

## Profile Page



Name : Dr S K Sinha

Designation : Professor Hag

Department : Textile Technology

Qualification : Ph D (NIT, Jalandhar)  
M Tech (TITIT & S, Bhiwani)  
B Tech (DJFT at IJT, University of Calcutta)

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### **Research Interests :**

Staple Fibre Spinning, Comfort, Yarn Structural Mechanics, Nonwoven, Carpet Characterization.

### **Journal Publications :**

Year	Journal	Publication
2018	J. Inst. Eng. India Ser. E 99(2), 177-186.	Sujit Kumar Sinha, Madan Lal Regar & R Chattopadhyay, Fibre Distribution and Packing in Eli-Twist, SIRO and Ring Spun TFO Yarn.
2018	Indian Journal of Fibre and Textile Research	Sujit Kumar Sinha, Madan Lal Regar & R Chattopadhyay, Comparative assessment of Eli-Twist and TFO yarn.
2017	J. Inst. Eng. India Ser. E	M Datta Roy, R Chattopadhyay, and S K Sinha, Wicking Performance of Profiled Fibre Part B: Assessment of Fabric.
2017	J. Inst. Eng. India Ser. E	M Datta Roy, R Chattopadhyay, and S K Sinha, Wicking Performance of Profiled Fibre Part A: Assessment of Yarn.
2017	J. Inst. Eng. India Ser. E	Sujit Kumar Sinha, Payal Bansal, & Subhankar Maity, Tensile and Elastic Performance of Cotton/Lycra Core Spun Denim Yarn.
2016	A Springer Journal of Fibres and Polymers, Vol. 17(11), 1898-1907.	Sujit Kumar Sinha, Pawan Kumar & Subrata Ghosh, A Study on the Packing Density of Structurally Modified Ring Spun Yarn.
2016	A Springer Journal of Fibres and Polymers, Vol. 17(9), 1489-1496.	Pawan Kumar, S. K. Sinha & Subrata Ghosh, Estimation of Pore Size and Porosity of Modified Polyester/PVA Blended Spun Yarn.
2015	Journal of Fashion and Textiles (Springer), March, 1-17	Pawan Kumar, Sujit Kumar Sinha and Subarata Ghosh, Moisture Management Behaviour of Modified Polyester Wool Fabric
2015	J. Inst. Eng. India Ser. E	Navendu Sharma, Pawan Kumar, Dinesh Bhatia & Sujit Kumar Sinha, Moisture Management Behaviour of Knitted Fabric from Structurally Modified Ring and Vortex Spun Yarn.
2014	J. Inst. Eng. India Ser. E	P Jaswal and S K Sinha, The Empirical Modelling of Snarling in Staple Yarn.
2014	Int. J Fibre Text Res, 4(4), 62-70.	Dinesh Bhatia and S K Sinha, Comparative assessment & empirical modeling for aesthetic behavior of vortex & ring yarn knitted fabrics on laundering.

2014	Intl J Text Sciences, 3(3), 44-50.	Manas Datta Roy & Sujit Kumar Sinha, Performance of Wicking through Yarn and Fabric made from Polyester Fibres of Different Cross-sections.
2014	Slovene Journal for Textile and Clothing Technology, Design and Marketing (Tekstilec), December, issue 4, 266-272.	Pawan Kumar, Sujit Kumar Sinha and Subrata Ghosh, Elastic Performance Coefficient and Recovery of Modified Polyester/Polyvinyl Alcohol Ring Spun. Yarn
2013	JTATM, Vol 8, Issue 2	S K Sinha and Pawan Kumar, An Investigation of the Behaviour of Thin Places in Ring Spun Yarns
2013	Materials and Manufacturing Processes, 28: 1-10.	Sharanjit Singh, Vishal S Sharma, Anish Sachdeva & S K Sinha, Optimization and Analysis of Mechanical Properties for Selective Laser Sintered Polyamide Parts.
2011	Fibres and Polymers vol. 12 No 2, 268-274.	R Chattopadhyay and S K sinha. Studies on Structural Integrity of Polyester-Cotton Friction Spun Yarn by Cycling Extension Test.
2008	The Journal of The Textile Institute. 99. 111-118.	R. Chattopadhyay & S. K. Sinha. Effect of sheath fibre arrangement on tensile behaviour of Dref-3 polyester cotton yarn.
2007	AUTEX Research Journal, Vol. 7, No 1, 1-8.	R. Chattopadhyay & S. K. Sinha. A study on spinning limits and yarn properties with progressive change in yarn count in friction spinning.
2007	Melliand International. Volume 13. 39-43.	R Chattopadhyay & S K Sinha. Spinning limits and properties of DREF-3 yarns.
2006	Indian Journal of Fibre and Textile Research Vol 31, 286-292.	S. K. Sinha & R. Chattopadhyay, Influence of Sheath Structure on Twist and Diameter of Dref-3 Polyester Wool Friction Spun Yarn.
	Journal of Natural Fibers	Sujit Kumar Sinha, Payal Bansal, & Subhankar Maity, Elastic Recovery and Performance of Denim Fabric Prepared by Cotton/Lycra Core Spun Yarns.
	Indian Journal of Fibre and Textile Research	Sujit Kumar Sinha, Bhavna Choubisa & Madan Lal Regar, Elastic recovery properties of polyester-cotton blended Eli-Twist yarns.
	Indian Journal of Fibre and Textile Research	Sujit Kumar Sinha, Madan Lal Regar & R Chattopadhyay, Comparative assessment of Eli-Twist and Siro Yarn made from polyester and its blend with cotton.
	Research Journal of Textile and Apparel	Sujit Kumar Sinha, A Das & Ravi Jain, Structural Investigation of Spunlace Nonwoven.

## Conference Publications :

Year	Conference	Publication
2017	International conference on Textiles and Clothing, held at University of Calcutta, India.	S K Sinha and Madan Lal Regar, Performance Assessment of Eli-Twist Sewing Thread.
2016	16th AUTEX World Textile Conference, Ljubljana, Slovenia.	S K Sinha and Madan Lal Regar, Study of The Feasibility of Eli-Twist Sewing Thread.
2016	16th AUTEX World Textile Conference, Ljubljana, Slovenia.	S K Sinha and Ravi Kumar Jain, Studies on compressional characteristics of spunlace nonwoven.
2016	International conference on Redefining Textiles—Cutting Edge Technology of the Future, held at NIT- Jalandhar, India.	S K Sinha, S. Ghosh and Pawan Kumar, Effect of structural modification on packing density of ring yarn.
2016	International conference on Redefining Textiles—Cutting Edge Technology of the Future, held at NIT- Jalandhar, India.	S K Sinha, S. Ghosh and Pawan Kumar, Physical and mechanical behavior of modified polyester ring yarn
2016	International conference on Redefining Textiles—Cutting Edge Technology of the Future, held at NIT- Jalandhar, India.	S K Sinha and Madan Lal Regar, Comparative assessment of conventional and Eli-twist sewing thread.
2016	International conference on Redefining Textiles—Cutting Edge Technology of the Future, held at NIT- Jalandhar, India.	S K Sinha, A. Das and Ravi Kumar Jain, Studies on moisture management characteristics of Spunlace nonwoven.

2015	International Programme on Application of Nano-materials in Textiles, At Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Volume: 1.	Madan Lal Regar & S K Sinha, Use of Nanoparticle to Produce Self Cleaning Fabric.
2014	International conference on Technical Textiles and Nonwovens, held at IIT, Delhi, India.	S K Sinha and Madan Lal Regar, Eli-Twist Sewing Thread.
2014	International conference on Technical Textiles and Nonwovens, held at IIT, Delhi, India.	S K Sinha, S Ghosh & Pawan Kumar, Low stress Behaviour of Modified Ring yarn.
2014	International conference on Technical Textiles and Nonwovens, held at IIT, Delhi, India.	S K Sinha & Dinesh Bhatia. Empirical Modelling for Aesthetic Behaviour on Laundering of Ring and Vortex Yarn and Fabrics.
2014	International Conference on Emerging Trends in Traditional & Technical Textiles, held at NIT, Jalandhar.	S K Sinha, S Ghosh and Pawan Kumar, Modification of Wool Blended yarn for Improved Comfort.
2014	International Conference on Emerging Trends in Traditional & Technical Textiles, held at NIT, Jalandhar.	P Jaswal and S K Sinha, The Empirical Modelling of Snarling in Staple Yarn.
2014	International Conference on Emerging Trends in Traditional & Technical Textiles, held at NIT, Jalandhar.	Pawan Kumar, R K Jain and S K Sinha, Method of Analysis and Comparative Assessment of Yarn Packing Density.
2014	International Conference on Emerging Trends in Traditional & Technical Textiles, held at NIT, Jalandhar.	Dinesh Bhatia and S K Sinha, Comparative Assessment & Modelling for Aesthetics of Vortex & Ring Knitted Fabrics on Laundering.
2013	13th Autex World Textile Conference, Dresden, Germany.	Sujit Kumar Sinha & Pawan Kumar, An Investigation of the Behaviour of Thin Places in Ring Spun Yarns.
2011	International Congress of Innovative (ICONTEX2011), held at Istanbul- Turkey.	S K Sinha and R. Chattopadhyay, Influence of Annealing on Mechanical Properties of Polyester-Cotton Friction Spun Yarn.
2010	Autex 2010 World Textile Conference 21-23 June, Vilnius.	S K Sinha and Md Ali Khan, Twist and Tensile Behaviour of Layered Friction Spun Yarn.
2010	Autex 2010 World Textile Conference 21-23 June, Vilnius.	S K Sinha, M Datta Roy and Ramnik, Influence of Yarn Characteristics on Tearing Strength of Plain Woven Fabric.
2008	The 86th Textile Institute World Conference, Hong Kong.	S K Sinha and R. Chattopadhyay, Twist and Tensile Behaviour of Friction Spun Composite Yarn.
2007	International Conference on Futuristic Trends in Textiles , NIT Jalandhar, Punjab.	S K Sinha and R. Chattopadhyay, Influence of Annealing on Mechanical Properties of Polyester-Cotton Friction Spun Yarn.

### Professional Affiliations :

Designation	Organization
Professor in Textile Technology	NIT, Jalandhar

### PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Dinesh Bhatia	Study on thermos-physioloical characteristics of hand and machine spun porous wool rich yarn fabrics.	Completed	2021	

Madan Lal Regar	Structural Investigation of Eli Twist yarn.	Completed	2019	Dr R Chattopadhyay, IITD
Manas Datta Roy	Influence of fibre cross sectional geometry on mechanical and comfort behaviour of fabric.	Completed	2018	Dr R Chattopadhyay, IITD
Pawan Kumar	Influence of structural changes in yarn on moisture management behaviour of knitted fabric	Completed	2017	Dr S Ghosh
Ravi Kumar Jain	Studies on comfort characteristics of Spunlace nonwoven for apparel application.	In progress		Dr A Das, IITD

### **Admin. Responsibilities :**

<b>Position Held</b>	<b>Organization</b>	<b>From</b>	<b>To</b>
Dean Student Welfare	NIT, Jalandhar	May 2011	May 2013
Head of the Department	Department of Textile Technology, National Institute of Technology	24-02-2015	24-02-17
Dean Faculty Welfare	National Institute of Technology	24-02-2017	24-02-19
Dean Research and Consultancy	National Institute of Technology	24-02-2019	24-02-2021