

## Dr. Sanjay Singh

Name : Dr. Sanjay Singh  
Current Affiliation : School of Materials Science & Technology, Indian Institute of Technology (BHU), Varanasi, India  
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### Research Interests :

- Heusler compounds & magnetic shape-memory alloys
- Spintronics, magnetism, multiferroic & caloric materials
- Topological and quantum materials, skyrmions

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Brief CV :

Dr. Sanjay Singh obtained his Ph.D. in 2012 from UGC-DAE CSR, Indore, where he focused on magnetostructural coupling and phase transitions in functional materials. He pursued postdoctoral research in Japan, India, and Germany, including a prestigious Humboldt Fellowship at University of Duisburg–Essen and Max-Planck Institute. In 2016, he joined the School of Materials Science & Technology at IIT (BHU), Varanasi, where he is now an Associate Professor. Over the years, he has built an active research group investigating advanced functional materials for spintronics, energy applications, and topological phenomena. He has authored over 60 peer-reviewed publications, supervised several graduate students, and collaborates widely with researchers in India, Germany, and Japan. He is also a recipient of numerous awards including the INSA Young Scientist Medal, Ramanujan Fellowship, Humboldt Fellowship, INSPIRE Faculty Award, and membership in the Indian National Young Academy of Sciences.

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