

Curriculum-Vitae

Name- Dr. Shravan Kumar Gupta

Father's name-Late Sh. Satyendra Kumar Gupta

Date of birth-5thsep, 1979.

Permanent Address- Vill.+Post- Pattinarendrapur
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Working Address- Assistant Professor (Home Textile Technology)

Indian Institute of Carpet Technology

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Educational Profile-

- **Ph. D. – Carpet and Textile Technology**

From Dr. A. P. J. Abdul Kalam Technical University , Lucknow (U.P.) – title of thesis “Investigation on Durability of Handmade Woollen Carpets” in year 2018.

- **M. Tech – Textile Technology**

From the Technological Institute of Textile & Sciences, Bhiwani under M.D. University Rohtak (Haryana) with 74.42% marks in year 2007.

- **B. Tech - Textile Technology**

From Govt. Central Textile Institute Kanpur, under U.P. Technical University, Lucknow (U.P.) with 72.9% marks in Year 2004.

- **Intermediate –**

From Govt. inter college Allahabad, under U.P. Board Allahabad (U.P.) with 68.4% marks in year 1997.

- **High School –**

From Govt. inter college Allahabad, under U.P. Board Allahabad (U.P.) with 73.66% marks in year 1995.

Job Experience-

- Working as a **Assistant Professor (Home Textile Technology)** in **Indian Institute of Carpet Technology**, Bhadohi (U.P.) since 5th Aug. 2008.

- One year as a Lecturer (Textile Technology) in Panipat Institute of Textile and Engineering, Pattikalyana, Panipat (Haryana).
- One year as a **Shift officer** in spinning production deptt. at **Vardhman Polytex Ltd.** Bathinda, Punjab (A unit of Oswal Group).

Academic distinction-

1. Qualified Graduate Aptitude Test in Engineering (GATE) securing 93.10 percentile with an All India Rank 39 in 2004.
2. Qualified Ekikrit examination (U.P. Govt.) in 1993.

Journal Publications-

1. G K Tyagi, S Bhattacharya & S Gupta, Pretreatment dependence of mechanical and surface properties of cotton ring- and OE rotor-spun yarns, *Indian Journal of Fibres and Textile Research*, Vol. 34, March 2009, 20-25.
2. G K Tyagi & S K Gupta, Study on cotton ring- and OE rotor yarns characteristics: Part III – Effect of enzymatic wet processing on various characteristics, *Indian Journal of Fibres and Textile Research*, Vol. 34, March 2009, 41-46.
3. S. K. Gupta, K. K. Goswami & A. majumdar, Durability of handmade wool carpets: A review, *Journal of Natural Fibers*, 12:5, 2015, 399-418.
4. S. K. Gupta & K. K. Goswami, Modeling of abrasion resistance performance of Persian handmade wool carpets using artificial neural network, *Journal of the Institution of Engineers (India): Series E*, 96(2), 2015, 175-180.
5. S. K. Gupta, K. K. Goswami & A. majumdar, Investigation on durability of handmade woollen carpets, *Carpet-e-World International Journal*, October 2015, 45-48.
6. S. K. Gupta, K. K. Goswami and A. Majumdar, Modeling of Abrasion Resistance of Persian Handmade Wool Carpets using Response Surface Methodology, *Fibers and Polymers*, 2016, 17(4), 637-643.
7. S. K. Gupta, K. K. Goswami and A. Majumdar, Optimization of Durability of Persian Hand -Knotted Wool Carpets by Using Desirability Functions, *Textile research journal*, 2016, DOI: 10.1177/0040517516676056.
8. S. K. Gupta, A. Majumdar and K. K. Goswami, Compressional Behavior of Persian Hand Knotted Wool Carpets using Response Surface

Methodology, *Indian Journal of Fibre & Textile Research*, 2017, Vol. 42, 399-406.

9. R. K. Verma, S. K. Gupta and H. S. Mohapatra, Multiobjective Optimization in Quality Characteristics of Machine Made Tufted Carpet: Exploration of Utility Theory (UT) Based Approach, *International Journal of Industrial Engineering and Design*, 2017, 3(2), 8-15.
10. S. K. Gupta, K. K. Goswami and G. K. Singh, Application of Jute Pile Yarns in Hand-tufted Carpets, *Indian Journal of Natural Fibres*, Vol. 4, No. 1, July, 2017.
11. S. K. Gupta & K. K. Goswami, Cost-Benefit and Performance of Handmade Carpets Produced with Wool, Untreated and Chemical Treated Jute Pile Yarns, *Journal of the Institution of Engineers (India): Series E*, March 2018, <https://doi.org/10.1007/s40034-018-0114-7>.

Book Chapters Authored-

1. Chapter 3.3 “Woven Home Textiles: Designing, process and control measures”, Chapter 3.5 “Embellishment Processes” and Chapter 11 “Terminal Competencies” of book titled "Process Control in Manufacturing of Home Textiles" written by Prof. (Dr.) K. K. Goswami, Abhishek Publications, 2014.
2. Chapter 16 “Carpet Wear Performance” of book titled "Advances in Carpet Manufacture" edited by Prof. (Dr.) K. K. Goswami, Woodhead Publishing, 2017.

International Conferences-

- 1) Presented a paper entitled “Modelling of Compressional Behaviour of Tibetan Hand-knotted Wool Carpets using Response Surface Methodology” in international conference on Advance Materials, Textiles and Processes – 2017 at UPTTI, Kanpur scheduled on 14-15 October, 2017.
- 2) Presented a paper entitled “Thickness Loss of Handmade Carpets after Dynamic Loading” in international conference on Functional Textiles and Clothing 2018 at IIT, Delhi scheduled on 09-11 February, 2018.
- 3) Presented a paper entitled “Investigation on Durability of Tibetan Handmade Wool Carpets” in international conference on Advances in Textile Materials and Processes (ATMP) – 2018 at IIT Kanpur scheduled on 19-20 November, 2018.

- 4) Presented a paper entitled “Abrasion Behaviour Analysis of Tibetan Handmade Wool Carpets using Response Surface Methodology” in 6th international conference on Technical Textiles and Nonwovens (ICTN) – 2018 at IIT Delhi scheduled on 06-08 December, 2018.

National Conferences-

- 1) Presented a paper entitled “Optimization of Persian Hand- Knotted Wool Carpets Durability by Using Response Surface Methodology” in National Conference on Futuristics in Mechanical Engineering (FME-2019) at Madan Mohan Malaviya University of Technology scheduled on 28-29 March, 2019.

Membership of Societies-

1. Life membership of “The Indian Natural Fibre Society” (membership code – TINFS/LM-151/0314).
2. Life membership of “The Institution of Engineers (India)” (membership code – M-150225-5).

Training/Workshop-

1. Participated in two days transition training program on “Internal Auditor as per ISO/IEC 17025:2017” from 13/08/2018 to 14/08/2018 conducted by Global Institute of Quality Management (A Division of Lakshy Management Consultant Pvt. Ltd.) Navi Mumbai 400 614, Maharashtra at Park Inn by Radisson, Plot No. 6A, I.P.Extension, Patparganj, Delhi, 110092.
2. Participated in two days workshop on “Opportunities and Challenges for Industry-Institute Interface” from 23/07/2016 to 24/07/2016 at Indian Institute of Carpet Technology, Bhadohi - 221401.
3. Attended the short-term course on “Modelling and decision making techniques in engineering and management” organized by department of textile technology, Indian Institute of Technology, Delhi from 19 to 21 March, 2015.
4. Participated in the summer faculty research fellow programme – 2014 at Indian Institute of Technology, Delhi from 02/06/2014 to 14/07/2014.

5. Completed course on “Laboratory quality management & internal audit” as per ISO/IEC 17025:2005 organized by Centre for electronics test engineering, Bangalore at 4M Techno, Gurgaon from 02 April to 05 April 2014.
6. Attended one day seminar on “Mechanics of textile structure” organized by department of textile technology, Indian Institute of Technology, Delhi on 14 December 2013.
7. Participated in National Workshop on “Optimization Techniques & Their Applications organized by the Department of Mathematics, Motilal Nehru National Institute of Technology, Allahabad during 05-11 June, 2013.
8. Completed a short term programme on “Multimedia Tools & Instructional, Material Development” conducted by the Educational Television Department/Centre from 15/02/2010 to 19/02/2010 at NITTTR, Chandigarh.
9. Participated in the workshop on “Planning imp. audit lab quality system as per ISO/IEC 17025-2005” from 15/07/2009 to 17/07/2009 conducted by Centre for electronics test engineering , STQC Directorate, Department of Information Technology, Ministry of Communications & Information Technology, Noida-201305.
10. Seven week (July- Aug 2003) industrial training at the Industrial site of Auro Spinning Mills (A unit of Vardhman Spg. & General Mills Ltd.), Sai road, Baddi., Distt. Solan (H.P.) in spinning. (During B. Tech III year)

Projects -

1. As a project coordinator in project design and technical development workshop on “carpet embroidery” sponsored by O/o DC (HC), New Delhi, 2017-18, Rs. 4.30 Lakhs.
2. As a project coordinator in project craft awareness programme on “jute yarns in handmade carpets for carpet craft” sponsored by O/o DC (HC), New Delhi, 2016-17, Rs. 1.00 Lakh.
3. As a project coordinator in project workshop/seminar on “carpet embroidery for youth” under research and development scheme sponsored by O/o DC (HC), New Delhi, 2016-17, Rs. 4.46 Lakhs.
4. As a project coordinator in project titled “Application of jute materials in handmade carpets” sponsored by O/o DC (HC), New Delhi, 2015-17, Rs. 5.00 Lakhs.
5. As a project coordinator in project titled “Promotion of handmade carpet through improved and predictable wear performance of handmade woolen

carpets” sponsored by O/o DC (HC), New Delhi, 2014-16, Rs. 5.00 Lakhs.

6. As a project coordinator in project titled “Integrated Design and Technical Development in Home Textile fabrics” sponsored by O/o DC (HC), New Delhi, 2009-10, Rs. 5.15 Lakhs.
7. Response of cotton ring- and OE-rotor spun yarn in relation to chemical treatments. (During M. Tech)
8. Effect of pick density on the various physical properties of worsted fabric. (During B. Tech)

Reviewer of Referred Journals-

- 1) Textile Research Journal
- 2) Journal of the Institution of Engineers (India): Series E
- 3) Journal of Industrial Textile
- 4) Indian Journal of Fibre and Textile Research