

2018 Awardee



Outstanding Alumnus Award of College of Home Science

Dr. Deepti Bahl Gupta

Dr. Deepti Bahl Gupta, ID No. 11116, Batch 1980 is a Professor (Textile Chemistry) and Associate Dean (Infrastructure) at Indian Institute of Technology Delhi. Dr. Deepti completed her Ph.D. from the department of Textile Technology at IIT Delhi in 1995 and joined the department as an Assistant Professor in 1997. She was the first-ever person with a home science background to join a core department at IIT Delhi on a faculty position. Prior to taking up assignment at IIT Delhi, she worked for two years with TIT&S Bhiwani as Assistant Professor (Garment Technology) and was a visiting scientist at CIMAP – a CSIR lab in Lucknow. She also worked as Advisor, Natural Dyes Division with Alps Industries Ltd., Ghaziabad.

Dr. Deepti has worked extensively in development of technology for use of eco-friendly materials for value added finishes for textiles. She has published over 50 papers, two book and three conference proceedings in the area. Technology developed by her has been transferred to two organizations. She has organized 3 conferences and 5 industry workshops in this area alone.

In the last 3 years she has been working in the area of translational health care, having designed and developed three products in collaboration with AIIMS New Delhi. The Kangaroo Mother Care assistive device developed by her team for protection of pre-term babies has been patented and is in the process of being commercialized. A weighted compression jacket developed for rehabilitation of autistic kids has just completed clinical trials and moved to next stage. A Physio gaming glove is under development for providing therapy to children with cerebral palsy. A large project is underway for development of low cost affordable sanitary napkins from agro bio mass.

Professor Gupta is the first ever woman faculty member to occupy the position of President BRCA (the premier student activity board of IIT Delhi) and Associate Dean (Infrastructure) in the 60 years history of IIT Delhi. As Associate Dean, she is leading the initiatives of ‘zero solid waste’ and ‘bio remediation of waste water’ at IIT Delhi.

Professor Gupta has been a member expert of the Project Approval Committee of DST, Member of Research Advisory Committee of Central Silk Board, Bangalore for two terms, UGC expert for accreditation of technical universities, besides being on various committees of AICTE, AEPC, IGNOU, Ed-CIL and Staff Selection Commission.