

Bio-data

Name: **Dr. Jitendra Pratap Singh**
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Date of Birth: 01-01-1979



Administrative Background: Training and Placement Officer, Member of various committees, worked as In charge of Time-Table and Guest Faculties

Research Interest: Nonwoven and technical textiles, Terry fabrics, Fabric handle and comfort, Modeling and simulation of textile structures

Books Published:

1. J.P.Singh & B.K.Behera, Terry Fabrics, Textile Progress, The Textile Institute (In press), U. K.
2. J.P.Singh & Swadesh Verma, Terry fabric production- A delicate industrial practice, Elsevier Ltd. U.K. (In press)

Teaching & Research Experience: 10 Years (Assistant Professor at U.P. Textile Technology Institute (Formerly Govt. Central Textile Institute) Kanpur, U.P. (India)

Industrial Experience: One year in spinning dept. as Executive at G.P.I.L., Nalagarh, H.P.

One year in spinning & weaving industry (Section Head, Quality Assurance in Welspun India Ltd. Vapi).

Four years in weaving industry (Section Head, Quality Assurance Trident Home Textiles).

Member: Editorial Board, **Journal of Textile Science and Engineering**, OMIC Publication, U.S.A.

Educational Qualification:

1. **High School:** Passed in 1993 from U.P. Board, Allahabad with **First Division**.
2. **Intermediate:** Passed in 1995 from U.P. Board, Allahabad with **First Division**.
3. **B. Tech. (Textile Technology):** Passed in 1999 from Kanpur University (Institute: Government Central Textile Institute, Kanpur) with **First Division**.
4. **M. Tech. (Textile Technology):** Passed in 2001 from Mumbai University (Institute: Victoria Jubilee Technological Institute, Mumbai) with **First Division**.
5. **Ph.D.:** Textile technology, **Indian Institute of Technology Delhi (CGPA, 8.5/ 10)**.

Research Publications

1. **J.P.Singh**, B.K.Behera & M. Matsudaira, "Objective evaluation of terry fabric hand", *The Journal of the Textile Institute*, 105(5), 467-476. 2014.
2. B.K.Behera & **J.P.Singh**, "Investigation of factors contributing to absorbency behaviour of terry fabric", *Research Journal of Textile and Apparel*, Vol.18, No.3, 133-141, 2014.
3. B.K.Behera & **J.P.Singh**, "Objective evaluation of aesthetic characteristics of woven terry structures using image analysis techniques", *Fibres & Polymers*, 15(12), 2633-2643, 2014.
4. **J.P.Singh** & B.K.Behera, "Geometric modeling of woven terry fabric", *International Journal of Clothing science and Technology*, April, 2014.

5. **J.P.Singh** & B.K.Behera, “Compression behaviour of woven terry fabrics”, *The Journal of the Textile Institute*, August, 2014.
6. **J.P.Singh**, B.P.Dash & M.Ramamoorthy, “Improving coolness in clothing”, *Asian Textile Journal*, 45-53, May, 2011.
7. **J.P.Singh**, “Intelligent Textiles”, *Asian Textile Journal*, 67-71, Aug 2011.
8. Kalpana Singh & **J.P.Singh**, “Biological Pest Control in Cotton- A life Line”, *Asian Textile Journal* , 68-75, July, 2012.
9. Kalpana Singh & **J.P.Singh**, Fibre examination –The crucial evidence in forensic science, *Asian Textile Journal*, 75-79, July, 2013.
10. **J.P.Singh** & Kalpana Singh, Fibre examination in forensic science, Editorial in *Journal of textile science and engineering*, 3(2), 1-2, 2013.
11. **J.P. Singh**, Anuhbav G, Aprajita A, Himanshi S, Vandana J (2014) Digital Image Processing Techniques: A Versatile System for Textile Characterization. *J Textile Sci Engg*, Vol. 4(3), 2014.
12. **J.P. Singh** (2014) Nonwoven: A Versatile Fabric. *J Textile Sci Eng Vol 4(2)*, 2-4.
13. **J.P.Singh** & B.K. Behera, “Mathematical and FEM modelling of loop geometry” *Indian Journal of Fibre and Textile Research*, Jan, 2014.
14. **J.P.Singh** & B.K. Behera, “Performance of terry terry towel-a critical review-Part-I: Water absorbency” *Indian Journal of Fibre and Textile Research*, March, 2014.
15. **J.P.Singh** & B.K. Behera, “Effect of washing treatment on the performance deterioration in terry fabrics” *Indian Journal of Fibre and Textile Research*, Feb 2012.

International Conferences

1. **J.P.Singh** & B.K.Behera, “Compression behaviour of terry fabric”, *39th Textile Research Symposium*, Dec 2010, IITD, India.
2. **J.P.Singh** & B.K.Behera, “Objective evaluation of aesthetic characteristics of woven pile structures using image analysis techniques”, *Autex-2012*, June-2012, Zadar, Croatia.
3. **J.P.Singh** & B.K.Behera, “Mathematical & Finite Element Modelling of terry fabric loop geometry”, *STRUTEX- 2012*, Dec-2012.
4. **J.P.Singh** & B.K.Behera, “Compression behaviour of terry fabrics”, *Autex-2013*, May-2013, Dresden, Germany.
5. **J.P.Singh**, B.K.Behera & M. Matsudaira, “Objective hand evaluation of terry fabric”, *42nd Textile Research Symposium*, August, 2013, Mount Fuji, Japan.
6. **J.P.Singh**, R. Mishra and B.K.Behera, “Studies on compressibility of woven terry fabrics”, *TEXSCI-2013*, Librec, Czech Republic.
7. **J.P.Singh** & B.K.Behera, “Designing terry fabric for improved performance”, *International conference on Innovations in Textiles*, Bhuwneshwer, India, April, 2013.
8. **J.P.Singh**, S. Tripathi, B.P.Dash & B.K.Behera, Optimization of processing conditions for production of 3D woven composites, *5th world 3D conference*, 16-17 December, 2013, IIT Delhi, India.
9. **J.P.Singh**, B.K. Behera & M. Matsudaira, Objective evaluation of terry fabric, Indo-Czech international conference, KGCET, Coimbatore, 29-30 April, 2014.
10. **J.P.Singh** & Alok Kumar, Effect of fibre cross sectional shape on compression behaviour of polypropylene needle punched nonwoven, *International conference on Technical textiles and nonwovens*, 6-8 Nov, 2014, IIT Delhi, India.

National Seminar

1. **J.P. Singh**, R. Mishra and B.K. Behera, Weavability of non-conventional worsted warp yarns, Prospects and Retrospect of small ruminant and rabbit production, December 7-9, 2011.