instrument Designing	Designing Nonwoven Fabric for Pulse-jet Filtration	MHRD	31-03-05	19-02-10	15,00,000 /-	Completed	---
Principal Investigator	Instrument Development Program	Design of Pulse-jet Filtration Apparatus	Department of Science & Technology	2011	2015	52,28,000 /-	Completed	---

Principal Investigator	Optimization of industrial pollution control	Optimization of pulse cleaning parameters for achieving high level performance of filter media during industrial pollution control under India – Austria Scientific & Technological Co-Operation between Wissenschaftlich-Technische Zusammenarbeit (WTZ) and Department of Science And Technology (DST)	WTZ & DST	23-05-19	22-05-21	Rs 8,69,800/-	Ongoing	
Principal Investigator		Value addition of pashmina guard hair through suitable product development	Khadi and Village Industries Commission	08-04-2022	08-04-2023	15,00,000 /-	ongoing	

### Events Organized :

Category	Type	Title	Venue	From	To	Designation
Workshop	National	Patenting in India on the eve of World Intellectual Property Day	NIT Jalandhar	26-04-18	26-04-18	Coordinator
STC	National	Air Pollution Control Techniques: Design and Development	NIT Jalandhar	11-09-17	15-09-17	Principal Coordinator
Seminar	National	Advances in Textile Materials and Processes	NIT Jalandhar	29-10-14	29-10-14	Coordinator

Workshop	National	Technology Transfer Event & One Day Workshop on Filter Media Characterization	NIT Jalandhar	15-12-14	15-12-14	Coordinator and Organizer
International Conference	International	ICETT 2014, International Conference on Emerging Trends In Traditional & Technical Textiles	NIT Jalandhar	11-04-14	12-04-14	Chairman
Workshop	National	Air Pollution Control in Industry jointly organized by NITJ and PPCB	NIT Jalandhar	24-02-12	24-02-12	Convener
Seminar	National	Nonwovens and Technical Textiles in association with Ministry of Textiles	NIT Jalandhar	05-10-12	06-10-12	Coordinator
Workshop	National	Industry Needs and Academia	NIT Jalandhar	08-02-13	08-02-13	Convenor
STC	National	Garment Technology	NIT Jalandhar	10-06-13	14-06-13	Organizer
Training Programme	National	Garment Making	NIT Jalandhar	18-04-08	20-04-08	Coordinator
Workshop	National	Industry Needs and Academia	NIT Jalandhar	08-02-13	08-02-13	Coordinator
Workshop	National	Filtration by Textile Media under TEQIP- II	PSG College of Technology, Coimbatore, India on October 21, 2016	21-10-16	21-10-16	Coordinator
International Conference	International	Emerging Trends in Traditional and Technical Textiles	NIT Jalandhar	01-11-2019	03-11-2019	Conference Chairperson
Induction Programme	National	Induction Programme	NIT Jalandhar	01-08-2019	14-08-2019	Chairman
FILTECH 2019, International Conference	International	F12 - Advanced Filter Media for Gas Filtration	Entrance East, KoelnMesse, Deutz-Mülheimer-Str. 35, Cologne, 50679, Germany	24-10-2019	24-10-2019	Session Chair
National Conference	National	Innovation and Best Practices in Educational System towards Nation Building, 30.11.2019		31-11-2019	01-12-2019	Session Chair
Industrial R&D Programme	National	Project Evaluation Committee (PEC) meeting at New Delhi, Global Innovation & Technology Alliance (GITA)		13-12-2019	13-12-2019	Technical Expert

International Conference	International	Chemical, Bio & Environmental Engineering (CHEMBIOEN-2020) during February 13-14, 2020	NIT Jalandhar	13-02-2020	14-02-2020	Session Chair
International Conference	International	Industrial and Manufacturing Systems (CIMS – 2020)	NIT Jalandhar	09-10-2020	11-10-2020	Session Chair
International Conference	International	Recent Development on Materials, Reliability, Safety and Environment Issues (IMRSE-2021)	NIT Jalandhar	25-06-2021	27-06-2021	Session Chair
International Conference	International	Sustainable Growth in Textile (SGT-2021)	Zoom App/ UPTTI, Kanpur	19-08-2021	21-08-2021	Member of Scientific Committee

### Professional Affiliations :

Designation	Organization
Life Member	Indian Society for Technical Education
Life Member	Member of Textile Association (India)
Fellow	Institute of Engineers (India)
Member	Textile Institute, UK

### PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Sudev Dutta	Pulse jet filtration assisted with static charge for efficient particulate capture in industries	Completed	2022	A K Chaoudhary & C C Reddy
Vivek Prasad Shaw	Performance of stretch denim fabric with abrasive damage	Completed	2022	NA
Agya Preet	Impact of sweat composition on thermo-physiological comfort of clothing	Completed	2021	V Midha
Harabansh Singh	Characterization of seam tensile properties as a function of seam angle in parachute canopy fabric	Completed	2018	A Chatterjee
N C Ray	Surface degradation behavior of injected slub yarn and corresponding fabric	Completed	2017	Vinay Midha
Monica Sikka	Studies on compression bandage material for controlling venus leg ulcer	Completed	2007	S Ghosh
A K Chaudhary	To Study the Influence of Filter Medium Design and Operating Parameters on Pulse-Jet Filtration Performance	Completed	2006	NA
Vinay Kumar Midha	Studies on the performance of sewing threads in high speed industrial sewing	Completed	2005	Prof V K Kothari & Prof R Chattopadhyay
Anupam Kumar	Optimization of drawframe sliver preparation for high speed drawframe	Completed	2003	Prof S M Ishtiaque
Devanand Uttam	Impact of hollow yarn on heat and moisture transport properties of fabric	Completed	2003	Prof S M Ishtiaque
Vaibhav Gupta	Studies on positive thread feeding in lockstitch sewing machine	Ongoing		A Mukhopadhyay
Gagan Mahawar	Optimization of pulse intensity during pulse jet filtration	Ongoing		NA



Gyana Ranjan Behera	Performance of parachute canopy fabric under impact loading	Ongoing		A Mukhopadhyay
Thallapally Vinodini Charan	Study on abrasion resistance in wet conditions	Ongoing		M P Sikka
Kumari Neha	Performance of mountaineering rope under impact loading	Ongoing		A Mukhopadhyay
K Meghana	Performance parachute fabric under tensile impact loading	Ongoing		M sikka
Satish Kumar	Aerosol Filtration	Ongoing		A K Choudhary
Nashra H Kidwai	Seam Characterization	Ongoing		A K Choudhary

## PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Prabhjot Singh	Response of surface filters exposed to different dust types at varying dust concentrations	Completed	2022	NA
Bhaves Thakur	Response of surface filters exposed to different level of fly ash concentration	Completed	2021	NA
Mandira Mondal	Effect of Structural Parameters of Spectra Slub Yarn on Abrasion Resistance of Knitted Fabric in Different Abrading Conditions	Completed	2020	NA
Akhil Sharma	Analysis of Filtration Performance of PTFE Coated and Non PTFE Coated Filter Media on Pulse Jet Filtration Test Rig using Static Charge	Completed	2019	NA
Komal Setiya	Effect of Wet Abrasion on Mélange Slub Yarn Knitted fabrics	Completed	2018	NA
Thathagata Das	Impact of Activated Carbon Contents on Cabin Air Filter Performance at Different Fume Flow	Completed	2018	NA
Jai Narain	Impact of progressive pulse cleaning pressure on filter media in pulse jet machine	Completed	2017	NA
Yashoda Devi	Effect of water contamination on transmissivity behaviour of nonwoven geotextile	Completed	2017	NA
Gagan Mahawar	Impact of filtration velocity, hole size and position of hole on emission behaviour through the leaked filter media	Completed	2016	NA
Hyder Khan	Effect of abrasion on knitted Slub yarn fabric	Completed	2016	NA
Harshad S. Bawane	Effect of PTFE finish and dust concentration on Pulse jet filtration performance	Completed	2015	NA
Hetal Domadia	Influence of geotextile material construction on the interface friction behavior of reinforced sand	Completed	2015	NA
Niharika Aikat	Study on mélange slub yarn with the variation in slub dimensions	Completed	2014	NA
Soumya Ranjan Swain	Effect of fabric type and dust concentration on filtration performance	Completed	2014	NA
Taronjot	Effect of variation of garment fit on the seam performance of the inseam of a military trouser	Completed	2013	NA
Vipul Pandit	Effect of High temperature on the performance of military fabric	Completed	2013	NA
Agya Preet	Impact of seam orientation on seam strength and fatigue behaviour of military fabric	Completed	2012	NA

Kamal Dhawan	An L9 Orthogonal Design Methodology to Study the Impact of Operating Parameters on Particulate Emission and related Characteristics during Pulse-jet Filtration Process	Completed	2008	NA
Garima Bhatia	Tearing strength and bending behavior of some functional fabrics	Completed	2007	NA
R A Manavalan	Fabrication of pulse-jet filtration apparatus to evaluate filter bag performance	Completed	2007	NA
M Sikka	Studies on creep behaviour of compression bandage material	Completed	2006	NA
A K Pattanayak	Some studies on flexural rigidity of woven fabrics of different weave structure	Completed	2002	NA
A. K. Mohanty	Performance of LYCRA based knitted fabrics on repeated laundering	Completed	2002	NA
R. Nayak	Tensile properties of textured yarn woven Fabrics	Completed	2002	NA
A. K. Das	Some studies on thickness and compressional characteristics of air-jet textured yarn fabrics	Completed	2001	NA
A. Saha	Some studies of jet-spun yarn characteristics through experimental design and anlysis	Completed	2001	NA
K. Dasgupta	Optical analysis of CLASSIMATE yarn faults	Completed	2001	NA
B. P. Das	Effect of polyester-viscose and acrylic-viscose blend on low stress mechanical properties of knitted fabric	Completed	2000	NA
M. K. Sharma	Effect of blend on comfort properties of polyester-viscose and acrylic-viscose blended suiting and shirting fabrics	Completed	2000	NA
A. Banerjee	Some studies on the characteristics of core and effect air-jet textured yarns	Completed	1999	NA
P. Chatterjee	Some studies on dimensional and compressional properties of acrylic and viscose ring and air-jet spun yarn plain knitted fabrics	Completed	1999	NA
S. Chowdhury	Filtration of an aerosol filtration apparatus based on pulse-jet cleaning	Completed	1999	NA
B. Basu	Blend irregularity and migratory behaviour of blend constituents in AJS polyester - viscose yarns	Completed	1998	NA
P. S. Chandra	Some studies on recovery behaviour of air-jet textured yarn and its grey and heat-set fabric	Completed	1998	NA
A. K Karmakar	Some studies of bulk and compressional behaviour of ring, rotor and air jet spun yarn woven fabrics	Completed	1997	NA
R. Das	Some studies on SIRO spun worsted yarn	Completed	1997	NA
A. Chakraborty	Effect of rate of extension and gauge length on the tensile behaviour of ring and air-jet spun yarn	Completed	1996	NA
D. Sharma	Response of polyester worsted yarns with different types of wool fibres	Completed	1996	NA
S. Jhanwar	A comparative study of ring and rotor spun nylon yarn at different twist levels	Completed	1996	NA
T. K. Maiti	Response to doubling of MJS yarns produced with varying nozzle pressure	Completed	1996	NA
A. M. Singh	Effect of fabric sett, filtration time and particle size distribution on filtration characteristics	Completed	1995	NA

B. Saha	Studies on the influence of processing parameters on physical and dyeing behaviour of air-jet spun yarns	Completed	1995	NA
D. Guhaneogi	Fabrication of a modified filtration and air permeability tester	Completed	1995	NA
R. N. Saha	Effect of some machine variables on structure and properties of 100% acrylic M.J.S. yarn and comparison with ring spun yarn	Completed	1995	NA
B. Mitra	Some studies on Jute/Polypropylene blended yarn and fabric characteristics	Completed	1994	NA
P. Paul	Studies of filtration behaviour of nonwoven needle punched fabric with the Jute scrim	Completed	1994	NA
S. Sikdar	Effect of polyester fibre with different cross-section and blend percentage on the structure and properties of P/V MJS yarn	Completed	1994	NA
A. V. Kumar	The effect of blend composition, linear density and twist multiplier of worsted yarn on fabric appearance	Completed	1993	NA
D. Ghosh	Studies of clogging behaviour on some needle punched nonwoven geotextiles	Completed	1992	NA
N. Sil	Some studies on polyester wool blended worsted yarn and fabric properties	Completed	1992	NA
Hansraj Gujre	Impact of the aquapass and softening on the terry-pile fabric	Ongoing		NA

### Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
An apparatus for testing cleanable filter media in tubular form (Application)	391394	23-02-15	NIT Jalandhar	Awarded
An apparatus for testing cleanable filter media in flat form (Application)	388068	23-02-15	NIT jalandhar	Awarded

### Admin. Responsibilities :

Position Held	Organization	From	To
Head of Department	Textile Technology	04-09-12	03-02-15
TEQIP Nodal Officer	NIT Jalandhar	28-11-16	13-05-19
Prof in-charge	Training & Placement	25-01-17	08-02-18
Prof in-charge	Entrepreneurship cell at NIT Jalandhar under Pradhan Mantri YUVA Yojna (PM-YUVA)	05-03-18	till date
Associate Dean (R&C)	NIT Jalandhar	09-02-18	23-01-19
Vice-President	Institution's Innovation Council at NITJ	15-10-18	till date
Dean Academic	NIT Jalandhar	24-01-2019	05-02-2021
Chairman of Institute Annual Magazine	NIT Jalandhar	23-04-19	March 2020
Chairman of Internal Quality Assurance Cell (IQAC) & Internal Audit Committee	NIT Jalandhar	03-06-2021	till date

Chairman of Institute Accreditation and Academic Audit	NIT Jalandhar	03-06-2021	till date
BOG member	NIT Jalandhar	09-05-2022	08-05-2024

### **Award and Honours :**

<b>Title</b>	<b>Activity</b>	<b>Given by</b>	<b>Year</b>
Triguna Charan Sen Prize	Research paper published in the Journal of Institute of Engineers during 32nd Indian Engineering Congress	32nd Indian Engineering Congress	2017
International Award	Award winner based on presentation of Research Paper	Textile Institute Centenary Conference, Manchester, UK	2010
Dr B C Roy Medal	First position in B.Tech batch in Institute	National Awards	1987
Precitex Award	Highest position in the subject area 'Spinning' during B.Tech	National Awards	1987