

**Dr. Vinod Kadam**  
**Senior Scientist,**  
**Textile Manufacturing & Textile Chemistry Division,**  
**ICAR-Central Sheep & Wool Research Institute,**  
**Tonk, Rajasthan**

Dr. Vinod Kadam, a Senior Scientist at ICAR-Central Sheep and Wool Research Institute in India, brings 17 years of expertise in textile manufacturing and chemistry. With a Bachelor's in Textile Engineering and a Master's from Mumbai University, he pursued his Ph.D. on a prestigious RMIT International Scholarship, at RMIT University, Australia. His research focuses on multifunctional air filtration for respiratory protection using electrospun nanofibre membranes. He has made significant contributions to the development of sustainable textiles, particularly in biopolymer processing and functional applications, green chemistry, and nanotechnology.



Pioneering research in 2012 on coarse wool for agricultural textiles, he demonstrated its potential for diversified industrial products, resulting in four patents. Dr. Kadam actively contributes to standard development for wool products, serving on committees like the Bureau of Indian Standards (BIS). He is affiliated with scientific societies like the Asian Polymer Association and the Institution of Engineers (India).

Dr. Kadam's expertise extends to the manufacturing, processing, and characterization of fibre-reinforced composites, as well as their acoustic properties. His research interests also include natural fibre-based agro-textiles and material characterization techniques such as SEM, EDX, and FTIR. With a rich professional experience spanning various scientific positions and research projects, Dr. Kadam has published extensively in reputed journals, authored several book chapters, and delivered keynote addresses at scientific conferences.

Recognized internationally and nationally, he has received awards such as the Young Scientist Award from NESAI, and Outstanding Engineering Services to Society Award from the Institution of Engineers, and the Best Paper award at an international conference in Italy. Passionate about translating research into practical applications, he also leads an agri-business incubation project at CSWRI guiding young entrepreneurs in sheep wool enterprises. At present, Dr. Vinod is working on keratin nanofibres for biomedical applications besides handling three other research projects.

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