

## RATI KANTA MALIK

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INDIAN INSTITUTE OF CARPET TECHNOLOGY, Bhadohi (U.P., India)  
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Associate Professor

**Education : PhD (AKTU), M. Tech(IIT Delhi), B.Tech (Calcutta University)**

**Teaching Experience :** 24 years as teaching experience in Indian Institute of Carpet Technology, Bhadohi,. Presently working as Associate Professor.

**Research Areas:** Sustainable chemical processing of textiles and carpets, Nano finishes, Ecofriendly processing, Functional finishes, colour matching computer (Textiles)

**Teaching responsibility of Subjects :** Textile Chemistry-I, Textile Chemistry-II, Chemical processing of Carpets, Chemical Technology of Carpets and Textiles, Fibre Science & Emerging Technology.

**Other Professional experience:**

- Technical Manager of NABL accredited Textile / Carpet Testing laboratory laboratory ( ISO 17025) for 19 years.
- Consultancy services and conducting industrial/Government projects.
- Running short term training programmes (Carpet Yarn Dyeing 4 months course)
- Recognized Internal Auditor, as per ISO17025:2005

**Projects completed/training programmes conducted**

- Common facility centre of carpet processing, Badaun(U.P)
- CFC at carpet City, Bhadohi under ASIDE scheme
- A project, 'Feasibility of Jute in Carpet' of National centre for jute diversification has been completed.
- Project on Survey and standardization of Carpet Yarn Dyeing
- Two Training programmes to supervisors of carpet industry were conducted at Srinagar, J& K
- Training programme to supervisors of carpet industry conducted at Bhadohi (U.P.)
- Improvement of re-dyeing % in Bholanath International Ltd., Khamaria.
- Assistance to BIS standard preparation on carpet
- Assistance to KALEEN MARK project

**Industrial experience:** Total Industrial Experience nine and half years.

**Lecture delivered in ATAL FDP of AICTE**

Topic -**Eco-friendly processing methods in wool**

Date and Time -4th June 2021

1. West Wing Germany Lecture: **General Production Flow in Indian Carpet Industry on 9<sup>th</sup>December 2021**
2. **Sustainable rugs Organic wool, recycled cotton, Recycled polyester as pile yarn on 10<sup>th</sup>December 2021**

**4 Participation to programmes:**

- Participated in workshop of ‘Natural Dyes on Carpet Wool’ in IIT, Delhi in Nov 2002.
- Participated in Workshop of ‘Australia wool training in India’ organized by IWS in New Delhi (Dec 2002).
- Participated in Training programme of ‘Quality of Service and Data analysis’ of ISO 9001:2000 implementation in IICT organized by Textile Committee, Mumbai. (September 2004)
- Participated in Training programme of ‘Internal Audit’ of ISO 9001:2000 implementation in IICT organized by Textile Committee, Mumbai (April 2005).
- Participated in workshop of ‘ Excellence In Dyeing And Finishing Of Wool’ organized by The Woolmark Company in New Delhi (June 2005).
- Training on implementation of ISO 17025:2005 in testing laboratory at IICT, Bhadohi conducted by Textile Committee, Mumbai.
- Training on measurement Uncertainty (Electrotech and mechanical parameters) for laboratories at IIQM, Jaipur(2007).
- Presented paper in 3<sup>rd</sup> Bangalore NanoGlobal in December 2010.
- 4 day Training on implementation of ISO 17025:2017 in testing laboratory at New Delhi.

**Papers published: Six**

1. Goswami KK and Malik RK, Asian Dyer ,Vol7, No 4, Aug-Sept 2010, Chemical Processing of Handmade Carpets, pp 46-50
2. Goswami KK and Malik RK, Wool Technology, Chemical Finishing of Woolen Carpet –in Retrospect and Prospect, Publisher CSWRI, pp 165-170
3. Malik RK, Goswami KK, IJFTR, 43,June 2018, Development of brightness on Handmade woolen carpets,pp209-216

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