



WOOL RESEARCH ASSOCIATION

(Linked to Ministry of Textiles, Govt. of India)

P. O. Sandoz Baug, Kolshet Road, Thane- 400607 (Maharashtra) India

Website: www.wraindia.com

Job Title: Senior Scientist – Textile Technology

Location: Thane, Mumbai

Department: Pilot Plant (Incubation Center – COE Sportech)

Job Summary:

We are seeking a highly skilled and innovative **Senior Scientist in Textile Technology** to lead and contribute to research and development projects focused on advancing textile materials, processing methods, and product performance along with ability to work in the Incubation Center – COE Sportech.

Key Responsibilities:

- To execute & formulate R&D projects in textile materials, fiber science, fabric formation, and textile finishing.
- Conduct experimental design, lab-scale and pilot-scale trials, and data analysis to validate concepts.
- Collaborate with cross-functional teams including product development, manufacturing, quality assurance, and marketing.
- Author technical reports, research publications, and patent filings.
- Evaluate the performance of new textiles for properties such as strength, durability, breathability, thermal insulation, moisture management, etc.
- Develop and optimize processes involving weaving, knitting, nonwovens, dyeing, coating, lamination, and finishing technologies.
- Stay abreast of industry trends, academic research, and emerging technologies in sustainable and smart textiles.
- Ability to work in the Incubation Center – COE Sportech (Product Development).
- Mentor junior scientists and technicians and provide technical guidance to the team.

Qualifications:

- At least Master's degree in Textile Technology, Textile Engineering or related field.



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- 2+ years (Ph.D.) or 5+ years (Master's) of industrial or academic R&D experience in textile science Technical Textiles/ Wool Industry.
- Deep understanding of fiber chemistry, yarn and fabric manufacturing, and textile finishing technologies.
- Hands-on experience with machinery handling & Product Development.
- Demonstrated ability to manage complex R&D projects and deliver results.
- Excellent problem-solving, communication, and collaboration skills.
- Strong publication or patent record is a plus.

Preferred Expertise Areas:

- Technical textiles (Sportech, medical, automotive, protective, aerospace)
- Sustainable textiles and circular economy
- Smart textiles and wearable electronics
- Biopolymers and bio-based fibers
- Textile coatings and surface engineering

Interested candidate please share cv on ganeshk@wraindia.com