

Profile Page



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Designation : Professor

Department : Textile Technology

Qualification : PhD Textile (IIT Delhi)
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Research Interests :

Technical Textiles/Nonwovens/Sewing threads/Textile Management

Other Profile Links :

Google Scholar Link :

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Journal Publications :

Year	Journal	Publication
2022	Research Journal of Textile and Apparel	Garg, S., Sikka, M.P. and Midha, V.K., Review on fabric thermal comfort in wet conditions.
2022	Journal of Industrial Textiles	Garg, S., Midha, V.K. and Sikka, M.P., Studies on thermal comfort of multi-layered fabric assembly after wetting with sweat and distilled water
2022	Indian Journal of Fibre & Textile Research	Mukhopadhyay, A., Midha, V., & Preet, A., Impact of varying lactate concentration in sweat on liquid moisture transmission behavior of layered ensembles.
2022	International Journal of Clothing Science and Technology	Mukhopadhyay, A., Midha, V., & Preet, A., Impact of varying lactate concentration in sweat on thermo-physiological comfort of multi-layered ensembles.
2022	Indian Journal of Fibre and Textile Research, 47(1), 96-104,	Midha, V. K., Joshi, S., & Dakuri, A., Surgical gown fabrics in infection control and comfort measures at hospitals
2022	Asian Technical Textiles, 16(2), 45-50	Rao S V S, Midha V K and Garg S, Textile Integrated Body Heat Harvesting

2022	Indian Journal of Fiber and Textile Research Vol 46(4), 333-340	Sharma S, Midha V and Verma S, Functional Finishing of Woven Fabric with Reduced Graphene Oxide Nanosheets Decorated with Ag-N doped Titanium Dioxide Nanoparticles
2022	The Journal of the Textile Institute, 1-8. DOI: 10.1080/00405000.2022.2026578	Kumar S, Midha V K and Verma S. Theoretical model to estimate the storage volume of rolled erosion control products/geomeshes.
2021	Textile and Apparel, 31(3), 214-219	Hes L and Midha V., Precision of measurement of water vapor resistance of fabrics with different surface roughness by a skin model.
2021	Indian Journal of Fibre and Textile Research, 46(1), 52-56	Midha V K, Gupta N and Verma S., Effect of process parameters on tensile properties of cotton sewing thread used in reinforcement layer of drafting aprons.
2021	Tekstilec, , 64(1) 55-69	Joshi S, Midha V and Rajendran S., Invesitgation of durable bio-polymeric antimicrobial finishes to chemically modified textile fabric using solvent induction system
2021	Indian Journal of Fibre and Textile Research, 45(6), 457-463	Mukhopadhyay, A., Midha, V.K and Preet A., Impact of seam on liquid transmission behavior of multi-layered ensembles using sweat and water.
2021	Tekstilec	Verma, S., Midha, V.K. and Choudhary, A. K. Effect of parameters on the runoff erosion control performances of structurally modified jute and coir geomeshes at loamy sand, 64(2), 149-158
2021	Tekstilec	Joshi, S., Midha, V.K. & Rajendran, S. Investigation of durable Bio-polymeric antimicrobial finishes to chemically modified textile fabrics using solvent induction. 64(1), 55-69
2021	Textile and Apparel, 31(3), 214-219. DOI: 10.32710/tekstilvekonfeksiyon.852908	Hes L and Midha V. Precision of measurement of water vapor resistance of fabrics with different surface roughness by a skin model.
2021	Indian Journal of Fibre and Textile Research, 46(1), 52-56.	Midha V K, Gupta N and Verma S. Effect of process parameters on tensile properties of cotton sewing thread used in reinforcement layer of drafting aprons.
2021	Indian Journal of Fiber and Textile Research, 46, 333-340.	Sharma S, Midha, V. & Verma, S. Functional finishing of woven fabric with reduced graphene oxide nanosheets decorated with Ag-N doped titanium dioxide nanoparticles.
2021	Nveo-Natural Volatiles & Essential Oils Journal, 2458-2466.	Sharma A and Midha V. Impact of Machine parameters on industrial sewing needle temperature.
2021	Journal of Natural Fibres. DOI:10.1080/15440478.2021.1941481	Verma, S., Midha, V.K. and Choudhary, A. K. Runoff erosion control performance of structurally modified coir geomeshes on different soil type and slope angle
2021	Reseachsquare. DOI: 10.1007/s40034-021-00226-0	Joshi S, Midha V and Rajendran S. Grapeseed oil (Vitis Vinifera L.) treatment on polyester based fabrics to develop antibacterial and physiologically comfortable healthcare and hygiene textiles.
2021	Indian Journal of Fiber and Textile Research, 46, 341-348.	Joshi, S., Midha, V., & Rajendran, S. The Influence of Trichloroacetic acid-Methylene chloride (TCAMC) on the Structure of PET Polyester Fabrics.
2020	Journal of Natural Fibers, DOI: 10.1080/15440478.2020.1739589	Sushma Verma, Vinay Kumar Midha & Awadesh Kumar Choudhary (2020) Multi-objective Optimization of Process Parameters for Lignin Removal of Coir Using TOPSIS
2020	The Journal of The Textile Institute, DOI: 10.1080/00405000.2020.1744221	Agya Preet, Arunangshu Mukhopadhyay & Vinay Midha (2020) Investigation of impact of seam on moisture transmission and drying behaviour of multi-layered ensembles using sweat and water
2020	Journal of Natural Fibres	Joshi, S., Midha, V.K. CA-Chitosan effect on the time-dependent serviceability of jute geotextile under unpaved roads. 10.1080/15440478.2020.1848705.

2020	Journal of Natural Fibres	Verma, S., Midha, V.K. and Choudhary, A. K. Optimization of parameters for alkali treatment on coir fibre for biomass production using TOPSIS. Journal of Natural Fibres. 10.1080/15440478.2020.1838994
2020	Journal of The Textile Institute	Preet, A., Mukhopadhyay, A., & Midha, V.K. Investigation of impact of seam on moisture transmission and drying behaviour of multi-layered ensembles using sweat and water. Journal of Textile Institute, DOI: 10.1080/00405000.2020.1744221
2019	The Journal of The Textile Institute, 110:3, 445-450, DOI: 10.1080/00405000.2018.1489339	Vinay Kumar Midha, Ashish Kumar Gupta & A. Mukhopadhyay (2019) Effect of gauge length on loop strength of sewing threads
2019	Journal of The Institution of Engineers (India): Series E ,100, 147-153	Midha V, Gupta V, Mukhopadhyay A, Impact of Positive Thread Feeding for High Speed Industrial Lockstitch Sewing Machine: Part II Response With Cotton and Polyester Needle Threads
2019	Journal of The Institution of Engineers (India): Series E ,100(1),71-79	Midha V, Gupta V, Mukhopadhyay A, Impact of Positive Thread Feeding for High Speed Industrial Lockstitch Sewing Machine: Part I Development of Device
2019	Tekstilec,62(2),148-154	Midha V, Gupta A, Effect of using lower linear density bobbin thread on seam strength
2019	Journal of Fibre Bioengineering and Informatics, 12(3),129-135	Midha V K and Verma S, Effect of lubrication on the changes in tensile properties of cotton sewing thread at different stages of sewing
2018	International Journal of Engineering Technology Science and Research, 5(5), 623-628	Sushma and Midha V., Influence of Structural Parameters on Moisture Management Properties of Terry Towel.
2018	Indian Journal of Fibre and Textile Research,43,421-425	Midha, V K, Suresh KS, Alpa, Shruti, Upma, A Study on Transmittance Behaviour of Curtain Fabrics under Natural Lighting Conditions
2018	Journal of Natural Fibers, 16(3), 427-441	Suresh Kumar and Midha V K, Influence of weft yarn diameter on runoff erosion control performance of woven geomesh
2017	Journal of Textile Engineering and Fashion Technology, Vol 1 (4) 1-9.	Midha, V. K, & Dakuri, A., Spunbonding Technology and Fabric Properties: a Review.
2017	The Journal of Textile Institute, 108(9), 1496-1503	Mukhopadhyay, A., Midha, V.K., & Ray, N.C., Effect of Structural Parameters of Injected Slub Yarn on its Tensile Properties and Abrasion Resistance.
2017	Journal of Natural Fibers,16(2), 153-162	Suresh Kumar and Midha V K, Influence of slope angle and rainfall intensity on the runoff erosion control performance of woven geomesh
2017	Journal of the Textile Institute	Mukhopadhyay A, Agya Preet and Midha V K, Moisture transmission behaviour of individual component and multi-layered fabric with sweat and pure water
2017	Research Journal of Textile and Apparel 21 (2), 111-133	Mukhopadhyay A, Midha V K and Ray N C, Multi-objective optimization of parametric combination of injected slub yarn for producing knitted and woven fabrics with least abrasive damage
2017	Journal of The Institution of Engineers (India): Series E 98 (1), 47-54	Midha V K, Joshi S and Suresh Kumar, Performance of Chemically Treated Jute Geotextile in Unpaved Roads at Different in situ Conditions
2017	Journal of Fiber Bioengineering and Informatics 10 (3), 155-161	Midha V K, Suresh Kumar and Sharma A, Biodegradable Geomeshes for Rainsplash Erosion Control
2017	J Textile Eng Fashion Techno 1 (4), 1-9	Midha V K and Dakuri A, Spun bonding Technology and Fabric Properties: a Review
2017	The Journal of the Textile Institute, 108(1), pp 71-77	Midha V K, Suresh Kumar and Nivas Kumar, Investigation on Permeability and Moisture Management Properties of different Denim Fabrics after Repeated Laundering

2017	Journal of Textile Science and Engineering, (2017). Vol 7 (2) Doi 10.4172/2165-8064.1000295	Sharma, S., Gupta, V. and Midha, V. K. 'Predicting Sewing Thread Consumption for Chainstitch using Regression Model
2016	Indian Journal of Fibre and Textile Research,42, 413-419	Mukhopadhyay, A., Midha,V.K., & Ray, N.C, Impact of Abrasion on Mass Loss and Appearance of Injected Slub Yarn Knitted Fabrics
2016	Journal of The Institution of Engineers (India): Series E 97 (1), 47-53	Ray N C, Mukhopadhyay A and Midha V K, Response of Slub Characteristics on Tensile Properties of Injected Slub Yarn
2016	Journal of The Institution of Engineers (India): Series E 97 (2), 99-106	NC Ray, A Mukhopadhyay, VK Midha, Impact of abrasion on mass loss and surface appearance of woven fabrics made with injected slub yarn in weft
2016	Research Journal of Textile and Apparel 20 (3), 155-163	Midha V K, Sharma S and Gupta V, Predicting sewing thread consumption for lockstitch using regression model
2016	Tekstil, 65(3/4), 76-83	Midha V K, Suresh Kumar and Sharma N, Studies on the serviceability of jute geotextiles in unpaved roads at different rainfall conditions
2015	Journal of The Institution of Engineers (India): Series E 96 (2), 131-138	Midha V Km Hiremath, S and Gupta V, Optimizing aqua splicer process parameters for Lycra-cotton core spun yarn using Taguchi method
2015	The Journal of the Textile Institute, 106 (4), 395-401	Midha V K and Suresh Kumar, Effect of seam angle on seam puckering in lightweight woven fabrics
2015	International Journal of Mining, Metallurgy & Mechanical Engineering, Vol 3(3), 79-82	Midha, V.K and Gupta, V., Effect of Process Parameters on Tensile Properties of Threads during High Speed Lockstitch Sewing
2014	Geosynthetics International, 21 (5), 301-309	Midha V K, Suresh Kumar and Sharma A, Performance of transesterified jute rolled erosion control products
2014	Fashion and Textiles, 1 (1), pp 1-12	Midha V K, Vashisht R and Midha V, Durability of fluoropolymer and antibacterial finishes on woven surgical gowns
2013	Geosynthetics International, 20 (6), 396-407	Midha V K and Suresh Kumar S, Influence of Woven Structure on Coir Rolled Erosion Control Products
2013	The Reseach Journal of Costume Culture, 21 (6), 967-973	Midha V K, Mukhopadhyay A, Chattopadhyay R and Kothari V K, Dynamics of Lockstitch Sewing Process
2012	Journal of Industrial Textiles, 43 (2), pp 174-190	Midha V K, Dakuri A and Midha V, Studies on the Properties of Nonwoven Surgical Gowns
2012	International Journal of Textile and Fashion Technology, 2(2), 45-55.	Midha V K and Chavan M, Nonwoven Sound Absorption Materials
2012	Asian Technical Textiles, 6(4), 52-56.	25. Midha, V.K. and Suresh K. S., Coir Goemesh: An Effective Solution for Run-off Erosion Control in India
2011	Research Journal of Textile and Apparel, 15 (3), 75-85	Midha V K, Mukhopadhyay A and Ramanpreet, An Approach to Seam Strength Prediction Using Residual Thread Strength
2011	The Journal of the Textile Institute, 102 (2), 126-130	Midha V K, Studies on Stiffness and Abrasion resistance of Needlepunched Nonwoven Blankets
2011	The Journal of the Textile Institute, 102 (8), 668-674	Midha V K, Ranking fibre and process parameters affecting thermal resistance of needle punched blankets using neural network
2010	Textile Research Journal, 80 (6), 491-507	Midha V K, Mukhopadhyay A, Chattopadhyay R and Kothari V KEffect of Process and Machine Parameters on Changes in Tensile Properties of Threads during High Speed Industrial Sewing
2010	Fibers and Polymers, 11 (4), 661-668	Midha V K, Kothari V K, Chattopadhyay R and Mukhopadhyay, A, A Neural Network Model for Prediction of Strength Loss in Threads during High Speed Industrial Sewing
2010	Journal of Engineered Fibres and Fabrics, 5 (1), 31-38	Midha V K, Kothari V K, Chattopadhyay R and Mukhopadhyay A, Effect of Workwear Fabric Characteristics on the Changes in Tensile Properties of Sewing Threads after Sewing

2009	Textile Research Journal, 79 (13), 1155-1167	Midha V K, Mukhopadhyay A, Chattopadhyay R and Kothari V K, Studies on the Changes in Tensile Properties of Sewing Thread at Different Sewing Stages
2009	International Journal of Clothing Science and Technology, 21 (4), 217-238	Midha V K, Kothari V K, Chattopadhyay R, Mukhopadhyay A, Effect of High Speed Sewing on the Tensile Properties of Sewing Thread at Different Stages of Sewing
2008	artical	Midha, V.K., Effect of Process Parameters and Layering on the Properties of Needle punched Fabric Filters.
2008	Journal of Industrial Textiles, Vol. 37 (3), 225-262.	Mukhopadhyay A and Midha V K, A Review on Designing the Waterproof breathable Fabrics Part I: Fundamental Principles and Designing Aspects of Breathable Fabrics
2008	Journal of Industrial Textiles, Vol. 38 (1), 17-41	Mukhopadhyay A and Midha V K, A Review on Designing the Waterproof breathable Fabrics Part II: Fundamental Principles and Designing Aspects of Breathable Fabrics
2007	Textile Asia	Midha V K, Mathur G and Sharma C, Supply Chain Management in Textile Industry
2005	Indian Journal of Fibre and Textile Research, 30(2), 218-229	Midha V K and Mukhopadhyay A, Bulk and Physical Properties of Needle punched Nonwoven Fabrics
2005	The Indian Textile Journal, Vol. 116 (2), 23-28.	Midha, V.K. and Sikka, M., Principles of Plant Location and Layout
2004	Prestige Journal of Management and Research, Vol. 8 (1/2), 119-124	Midha, V.K. and Sikka, M., Entrepreneurship Development in India: Challenges & Opportunities.
2004	Indian Journal of Fibre and Textile Research, 29(4), 391-399	Midha V K, Alagirusamy R and Kothari V K, Studies on Properties of Hollow Polyester Needle punched Fabrics
2004	Asian Textile Journal	Midha V K, Alagirusamy R and Kothari V K, Studies on Thermal Properties of Hollow Polyester Needle Punched Blankets
2004	Prestige Journal of Management and Research, 8(1/2), 119-124	Midha V K and Sikka M
2004	The Indian Textile Journal, Vol. 114 (5), 17-24	Midha, V.K. and Kothari, V.K., (2004). "Developments and Recent trends in Spunbonding Technology
2003	The Indian Textile Journal, Vol. 113 (7), 9-17	Midha, V.K. and Kothari, V.K., (2003). "Gas Filtration using Textile Filters

Conference Publications :

Year	Conference	Publication
2022	National Conference on Nonwovens in Technical Textiles, Bannari Amman Institute of Technology, Sathyamangalam, 12th May,	Midha, V K and Rao S V S., Multilayer stab resistant fabrics and composites.
2021	International Conference on Advances in Textile, Fashion & Crafts- [ATFC - 2021], 22-24 March 2021, National Institute of Fashion Technology (NIFT), Jodhpur, India.	Joshi, S., Midha, V., Performance of neem oil treated polyester textile structures for healthcare applications.
2021	Azadi ka Amrit Mahotsav	Vinay Midha, MHI Assistance Needed for Technology Gap of Textiles Engineering Industry' in Seminar on the theme
2021	International E Conference on Advances in Textile Materials and Processes (ATMP-2021)	Vinay Midha, Effect of process parameters on reduction in lignin and flexural rigidity of coir fibre
2021	Department of Fashion Design Knits, Northern India Institute of Fashion Technology	Vinay Midha, Selection of Sewing Threads' during the online ATAL Faculty Development Program on Apparel Design

2021	International Conference on Advances in Textile, Fashion and Crafts, organized by National Institute of Fashion Technology, Jodhpur	Vinay Kumar Midha and Sushma Verma, Impact of different lubrication percentage on tensile properties of cotton sewing threads at different stages of sewing
2020	E conference on “Recent trends in textiles- a paradigm for innovative and sustainable fibres, yarns, fabric and garment production, processing & designing aspects”, 18-19 September, TIT&S Bhiwani.	Agya Preet., Midha, V. K. and Mukhopadhyay, A. Impact of sweat on liquid moisture transmission behaviour of multi layered system design for cold weather apparels.
2020	E conference on “Recent trends in textiles- a paradigm for innovative and sustainable fibres, yarns, fabric and garment production, processing & designing aspects”, 18-19 September, TIT&S Bhiwani.	Verma, S., Midha, V. K. and Kumar, S. (2020) ‘Effect of rainfall intensity and slope angle on erosion control performance of geomeshes.
2020	online ATAL Faculty Development Program on Apparel Design, organized by Department of Textile Technology, Dr B R Ambedkar NIT Jalandhar on May 26th – 30th	Vinay Midha, Sewing Threads and Sewing Performance.
2020	online ATAL Faculty Development Program on Apparel Design, organized by Department of Textile Technology, Dr B R Ambedkar NIT Jalandhar on May 26th – 30th	Vinay Midha, Sewing Machinery and Sewing Room Operations.
2020	TEXCON at SVVV Indore 5th- 6th Feb	Vinay Midha, Dynamics of lockstitch sewing.
2020	Faculty Development Program on “Recent Innovation in Textile & Garment Design & Development’ at TIT&S Bhiwani, 13th -25th Jan	Vinay Midha, Recent developments in nonwovens.
2019	2nd International Conference on Emerging Trends in Traditional and Technical Textiles, November, 1st -3rd, NIT Jalandhar	Verma, S., Midha, V.K., “A Review on Pretreatment methods for bioconversion of coir fibre”
2019	2nd International Conference on Emerging Trends in Traditional and Technical Textiles, November, 1st -3rd, NIT Jalandhar	70. Kumari, R., Midha, V.K., “Study on Seam Strength Testing on Cylindrical Surface”
2019	6th International Conference on Production and Industrial Engineering, June, 8th -10th, NIT Jalandhar	72. Midha, V. K. and Verma, S. (2019). “Effect of process parameters on changes in tensile properties of cotton sewing thread”
2019	4th International Conference on Natural Fibers, Porto. Portugal, July. 1st -3rd.	58. Midha, V. K. and Kumar, S. (2019). “Influence of weft yarn diameter and weft yarn density of coir and jute geomeshes on soil erosion control”
2019	National conference on Advances in chemical and environmental engineering, NIT Jalandhar, on 23rd -24th March	Midha, V., Kumar, J., Sharma, A., Sharma, S., Study of self-cleaning and anti-microbial performance of low temperature synthesized nitrogen doped titanium dioxide for multiple applications.
2018	3rd Himachal Pradesh science congress, IIT Mandi, 22nd -23rd October	Midha, V. K., Verma, S. and Kumar, S., Erosion control & disaster management using biodegradable geomeshes.
2018	Applied Science and Management (ICAEASM-2018), Chandigarh, 27th May.	Sushma Verma and Vinay Midha, Influence of structural parameters on moisture management properties of terry towel” 3rd International Conference on Advancement in Engineering
2018	The 11th Textile Bioengineering and Informatics Symposium -Advanced Materials and Smart Wearables, Manchester, July 25-28, 2018.	59. Midha V, Sushma, (2018), “ Effect of lubrication percentage on the changes in tenacity of cotton sewing threads at different stages of sewing” TBIS 2018
2018	5th International Conference on Production and Industrial Engineering (CPIE-2018), 26th -29th June, Bangkok, Thailand.	58. Gupta V, Midha V and Mukhopadhyay A, (2018), “Dynamic Forces and Thread tension measurement in high speed industrial sewing machines

2018	Advance in chemical science and Technology, Department of Chemical Engineering (ACST- 2018), 27th- 28th April.	Joshi S, Midha V, Influence of road design on the time dependent serviceability of chemically treated jute geotextiles in unpaved roads.
2018	Advance in chemical science and Technology, Department of Chemical Engineering (ACST- 2018) at NIT Jalandhar, on 27th- 28th April	Joshi S, Midha V, A critical review on geotubes: Application of geotextile and geomembranes as a temporary wall in flooded areas.
2018	National Conference on Advanced structures, materials and methodology in civil engineering, NIT Jalandhar, 3rd – 4th November	Verma, S., Kumar, S. and Midha, V. K., Runoff erosion control using biodegradable geomeshes at different rainfall intensity.
2016	TBIS International Symposium, Melbourne	Midha, V. K. and Kumar, S, Influence of weave factor and soil slope on the erosion control performance of coir geomesh
2016	International Conference on Nanotechnology for better living, NIT Srinagar	Midha, V. K., Kumari, A and Sharma, A, Application of nanotechnology in self cleaning clothes
2016	International Conference on Emerging Trends in Engineering and Technology	Midha, V. K. and Kumar, S, Relation between storage volume and erosion control performance of woven geomesh
2015	3rd International Conference on Manufacturing and Textile Engineering, Dubai	Midha, V. K. and Gupta, V, Effect of Process Parameters on Tensile Properties of Threads during High Speed Lockstitch Sewing
2014	International Conference on Technical Textiles and Nonwovens, IIT Delhi	Midha, V. K., Kumar, S. & Sharma A, Modified Biodegradable Rolled Erosion Control Products (RECPs) for Rainsplash Erosion Control
2014	International Conference on Emerging Trends in Traditional and Technical Textiles, NIT Jalandhar	Midha, V. K., Gupta, V., Mukhopahdyay, A. and Kumar, A, Sewing Thread Tension Measurement in High Speed Industrial Sewing Machines
2014	International Conference on Emerging Trends in Traditional and Technical Textiles, NIT Jalandhar	Midha, V. K., and Kumar, S, Run off Erosion Control using Coir Geomesh
2013	NIT Jalandhar, 10th-14th June	Midha, V. K., ‘Sewing Dynamics’, Short term course on Garment Technology.
2013	Short term course on Garment Technology’, NIT Jalandhar, 10th-14th June	Midha, V. K., Sewing Threads.
2013	Proceedings of Futuristic and Emerging Area in Technology: Issues and Challenges, GZS Institute of Engineering and Technology Bathinda	Midha, V. K., Mukhopahdyay, A. and Kaur, R., An Approach to Seam Strength Prediction using Residual Thread Strength.
2013	The 2nd International Textiles and Costume Congress, Kasetsart University, Bangkok, Thailand	Midha V K, Dynamics of Lockstitch Sewing Process
2012	International Conference on Innovative Methods in Textile Manufacturing and Clothing	Midha, V.K. and Chavhan, V, Nonwoven Sound Absorption Materials
2011	Recent Trends in Textile Education, Technical University of Liberc, Liberc, Czech Republic	Midha V K, Tensile Properties of Sewing Threads during High Speed Industrial Sewing
2011	Filtech'2011, Wiesbaden, Germany	Midha V K, Filtration of Gases using Textile Filters
2010	The Textile Institute Centenary Conference, Manchester, UK	Midha, V.K., Mukhopadhyay, A., Chattopadhyay, R. and Kothari, V. K, Effect of High Speed Sewing on Tensile Properties of Threads at Different Sewing Stages
2010	Conference on Production and Industrial Engineering, Jalandhar	Midha V K, Sensitivity Analysis of Parameters affecting Air Permeability of Needle punched Nonwoven Fabrics using Neural Network Model
2007	The fiber society spring conference, Greenville USA	Midha V K, Effect of process parameters and layering on the properties of needlepunched fabric filters
2007	International Nonwoven Technical Conference, Atlanta, USA	Midha V K, Studies on Stiffness and Abrasion Resistance of Needle punched Nonwoven Blankets

2007	International Conference on Futuristic Trends in Textiles, Jalandhar, India, Dec' 10th -12th, 179-188	Vinay Midha, Improvement in Stiffness and Abrasion resistance of Needlepunched Nonwoven Blankets.
2006	3rd International Textile, Clothing and Design Conference- Magic World of Textiles, Croatia	Midha V K, Mukhopadhyay, A and Kothari V K, Characterization of hollow polyester needlepunched nonwoven blankets by their physical bulk
	2nd International Conference on Emerging Trends in Traditional and Technical Textiles, November, 1st -3rd, NIT Jalandhar	

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Book	Recent Trends in Traditional and Technical Textiles-Select Proceedings of ICETT 2019	Springer Nature, Singapore	Vinay Kumar Midha and A Mukhopadhyay	978-981-15-9994-1	2021
Book Chapter	Influence of weft densities and runoff erosion control performance of rolled erosion control systems' in Recent Trends in Traditional and Technical Textiles-Select Proceedings of ICETT 2019', Eds. Vinay Kumar Midha and A Mukhopadhyay, DOI: 10.1007/978-981-15-9995-8	Springer Nature, Singapore	Vinay Kumar Midha and Suresh Kumar S	978-981-15-9994-1	2021
Book Chapter	Nonwovens and recent developments' in Fibres to Smart Textiles: Advances in Manufacturing	Eds. Asis Patnaik and Sweta Patnaik, CRC Press	Vinay Kumar Midha and Monica Sikka.	10.1201/9780429446511	2019
Book Chapter	The role of biopolymers and biodegradable polymeric dressings in managing chronic wounds, in Advanced Textiles for Wound Care, Edited By Rajendran S, pg 463-488	Woodhead Publishers	Monica Sikka and Vinay Kumar Midha	Paperback ISBN: 9780081021927 eBook ISBN: 9780081021934	2019
Book Chapter	Speciality dressings for managing difficult-to-heal wounds, in Advanced Textiles for Wound Care, Edited by Rajendran S, pg 391-421	Woodhead Publishers	A Mukhopadhyay, Monica Sikka and Vinay Kumar Midha	Paperback ISBN: 9780081021927 eBook ISBN: 9780081021934	2019
Book Chapter	Non-Woven Fabrics: Technology, Applications and Recent Developments, Fibres to Smart Textiles Advances in Manufacturing, Technologies, and Applications, Edited by A Patnaik & S Patnaik, pg	CRC Press	Vinay Kumar Midha and Monica Sikka	ISBN 9781138332515	2019

Book Chapter	Waterproof Breathable Fabrics' in Handbook of Technical Textiles, 2nd Edition, Volume 2, Eds. A R Horrocks and S C Anand	Woodhead, Cambridge	A Mukhoapdhayay and Vinay Kumar Midha	978-1-78242-465-9	2016
Book Chapter	Smart Breathable Coatings for Textiles' in Active Coatings for Smart Textiles, Eds. Jinlian Hu	Woodhead, Cambridge	Vinay Kumar Midha and A Mukhopadhyay	9780081002636	2016
Book Chapter	The Quality and Performance of Sewn Seams' in Joining Textiles: Principles and Applications, Eds. I Jones and G Stylios	Woodhead, Cambridge	A Mukhopahdyay and Vinay Kumar Midha	9781845696276	2013
Auto Instructional Module	Data: Types, Categories & Methods of their Elicitation'	National Testing Service, Mysore	Vinay Kumar Midha		2013

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Principal Investigator	Research and Development	Development of needlepunched nonwoven blanket fabric	MHRD			15 lakhs	Completed	
Principal Investigator	Research and Development	Design of Instrument for Positive Thread Feeding in Lockstitch Sewing Machine	Department of Science and Technology	2015	2017	22.11 Lakhs	Completed	Dr A Mukhopadhyay
Co investigator	Research and development	Design of Impact Strength tester	DST			36 Lakh	On going	Dr A Mukhopadhyay
Co-Principal Investigator	R&D	Value Addition of Pushmina Guard Hair through Suitable Product Development	Khadi and Village Industries Commission	30.03.2022	29.03.2023	15 lakhs	Ongoing	

Events Organized :

Category	Type	Title	Venue	From	To	Designation
GIAN Summer Term Course	International	Medical Textiles and Tissue Engineering	NIT Jalandhar	20-07.2016	30-07-2016	Coordinator

Conference	International	Emerging Trends in Traditional and Technical Textiles	NIT Jalandhar (Supported by Ministry of Textiles)	11-04-2014	12-04-2014	Chairman/Coordinator
Seminar	National	Advances in Textile Machines and Processes	NIT Jalandhar	29-10-2014		Coordinator
Short Term Course	National	Garment Technology	NIT Jalandhar	10-06-2013	14-06-2013	Coordinator
Seminar	National	Nonwoven and Technical Textiles	NIT Jalandhar (Supported by Ministry of Textiles)	05-10-2012	06-10-2012	Coordinator
Symposium	National	Recent Advancements in Apparel Production and Quality	NIT Jalandhar	29.03.2017	30.03.2017	Coordinator
Conference	International	Emerging Trends in Traditional and Technical Textiles	NIT, Jalandhar	01-11-2019	03-11-2019	Chairman
Short Term Course	National	Medical Textile & Tissue Engineering	NIT, Jalandhar	07-11-2019	11-11-2019	Coordinator
Short Term Course	National	Clothing Comfort	NIT, Jalandhar	02-11-2019	06-11-2019	Coordinator
Workshop	National	Entrepreneurship and Skill Development	NIT, Jalandhar	03-05-2019	03-05-2019	Coordinator
GIAN course	International	Nonwoven Technology and Recent Developments	(online mode) Textile Technology NIT Jalandhar	20/06/2022	2/06/2022	

Professional Affiliations :

Designation	Organization
Life Member	Indian Society of Technical Education
Fellow	The Institution of Engineers, India
Editorial Board Member	Textile Research Journal
Member	The Textile Institute, Manchester

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Sushma Verma	Control of Soil Erosion by Coir and Jute Geomeshes	Awarded	2022	Dr A K Choudhary
Vaibhav Gupta	Studies on positive thread feeding in lockstitch sewing machine	Awarded	2022	Dr A Mukhopadhyay
Agyapreet	Thermophysiological Comfort characteristics of different types of fabrics for cold weather conditions	Awarded	2021	Dr A Mukhopadhyay
Ashish Gupta	Predicting seam strength using residual thread strength	Awarded	2021	Nil
N C Ray	Surface Degradation Behaviour of Injected Slub Yarn and Corresponding Fabric	Awarded	2017	Dr A Mukhopadhyay
Suresh Kumar S	Studies on Run-off Erosion Control using Rolled Erosion Control Products	Awarded	2017	Nil

Shubham Joshi	Investigation of durable antimicrobial finishes to chemically modified textile substrates using Trichloroacetic acid-Methylene Chloride solvent system for healthcare and hygiene applications.	Awarded	2015	Prof S Rajendran, University of Bolton, UK
Ankush Sharma	Studies on Needle heating during high speed industrial sewing	Submitted	2014	Nil

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Siddhi Vardhan Singh Rao	Development of flexible, light weight stab resistant composite from stf-multicomponent fabric and UHMWPE laminate	Completed	2022	
Amit Kumar	To prepare fabric assembly for extreme cold conditions and testing its characterisation	Awarded	2019	
Simaran Sharma	Functional finishing of cotton with graphene decorated AG- N doped titanium dioxide nanoparticles to produce self-cleaning and antimicrobial finishes	Awarded	2019	
Navpreet	Study on self-cleaning performance of fabric finished with silver doped titanium dioxide particles	Awarded	2018	
Ranjana	Study on seam strength testing on cylindrical surface	Awarded	2018	
Bharti Rao	Studies of antibacterial performance of different types of wound dressings	Awarded	2017	
Ajay Sharma	Multifunctional finishing of woven fabrics using TiO ₂ nanoparticles and doped N-TiO ₂ nanoparticles	Awarded	2017	
Sushma Verma	Effect of process parameters on changes in tensile properties of sewing threads	Awarded	2016	
Alpa Kumari	Studies on optical behavior of curtain fabrics	Awarded	2016	
Neeraj Gupta	Assessment of physical properties of cotton threads for use in reinforcement layer of drafting aprons	Awarded	2016	
Shubham Joshi	Influence of in situ parameters on serviceability of chemically treated jute geotextiles in unpaved roads	Awarded	2015	
Shailja Sharma	Modelling Sewing Thread Consumption for Lockstitch and 401 Chain stitch	Awarded	2015	
Neeraj Sharma	Influence of in situ parameters on serviceability of jute geotextiles in unpaved roads	Awarded	2014	
Shivkumar Hiremath	Optimisation of process parameters on Aqua splicing for core spun yarn using Taguchi Technique	Awarded	2014	
Srishta Sharma	Studies on the properties of bamboo fabrics for reusable surgical gowns	Awarded	2013	
Ankush Sharma	Performance of chemically modified jute geomesh for run-off erosion control in lower Himalayan regions	Awarded	2013	
Ravikant Vashisht	Studies on the properties of reusable surgical gowns	Awarded	2012	

Suresh Kumar	Structurally modified coir geomesh for run-off erosion control in lower Himalayan regions	Awarded	2012	
Arjun Dakuri	Studies on the properties of nonwovens surgical gowns	Awarded	2011	
Ramanpreet Kaur	Seam strength prediction using Residual Thread Strength	Awarded	2010	

Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
Development of device for measuring light transmittance		19.04.2016	Indian Patent Office	Applied
Breathable Filter Fabric for Reuseable Facemask		24/06/2020	Dr B R Ambedkar NIT Jalandhar	Applied
Inpatient Shifting Device and Method of Use	396695	12-05-2022/15-01-2016	The Patent Office, Government of India	Granted

Admin. Responsibilities :

Position Held	Organization	From	To
Chief Warden	NIT Jalandhar	8th Feb 2018	23rd Jan 2019
Coordinator, Water Management and Waste disposal & Horticulture	NIT Jalandhar	31.01.2015	23.01.2017
Coordinator, Horticulture and Housekeeping	NIT Jalandhar	01.09.2012	04.09.2014
Warden, Hostel No. 7 & 7E	NIT Jalandhar	07.03.2017	07.02.2018
President, Alumni Association	NIT Jalandhar	09.02.2015	till date
Warden, Hostel No. 5	NIT Jalandhar	2003	2005
Warden, Hostel No. 1	NIT Jalandhar	2006	2009
Head, Department of Textile Technology	Dr B R Ambedkar NIT Jalandhar	24th Jan 2019	4th February 2021
Chairman, Campus Security and Safety	Dr B R Ambedkar NIT Jalandhar	23.10.2018	March 2021
Dean Faculty Welfare	Dr B R Ambedkar NIT Jalandhar	5th February 2021	Till date

Award and Honours :

Title	Activity	Given by	Year
The President of India's Prize	For Research Paper published in the Journal	The Institution of Engineers (India)	2022
Best Teacher		Dr B R Ambedkar NIT Jalandhar	2019
The Institution Prize	Award for the paper published in Journal	The Institution of Engineers (India)	2018
Outstanding Presentation Award	International Conference at Manchester, UK	Textile Bioengineering and Informatics Society	2018
Dr Triguna Charan Sen Prize	Award for paper published in the journal	The Institution of Engineers (India)	2017