

Bio-data



Name Mukesh Kumar Singh
Date of birth 15-06-1970
Date of joining 16-09-1999
Position holds Director 14.12.2017 to 09.04.2021
Position holds (at present) Professor and Dean of Academics

1. Qualifications

1. Ph.D from IIT Delhi on “Hand behaviour of multifilament woven polyester fabrics” under guidance of Prof. B . K. Behera, 2010
2. M.Tech (Textile Technology) from CSJM University Kanpur, 1999
3. B.Tech (Textile Technology) from Kanpur University Kanpur, 1995

2. Employment Record (Industrial, Research and Academic)

Organization/Institute	Position held	Period		Experience in years
		From	To	
UPTTI	Director	14.12. 2017	09.04.2021	3.3
UPTTI	Professor	Sept. 2015	Till date	06
UPTTI	Associate Professor	Spet 2012	Sept. 2015	03
UPTTI	Assistant Professor	Spet 2009	Sept, 2012	05
UPTTI(formerly GCTI), Kanpur	Senior Lecturer weaving	Sept. 2004	Sept, 2009	05
GCTI, Kanpur	Lecturer Weaving	Sept. 16, 1999	Sept. 16, 2004	01
Pasupati Spg and Wvg Mills, Rewari	Spinning assistant	June 1992 Sept. 1995	August 1993 Sept. 1996	01
Total				23

3. Publications

3.1 International Journals

1. Smart Textiles- the reality on floor *Asian Text. J* May 2004 p33-42, M.K. Singh
2. The State of –art Smart Textiles *Pakistan Text. J* , Aug, 2004, p 1-11 M.K. Singh
3. Sun Protective Clothing *Asian Text. J* Jan/Feb, 2005, 91-97 M.K.Singh
4. Baby Clothing: Different safety aspects, *Ind. Tex. J* June 2006, Abha Bhargava, M.K.Singh
4. Breathable fabrics: Various aspects *Textile Asia*, Sept/Oct, 2007, 38-45 B.K. Behera, M.K. Singh
5. Phase Change Materials *Asian Text. J* Vol. 17(8), August 2008, p 45-50 , Abha Bhargava, M.K.Singh

6. Scaffolds for Tissue Engineering *Asian Textile Journal*, October 2009, p 58-62, Mukesh Kumar Singh, P Kumar, B.K. Behera
7. Photovoltaic textiles *Asian Textile Journal* January 2010, 24-27 Mukesh Kumar Singh, Abha Bhargava
8. Enhancing the value of Linen Fabric with resist printing using vat dyes and different resisting agents *Colourage* July 2010, p65-68, Meenaxi Tiwari, Archana Singh and M K Singh
9. Cosmetotextiles: State of Art Textiles and Fibres in Eastern Europe Vol 19 No 4 4(87), 2011, 27-33 Mukesh Kumar Singh V K Varun and B K Behera (SCI Indexed)
10. Textiles for Biomonitoring: Various Aspects *Asian Textile Journal* March 2012, 52-56 Mukesh Kumar Singh, Annika Singh, V K Malhotra
11. A review on designing viral barrier fabrics with monolithic films *Int. J of Clothing Science and Technology*, Vol. 24 Iss: 2/3, 2012, pp.181 – 194, Mukesh Kumar Singh, Annika Singh (SCI)
12. Ultraviolet Protection by Fabric Engineering , *Journal of Textiles*, Volume 2013 (2013), available on <http://www.hindawi.com/journals/textiles/2013/579129/> Mukesh Kumar Singh, Annika Singh
13. Effect of various ring yarns on fabric comfort, M K Singh, Akansha Nigam, *Journal of Textiles* 2013, ID 206240,7
14. Role of filament cross-section in properties of PET multifilament yarn and fabric. Part I: Effect of fibre cross-sectional shape on transmission behavior of fabrics, Mukesh Kumar Singh, B K Behera, *J of Text. Inst.* 105(9) 2014, 895-904 (SCI)
15. Role of filament cross-section in properties of PET multifilament yarn and fabric. Part II: effect of fibre cross-sectional shapes on fabric hand, Mukesh Kumar Singh, B K Behera *Journal of Textile Institute*, Published online on May 22, Vol 105 (4), 2014, 365-376 (SCI)
16. Inherent Flame Retardant polyester fibre using organophosphorus compounds as dope additives *J of Polymer and Textile Engineering*, Vol 2 No. 2 , 2015, 39-47 Mukesh Kumar Singh
17. Sericin-A Unique Biomaterial *J of Polymer and Textile Engineering*, Vol 2 No. 3 2015, 29-35
18. Development of sanitary napkin by flax carding waste as absorbent core with herbal and antimicrobial efficiency, Sarika Mishra, Ritu Pandey and Mukesh Kumar Singh *Int. J of Sci. & Envi*, 5(2), 2016, 404-411
19. Effect of residual extensibility of polyester filament yarn on low-stress mechanical properties of fabric, Mukesh Kumar Singh and B K Behera *Ind J of Fib and Text. Res.* 43, March 2018, 53-58 (SCI)
20. Influence of Graphene Oxide on Mechanical and Hydrophilic Properties of Epoxy/Banana Fiber Composites, Preetam S. Bharadiya, Mukesh K. Singh & Satyendra Mishra *JOM The Journal of The Minerals, Metals & Materials Society*, Nov 2018, (SCI)
21. Effect of Filament Configuration on Handle and Transmission Properties of Polyester Multifilament Fabrics, Mukesh Kumar Singh and B K Behera, *J of Inst. of Eng. Series E*, Nov, 2020, 1-12 (Scopus)
22. Development of Glimepiride Loaded Sustained Release Microparticles Using Tubular Microreactor, Jitendra Naik^{1,*}, Rutuja Deshmukh¹ , Rahul Rajput¹ , Satyendra Mishra¹ and Mukesh Kumar Singh, *Micro and Nanosystems*, 2020, 12, 00-00, 1-9 (Scopus)

23. Optimization of sodium lignosulfonate treatment on nylon fabric using Box–Behnken response surface design for UV protection, AKS Gangwar, D B Shakyawar, Mukesh Kumar Singh, Prashant Vishnoi, AUTEK Res. J (2021) **SCI (Accepted)**
24. Effect of fibre cross-sectional shape on bending behaviour of yarns and fabrics; part I, Mukesh Kumar Singh and B K Behera Published online on May 5,2021 The Journal of The Textile Institute, March 2021, DOI: [10.1080/00405000.2021.1906488](https://doi.org/10.1080/00405000.2021.1906488) **SCI Indexed**
25. A Study on Comparative Hand Behaviour of Fabrics Produced from Different Natural and Man-made Fibers, Mukesh Kumar Singh, Journal of Fashion Technology & Textile Engineering, 9(4), 2021, 1-6 (**Scopus**)
26. The effect of denier per filament (DPF) on low-stress mechanical and transmission behaviour of polyester filament fabrics. The Journal of The Textile Institute. May, 2021, <https://doi.org/10.1080/00405000.2021.1933807> **SCI (Indexed)**
27. Sodium lignosulfonate: an industrial bio-waste for the coloration and UV protective finish for nylon fabric. Arun Kumar Singh Gangwar, Mukesh Kumar Singh, Prashant Vishnoi, Subhankar Maity. Fibres and Textiles in Eastern Europe, Accepted, 2021, **SCI (Indexed)**

3.2 National Journal/ Magazines

1. 21st Century with Deodorant Fabrics *Man Made Text. In Ind.* July,2002 M.K. Singh, p 279-285
2. Fashion forecasting a systematic approach “*Textile Magazine*” May 2002, M.K. Singh
3. Banarasi Saree Manufacturing Textile *Magazine*, June 2001
4. Microencapsulation of phase change materials Textile Review, May, 2012
Shyam Barhanpurkar, **Mukesh Singh**, Mr . Tanveer Malik, Ayush Paharia, Vineet Singh
5. Innovative Fibres of Textile World “Textile Value Chain” Page 10-12, 2012, ISSN No 2278-8972

4. Books/ Chapters written in International Level Books

Books

1. Industrial practices in Weaving Preparatory, WoodHead Publications, Published 2014
2. Engineered Fabrics, InTech Publication 2019 ISBN 978-1-78985-008-6
3. वस्त्र रेशे :उत्पादन, विशेषतायें एवं उपयोग (Under Publication, Abhishek Publications, Chandigarh) 2021
4. Characterization of Polymers and Fibres, Elsevier Publications & Woodhead Publications, Cambridge USA , 2021

Chapters

- ❖ **Photovoltaic Textiles for smart applications (Chapter No. 3)** Solar Cells – New Aspects and Solutions (Published Online by InTech Publications), 2011, page 43-68
- ❖ **Cosmetotextiles: A new aspect of Technical Textiles (Chapter No 51)** Handbook of Cosmetic Science and Technology Fourth Edition Ed. AO Barel, M Paye, and H I Maibach, CRC Press ASBN13:978-84214-564-7, Pub: April 2014 page 525-538
- ❖ **Introductory Chapter: Engineered Fabrics, Engineered Fabrics** Ed. Mukesh Kumar Singh, Print ISBN 978-1-78985-007-9
- ❖ **Textile Functionalization- A review of Materials, Processes, and Assessment: Mukesh Kumar Singh** , Textiles for Advanced Applications, Ed. Dr Bipin Kumar, InTech Publications. 2021; 98-148

5. Papers Communicated for Publication in International Journals

- ❖ Effect of dyeing stages of fibers on low-stress mechanical properties of polyester woven fabrics, Mukesh Kumar Singh and B K Behera J of Material Science
- ❖ Development of Herbal Nanogel based Antimicrobial Cotton Dressings. Deeksha Mishra, Chetna Verma, Bhuvnesh Gupta, Annika Singh, Mukesh Kumar Singh, Journal of Biomacromolecules
- ❖ Electromagnetic Shielding by 3D Orthogonal Woven Hybrid Fabrics in Ku Band Frequency Region. Mukesh Kumar Singh, Gaurav Saraswat, Samrat Mukhopadhyay, Himanshu Baskey, Journal of Industrial Textiles
- ❖ Effect of Enzymatic Process on Characteristics of Cottonized Industrial Hemp Fibre, Ashutosh Sahi, Mukesh Kumar Singh, Apurba Das , Journal of Natural Fibres

6. Papers presented in International Conferences/ Seminars/ Faculty Development Programs

1. Presented a paper on Inherent flame-retardant polyester fibres using organophosphorous as dope additive in POLYMER 99 An international symposium on Polymers Beyond AD 2000 Jan 12-15, 1999 at IIT Delhi, New Delhi
2. Technological developments in textiles AICTE sponsored QIP programme for faculty development organized by GCTI, Kanpur 24-12-2001 to 05-01-2002
3. Global industrial concepts in textiles AICTE sponsored QIP programme for faculty development organized by GCTI, Kanpur 10- 01-2005 to 21-01-2005
4. “Flame Retardancy in Inflatable” workshop organized by ADRDE, AGRA , Ministry of Defense, August 2003

5. Cold sizing –a state of art in engineering of sizing National Seminar on “Stress Management in Small Ruminant Production and Product Processing” January 29-31, 2010
6. Role of Fibre cross-sectional shape on multifilament PET yarn and Fabric Properties” 39th Textile Research Symposium, organized by IIT Delhi and Textile Machinery Society of Japan, December 16-18, 2010
7. Fibre Engineering for Engineered Fabric B. K. Behera, M. K. Singh
7th International Conference - TEXSCI 2010 September 6-8, Liberec, Czech Republic
8. Development of Inherent flame-retardant PET fibres by dope additives “Advances in Polymers fibres and fabrics” Mukesh Kumar Singh A national symposium organized by DMSRDE Kanpur, 26-28 December 2011
9. Development and Characterization of 3D Woven Fabrics Mukesh Kumar Singh, Ankush Kamble², Ashutosh Shukla and B K Behera Proceedings of the 5th World Conference on 3D Fabrics and Their Applications Delhi, India 16-17 December 2013
10. Structured fibre for Engineered fabric, B. K. Behera and M.K.Singh, 1st International conference on innovative textiles, CET-Bhubaneswar, 12-13 April, 2013
11. “Effect of filament cross-sectional shape on filament potential of woven polyester fabrics” in International Conference “Redefining Textiles: Cutting Edge Technology of the Future” April 8-10, 2016 at Dr Ambedkar National Institute of Technology, Jalandhar 144011India
12. Development of Cosmetotextiles by Aloe Vera, Tulsi and Calotropis Giganteas Cosmetic Ingredients, Mukesh Kumar Singh “ 44th Textile Research Symposium IIT Delhi, December 2016
13. Presented a paper in Textile Academia Conference Feb 15-18, 2016

7. Invited Talks

1. Delivered a talk on Seat Belt: A safety segment in automotive textiles in All India Seminar organized by The Institution of Engineers, at Kanpur 9th &10th Feb, 2008
2. Delivered a talk on “Effect of fibre fineness, filament configuration and filament residual extensibility on hand and transmission behaviour of polyester woven fabrics” in an International Seminar organized by Textile Association of India, Rajasthan Unit, Bhilwara, Rajasthan, 20-21 December 2008
3. Deliver a talk on Comfort: concept of comfort, comfort testing and related physical properties of textiles in Workshop organized by UPTTI, Kanpur 3-5 Feb,2009
4. Deliver a invited Talk on “Opportunities of Technical Textiles in Kanpur” in a seminar organized by Textile Committee Office Kanpur, Ministry of Textiles March 31, 2012
5. Deliver a invited Talk on “Cosmetotextiles” in a seminar organized by MCUP and Institution of Engineers India, KLC, June 3rd , 2012
6. Delivered a invited Talk in DMSRDE, Kanpur on Quality Aspects of Manmade fibre based fabrics” on June 13th, 2012

7. Delivered a talk on “High Performance Fibres” at Institution of Engineers Kanpur Feb 25, 2014
8. Talk on “Application of nano-technology in Textiles” and Fabric Comfort on November, 25, 2014 at Sir Hingibottom University Allahabad
9. Talk on “Hygiene and Cosmetotextiles” at Department of Clothing and Textiles, College of Home Science, GB Pant University of Agriculture and Technology, Pantnagar, Uttarakhand on 19.08.2015
10. Talk on “Hygiene and Cosmetotextiles” at DMSRDE Kanpur in Conference on Microscopy in Material Science and Biomimetic Technology Feb 26-28, 2015
11. Talk on “Standardization of Smart Textiles with Special Reference to Cosmetotextiles” in seminar titled “Standardization in Technical Textiles-Gateway to India” organized by Bureau of Indian Standards (BIS), New Delhi, 20.07.2015
12. Delivered a talk on “A new Era of Technical Textiles” in one day international conference on Innovation in Textiles “INNOTEX-15 held at JL Nehru Govt Eng College Sundernagar, Distt, Mandi HP
13. Talk on “Hygiene and Smart Textiles” on November 23, 2016 in CEP organized by DMSRDE Kanpur
14. Talk on “Quality Management in Fibre Production” in FDP entitled “Quality Management in Engineering Materials” at UPTTI Kanpur June 20-26, 2016
15. “Textiles for Today and Tomorrow” The Institution of Engineers India, 31.07.2016

8. Lectures delivered in Officers Training Courses at Ordnance Equipment Factories Institute of Learning (OFIL) Kanpur

- Comfort: Fabric evaluation by simple testing and Kawabata evaluation system for fabric properties at OFIL Kalpi Road Kanpur, Sept, 15, 2015
- High Tensile strength HDPE and other fibres (Spectra, Dyneema, Carbon and Kevlar) in services applications, Sept, 15, 2015
- Concept of Designing High Altitude Clothing, Sept. 15-17, 2016 at OFIL Kalpi Road Kanpur
- Fabric Comfort Properties and their testing by FAST and KES system, Sept. 15-17, 2016 at OFIL Kalpi Road Kanpur
- Fabric Comfort in Program titled “Clothing Technology for Group B” on June 6, 2017
- KES and FAST system for low stress mechanical properties of Fabric in Program titled “Clothing Technology for Group B” on June 6, 2017

9. Professional Trainings

S.No	Organisation	Period		Details of training
		From	To	
1.	GCTI, Kanpur for AICTE	05-06-2000	17-06-2000	Application of computers in Textiles
2.	GCTI, Kanpur for AICTE	03-07-2000	15-07-2000	Textiles in 21 ST Century
3.	TITI, Chandigarh for AICTE	16-07-2001	27-07-2001	Optical fibres and its applications
4.	GCTI, Kanpur for AICTE	24-12-2001	05-01-2002	Technological developments in textiles
5.	HBTI, Kanpur for AICTE	11-03-2002	24-03-2002	Eco-friendly chemical processing
6.	TITI, Chandigarh for AICTE	15-07-2002	22-07-2002	Induction programme for teaching technology
7.	GCTI, Kanpur for AICTE	10-01-2005	21-01-2005	Global industrial concepts in textiles
8.	NCUTE, IIT Delhi	16-03-2000	18-03-2000	Man Mad Fibres-II Solution spun fibres
9.	NCUTE, IIT Delhi	03-09-2001	05-09-2001	Dyeing and Printing with natural dyes
10.	NCUTE, IIT Delhi	15-10-1999	16-10-1999	Industrial practices in yarn winding
11.	NCUTE, IIT Delhi	08-10-2003	09-10-2003	Computer aided textile design
12.	NCUTE, IIT Delhi At GCTI, Kanpur	19-02-2000	20-02-2000	Spinning-Drawing, combing and roving
13.	NCUTE, IIT Delhi	30-06-2003	04-07-2003	Garment Technology
14.	NCUTE, IIT Delhi	04-09-2003	05-09-2003	CAD for Garment manufacturing
15.	NCUTE, IIT Delhi at KCT, Coimbatore	10-12-1999	11-12-1999	Yarn winding
16.	UPTTI, Kanpur	24-11-2008	26-11-2008	Eco-friendly wet processing in Textile Industry
17.	IIT Delhi	11.10.2008	23.10.2008	Medical Textiles
18.	HBTI Kanpur	23.03.2009	28.03.2009	Optimization Techniques for Engineers
19.	UPTTI, Kanpur	3-2-2009	5-3-2009	Textile of Adulterating Materials in Food Items
20.	HBTI, Kanpur	9-2-2009	15-2-2009	Advances in bioprocess & food processing technologies
21.	IIT Delhi	6-7-2009	10-07-2009	Emerging Trends in Fibres and Textiles
22.	IIT Delhi	14.12.2013	14.12.2013	Mechanics of Textile Structure
23.	NITTTR Chandigarh	23.09.2015	27.09.2015	Induction Training Programme Through ICT

24	IIT Delhi	19-03-2015	21-03-2015	Mathematical modeling for decision making
25	HBTI Kanpur	08-06-2015	09-06-2015	Faculty Interaction
26	NITTTR Chandigarh	16.08.2015	21.08.2015	Quality Management in Strategic Planning and Management of Tech. Inst.
26	UPTTI Kanpur	20.06.2016	25.06.2016	Engineering Materials
27	IIT Delhi	15.02.2016	18.02.2016	Textiles Structures and Structural Composites
28	NITTTR Kolkata	24-10-2016	28-10-2016	Polymer Composites and Nanocomposites
29	NITTTR Chandigarh	17.08.2016	21.08.2016	Strategic Planning and Management of Technical Institutions through ICT
30	UPTTI Kanpur	05.09.2016	09.09.2016	Research Methodology
31	UPTTI Kanpur	21-06-2017	27-06-2017	Yoga: A Holistic Approach to Health and Well Being
32	HBTU Kanpur	23.07.2018	27.07.2018	Chemical Engineering

10. Responsibilities

1. **Hostel Warden** since 2003-2021
2. Worked as **Member of Placement Cell** from 2011 to 2012
3. **Security officer** of the institute Since 2009 to till date
4. **Member of Cultural Committee of the Institute**
5. **Chief Editor “Fibre to Finish”** since 2012 and published 5 issues
6. Responsible to organize Literary activities of the institute (Specially on Hindi)
7. **Coordinator** Post graduate studies and IRD activities, UPTTI Kanpur
8. **Coordinator**, Innovation, and Incubation Centre UPTTI Kanpur
9. **Member Secretary**, Academic Council UPTTI Kanpur
10. **Head of the Department Man Made Fibre Technology**, UPTTI Kanpur
11. **Chief Editor “Journal of Fibre to Finish”** Published in 2017

11. Organizing Potential

- Organized Faculty Development Programme as Coordinator on “**Application of Nanotechnology in Textile Engineering**” held at UPTTI Kanpur and sponsored by Dr APJ Abdul Kalam Technical University, Lucknow on January 18-23, 2016
- Organized One day seminar on “Innovative Ideas for Product Development in Textiles” on August 6, 2016 at UPTTI Kanpur under Innovation and Incubation Centre UPTTI Kanpur under the aegis of AKTU Lucknow
- Organized one-week Faculty Development Program on “Modern Advances in Textiles” from October 23-28, 2017
- Organized one day workshop on “Moral Values and Ethics” on 24th May 2019 at UPTTI Kanpur as Program Director
- Organized one day workshop on “Effective Technical Communication” on 22nd August 2019
- Organized five-day workshop on “Web designing and Development” on 3-7 September, 2019

- Organized five-day workshop on “Entrepreneurship as a Career Option” on 23-28 September 2019
- Organized Industry-Academia Meet 2019 on November 30, 2019 in the Capacity of Program Director
- Co-chaired one Technical Session in International Conference on Advances in Textile Materials and Processes 2019 held on December 2-3, 2019
- Organized “Innovation day” on the birth anniversary of Dr APJ Abdul Kalam on 15th October, 2019
- Organized International Conference on “Advances in Textile Materials and Processes” 2019 on December 2-3, 2019 as conference Chairman
- Organized One week workshop on “Social Innovation & Entrepreneurship “ on December 26-31, 2019 as Program Director
- Organized One-week training program on “Digital Marketing” during Jan 20-25, 2020 as Program Director
- Served as Campus representative in TECHKRITI 20 on Feb 19-20, 2020
- Organized One-week Industrial Training on “Industrial Training-An Exposure to Industry” during Feb 18-22, 2020 as Program Director
- Chaired a technical session in National Conference Sustainable Growth in Textiles, SGT-2020 held on August 12-14, 2020
- Worked as Convenor in National Conference Sustainable Growth in Textiles, SGT-2020 held on August 12-14, 2020

11. Membership of profession bodies

1. Life member of **Institution of Engineers, India** Membership No. m-139326-4, Reg. No. 090200385220
2. Fellow Member of **Institution of Engineers, India** Membership No. m-125514-9, Reg. No. 090200385220
3. Life member of **Textile Association of India**, Membership No. F-1021
4. Patron member of OLD BOYS ASSOCIATION, GCTI, KANPUR (Reg.) Membership No. OBA/PM-169
5. Life member of Asian Polymer Association, Membership No. L-553
6. Life member of **Academy of Microscope Science & Technology**, Membership No. LM-0438, Reg No 304/2010

12. M.Tech Student Research Guidance

Name of student	Passing Year	Research Topic	Status
Vikas Rai	2012	High Performance Seat Cover fabrics for automobile	Completed
Sweta	2014	To study Fire and Heat Protective Properties of Various Fabrics	Completed
Preeti Trivedi	2015	Study of Comfort Stretch Fabric by Using Bi-component Continuous Filament Yarns	Completed
Ashok Kumar Srivastav	2015	Nano particle based Finishing	Completed
Anupam Gupta	2016	Development of Cosmetotextiles by Aloe Vera,	Completed

		Tulsi and Calotropis Giganteas Cosmetic Ingredients	
Anjani	2017	Lamination of Carbon Fabrics	Completed
Anubha Gupta	2018	Bacterial Cellulosic Bound dressings	Completed
Aishwarya Jaiswal	2019	Heating effect of Carbon Tape in Different Arrangements	Completed
Ashutosh Pandey	2019	Medical Applications of Bacterial Cellulose and based waste biomaterials	Completed
Puja Vishwakarma	2019	Development of 3D Woven Fabric by modifying Handloom	Completed
Rohini Verma	2020	Antimicrobial finishing of cotton fabric with essential oil	Completed
Parikshit Bajpai	2020	Pashmina Blended C	Completed
Yugansh Sethi	2020	Reduction of steel content in roof using coir/flex/polypropylene	Completed
Deeksha Mishra	2020	Antimicrobial Cotton Bandages by Using Curcumin and Silver based nanogels	Completed

13. Ph. D Student Research Guidance

Name of student	Research Topic	Status
Ashutoshu Sahi	Study of Industrial Hemp Fibre to be used for Product Development	In progress
Gaurav Saraswat	3D Orthogonal Electromagnetic Shielding Fabrics	In progress
AKS Gangwar	Study of Dhaincha Fibre to be used for Product Development	In progress
Pradeep Raut	Viral Barrier Fabrics based Medical Textiles	In progress
Ashutosh Pandey	Synthesis and application of bacterial cellulose from Textile Effluent	In progress
Pooja Vishwakarma	Three dimensional fabric based composites	In progress
Sanjeev Kumar Rajput	A study of Antimicrobial Finish on Cotton Fabric using Natural Sources	In progress

14. Examiner of various universities

1. Practical and theory examiner both at UG and PG level in CSA University of Agriculture and Technology, Kanpur
2. Thesis evaluator and theory examiner both at UG and PG level in GB Pant University of Agriculture and Technology, Pantnagar
3. Practical and theory examiner both at UG and PG level in UPTU, Lucknow
4. Practical and theory examiner both of board of Technical Education, Lucknow
5. Practical and theory examiner at Indian Institute of Carpet Technology, Bhadohi
6. Worked as Observer in National Importance Complete Examinations Like NEET, IIT-JEE and National Eligibility Test (NET) organized by Central Board of Secondary Education (CBSE) New Delhi since 2013 till date
7. Worked as Nodal Officer Kanpur Nagar UPSEE 2020

15. Reviewers of Journals

- Journal of The Institution of Engineers (India) Series E Springer Publications

- Indian J of Fibre and Textile Research , NISCAIR PUBLICATIONS
- Textile Research Journal, SAGE Publications
- Journal of Industrial Textiles, SAGE Publications
- Journal of Material Science, SCI Indexed Springer

16. Contribution

1. Chairman, Board of studies, Dr A PJ AKTU Lucknow, Designed and introduced Choice based Credit system for B Tech Courses (Textile Technology, Textile Chemistry, Textile and Carpet Technology)
2. Member, Academic Council AKTU Lucknow
3. Member of committee for curriculum development for diploma in Textile Design under Institute of Research development and Training (IRDT) under department of Technical Education, UP, Kanpur
4. Chairman of Proctorial Board of the Institute
5. Member of Department Purchase Committee (DPC) of HBTU Kanpur
6. Member of screening committee for the selection of faculty members of the institute, 2017-20
7. Chairman, Cultural Committee of the Institute
8. Chairman, Central Purchase Committee, UPTTI Kanpur
9. Patron “Fibre to Finish” Institute’s magazine Since 2017-20
10. Member, Research Development Council, AKTU, Lucknow (Textile Group)
11. Member Secretary Board of Governors, UPTTI Kanpur
12. Member Secretary Finance committee, UPTTI
13. Evaluated various AICTE Project Proposals for AICTE under AQIS 2019-20
14. Chairman, Academic Council, UP Textile Technology Institute, Kanpur, 2017-18
15. Chairman, Building Works Committee, UPTTI Kanpur, 20017-18

17. Unique Contribution

- Constituted Alumni Relation Cell (ARC) to assist the students for their Industrial Exposure

One day webinar on Stress Management and self-care during COVID-19 under Twinning Activity	26 June’ 2020
GeM Training, at UPTTI, Kanpur.	27 June’ 2020
One day online webinar on New Dimension of future textiles & career opportunities at UPTTI, Kanpur.	05 July’ 2020

Webinar on “Antimicrobial Technologies for Textiles at UPTTI, Kanpur.	18 July’ 2020
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<u>Sr. No.</u>	<u>Activities</u>	<u>Dates</u>
1	One day webinar on Stress Management and self-care during COVID-19 under Twinning Activity	26 June’ 2020
2	GeM Training, at UPTTI, Kanpur.	27 June’ 2020
3	One day online webinar on New Dimension of future textiles & career opportunities at UPTTI, Kanpur.	05 July’ 2020
4	Webinar on “Antimicrobial Technologies for Textiles at UPTTI, Kanpur.	18 July’ 2020
5	Sustainability and Diverse Aspects of Textiles Manufacturing	9 August, 2020
6	Entrepreneurship Navigating Challenges	6 th September 2020
7	Webinar on Synthetic Fibres-I Introduction of Polyester, Polycondensation Melt Spinning Process	13 th September 2020

Sr. No.	Name of Activity/Event	Name of Agency
1	Gate training	M/S Engineers Academy Jaipur
2	Gate Training	M/S. Thinkcell Learning Solutions Pvt. Ltd
3	Employability Skill Training	M/S. C.L. Educate
4	Employability Skill Training	M/S. Universal Education
5	Employability Test	M/S. Aspiring Mind Pvt. Ltd.
Sr. No.	Name of Activity/Event	Details
1	03 days Executive Leadership Program	"The Art of Living International Centre, Bangalore."
Sr. No.	Arranged Activities/Event for Faculty Members	Details
1	Workshop	ICAMTP-2019 At UPTTI
2	Workshop	STP Course Laser Science and Technology
3	Workshop	Good Governance Summit AICTE , New Delhi
4	Workshop	IIT Delhi , CRDT Lab
5	Workshop	Developing Graduates attribute skills in Students at UPTTI
6	Workshop	Outcome based Education COE
7	Workshop	Advance data analytics and mathematical modelling with MATLAB

8	Workshop	Productivity & Competitiveness for organizational excellence, Munnar Kerala
9	Workshop	Thermal Behaviour of Material Seminar, at UPTTI
10	Workshop	Entrepreneurship Summit 2018
11	Workshop	NBA Accreditation Workshop organized by SPIU at Lucknow
14	Workshop	Equity Action Plan, PEC Chandigarh (Neelu Kambo)
15	Workshop	Wool Science, Technology And Design Education Programme , Wool mark Mumbai (Supriyo Chakraborty, Dr. M.K.Singh (Director))
21	Workshop	GTTES-2019 International Exhibition Summit (ITME) in Mumbai (M.K.Singh & A.K.Patra)
22	Workshop	Art of Living
23	Workshop	Industrial Academic Meet- 2019 (E.A.P)
24	Workshop	Workshop on Women Empowerment
25	Workshop	C Programming Fast Track Training Workshop
26	Workshop	Communication & Personality Development
27	Workshop	One day workshop on "Moral Values & Ethics
28	Workshop	One Day Workshop "Gender Sensitization"
29	Workshop	Effective Technical Communication
30	Workshop	Web designing & Development (EAP)
31	Workshop	Intellectual Property Rights Management, Ordinance Factory
32	Workshop	Web Designing & Development (EAP)
33	Workshop	Intellectual Property Rights Management, Ordinance Factory
34	Workshop	India Science festival 2020, IISER Pune
35	Workshop	Summer Training Programme "Advance Pedagogy & Digital Tool
36	Workshop	Induction Programme in Bangalore
37	Workshop	ARIIA 2020 and IIC 2.0 Orientation, GARTEX Tex-process India, At New Delhi
38	Workshop	Academic Plan Enhancing Skills & Placement
39	Workshop	Advance Materials Characterization Techniques "IIT Hyderabad"
40	Workshop	TANTU , New Delhi
41	Workshop	Workshop on EMP at Lucknow
42	Workshop	MMMUT Gorakhpur
43	Workshop	Short term training program
44	Workshop	LIS Professionals" (Theme – Enhancing Library and information Services for Teaching, Learning and Research) IIT, Roorkee , MGCL
45	Workshop	3 days Workshop on Examination, Hubli Karnataka

46	Workshop	India Science festival 2020, IISER Pune	
47	Workshop	Gender Sensitization & Woman Empowerment and Problem Based & Project Based Learning in Lucknow	
48	Workshop	Collaborative Research, Orientation Workshop in New Delhi	
49	Workshop	Meeting for Twinning Workshop at Lucknow	
50	Workshop	05 Days Workshop on Instrumentation (Under Twinning/EAP) Jalgaon	
51	Workshop	05 Days Workshop on Instrumentation (Under Twinning/EAP) Jalgaon	
52	Workshop	In Institute- Industry Readiness program on “Interpersonal Effectiveness & Team Building	
53	Workshop	Synthesis & Characterization of polymer & Fibrous Materials	
54	Workshop	Production of synthetic fibre: Fundamentals and advances	
55	Workshop	Advances in Knitting Technology In UPTTI, KANPUR	
56	Workshop	NBA Accreditation at Lucknow	
S. No	Expert Lectures	Details	Date
1	Expert Lecture	Dynamics of sewing Threads (Expert Lac.) at UPTTI	20-01-2018
2	Expert Lecture	Global Entrepreneurship summit 2018 (IIT Kharagpur)	02-02-2018 to 04-02-2018
3	Expert Lecture	Globalization and its effect on education at UPTTI	19-03-2018
4	Expert Lecture	Future Trends in Textile at UPTTI	12-04-2018
5	Expert Lecture	Wastewater Expert Lecture at UPTTI	05-05-2018
6	Expert Lecture	05 days Lecture series on "Personality Enhancement Skill" Professional Communication	17-09-2019 to 21-09-2019
7	Guest Lecture	Testing needs of textiles for Global Market	20-08-2019
8	Specialized Lecture	Modern Characterization Techniques & Nature Dyes	24-08-2019
9	Expert Lecture	Textile Structure Composites	06-04-2019
10	Expert Lecture	Methods of Carpet Manufacturing & Evaluation of carpet performance & Functional Properties	14-09-2019
11	Expert Lecture	Wool: Fibre to fabric- A Luxurious journey & Nano Technology for wool science Challenges & opportunities	31-08-2019
12	Expert Lecture	Natural Fibre & Composite Textile	09-09-2019
13	Expert Lecture	One day webinar on New Horizon of Technical Textile	29-05-2020
14	Expert Lecture	SDC Webinar Topic “Chemical Management in textiles”	26-05-2020
15	Expert Lecture	Joint webinar by UPTTI & SDC on “Understanding wastewater treatment	11-06-2020
16	Expert Lecture	online webinar on Career opportunities & Stress management	14-06-2020
17	Expert Lecture	Stress Management and self-care during COVID-19	26-06-2020
18	Expert Lecture	online webinar on New Dimension of future textiles & career opportunities”	05-07-2020
19	Expert Lecture	Webinar on “Antimicrobial Technologies for Textiles	18-07-2020

20	Expert Lecture	Sustainability & Diverse aspect of textiles manufacturing	09-08-2020
S. No	Activity/Event	Details	Date
1	Induction Programme	Induction Programme Workshop 2018-19	23-07-2018 to 14-08-2018
2	Induction Programme	Pidilite India Ltd	02-08-2019 to 06-08-2019
3	Induction Programme	Induction Program (Expert Lecture)	29-07-2019 to 21-08-2019
S No	Activity/Event	Details	Date
1	Startup Activity	Young Technologist Startup Conclave & Industrial Visit UICT (Mentoring/Twinning)	22-01-2019 to 25-01-2019
2	Startup Activity	National Sheep wool and farmer fair, Avikanagar Rajasthan	29-09-2018
4	Startup Activity	Texup 2019 (idea Competition)	02-03-2019
3	Startup Activity	Paint Your Idea	28-02-2019
4	Startup Activity/Innovation day	Innovation day, Celebration	15-10-2019
5	Startup Activity/Innovation	Innovation Cell foundation day, AICTE Delhi	11-09-2019
6	IIC Activity Week	Innovator's Life innovator's Life & Crossroad	23-09-2019 to 26-09-2019
7	Startup Activity/Innovation Workshop	One Week Workshop & IIT Kanpur Visit	26-12-2019 to 31-12-2019
S. No.	Activity/Event	Details	Date
1	Training Program	Finishing School Program	30-01-2018 to 03-02-2018
2	Training Program	Finishing School Program	12-02-2017 to 19-02-2017
3	Training Program	ICAR-CIRCOT Mumbai	07-11-2017 to 09-11-2017
4	Training Program	Industrial Automation, NITTR Bhopal,	26-02-2018 to 02-03-2018
5	Training Program	L.N.J. Bheelwada, Campus Training	12-03-2018
6	Training Program/Placement	Trident Group of Industries (Placement)	17-03-2018
7	Training Programme	Textile Manufacturing & Textile Chemistry Division CSWRI, Avikanagar, Rajasthan (A.K.S.Gangwar)	31-07-2018 to 10-08-2018
8	Training Programme	Natural dying & herbal finishing at Avika Nagar Rajasthan (A.K.S. Gangwar, S.K.Rajput)	05-01-2019 to 11-01-2019
9	Training Programme	MNNIT Allahabad MIS Training (Astitva Tiwari & Sangeeta Prajapati)	18-03-2019
10	Training Programme	Punjab Engineering College, Chandigarh, PMSS Training (Astitva Tiwari)	27-02-2019 to 28-02-2019
11	Training Programme	Short Term Training Course "Textile Product Design" NIT Jalandher (Madan Lal Regar)	14-01-2019 to 18-01-2019

12	Summer training Programme	Summer training Programme on Active Learning for Senior faculty at IIT KANPUR	02-07-2018 to 06-07-2018
13	Training Programme	(TECHKRITI)Internet of Things, Ethical Hacking , IIT Kanpur	22-02-2020 to 23-02-2020
14	Training Program	IED Lucknow Centralized training on startup and Enterprise	26-08-2019 to 28-08-2019
15	Training Programme	System thinking and Environmental Engineering for sustainable decision making, Short Term Training Course "" IIT Roorkee	03-06-2019 to 07-06-2019
16	Training Programme	Training Program on condition Monitoring of workshop	29-05-2019 to 31-05-2019
17	Training Programme	NITRA, Ghaziabad (4 Staff)	05-08-2019 to 09-08-2019
18	Training Programme	10 Days Training program on Quality Control and wet Processing of textiles, CISR Avikanagar	20-07-2019 to 30-07-2019
19	Programme	Course, "End to End Innovation" TATA Centre" IIT Bombay	17-06-2019 to 21-06-2019
20	Programme	GIAN Programme on Heterogeneous Catalysts for industrial Application NIT Jalandhar	08-07-2019 to 12-07-2019
21	Training Programme	Faculty training on "Internet of things (IOT), IIT Bombay	27-01-2020 to 31-01-2020
22	Training Programme	SITRA Coimbatore	27-01-2020 to 31-01-2020
23	Programme	AICTE-FDP on Student Induction program (SIP) SMVDU, Katra (Shri Mata Vaishno Devi University, Katra	05-03-2020 to 07-03-2020
24	Programme	Training Program at wapi	03-02-2020 to 08-02-2020
25	Training Programme	Training Programme ICAR Avikanagar,	20-07-2019 to 30-07-2019
26	Training Programme	10 Days Training program on Quality Control and wet Processing of textiles, CISR Avikanagar	20-07-2019 to 30-07-2019
27	Training Programme	One Days National Seminar on "Fibre Engineering & Textile Technology"	14-09-2019
28	Training Programme	One Week Training on Digital Marketing IN UPTTI	20-01-2020 to 25-01-2020
29	Online Meeting	6 th Academic Council Meeting	15-06-2020
30	Online Meeting	7 th Academic Council Meeting	05-08-2020
S No	Activity/ Event	Details	Date
1	Entrepreneurship	Indus entrepreneurs UP Chapter HBTU, Uthaaan & startup Nirman	16-11-2018
S. No	Activity/ Event	Details	Date
1	Seminar	Industry Institute Meeting, at UPTTI	23-02-2018
2	Seminar	TANTU" The Art of Shirt Making	15-09-2018
3	Seminar	The art of Shirt Making	15-09-2018
4	Seminar	Sustainability Development In textile Engg. (Expert - D.B.Shakyawar & Reena Singhal)	24-08-2018

5	Seminar	Advance Materials & Materials Technologies for prototypes and systems (AMMTPS-2019), DMSRDE Kanpur	03-04-2019 to 06-04-2019
6	Seminar	All India Seminar at IIT, Kanpur	08-02-2020 to 09-02-2020
7	Seminar	All India Seminar, IET, Kanpur (The Institution of Engineers (India))	08-02-2020 to 09-02-2020
8	Seminar	Textiles Fibres & Fibre Reinforced Composites Seminar, UICT Jalgaon	14-09-2019
Sr. No	Name of Activity/Event	Details	Date
1	Short Term Training programme	STTP on soft skill development & Industry Readiness Programme	18-09-2017 to 23-09-2017
2	Short Term Training programme	STTP on soft skill development & Industry Readiness Programme	22-01-2018 to 27-01-2018
3	Startup Summit 2018	Young Innovation & Startup cell (UICT, Jalgaon)	23-10-2018
4	Short term Course	Short term course of SEM Imaging At IIT Roorkee	17-06-2019 to 21-06-2019
5	Short term programme	STP on predictive analysis using R, IIT Roorkee	17-06-2019 to 21-06-2019
6	Short term Course	Short Term Course on Research Trends in cloud, Fog and Edge Computing (RTCC-2019), NIT Jalandhar	17-07-2019 to 21-07-2019
7	Short Term Course	Empowering Engineers through Communication Skills” NIT Jaipur	29-07-2019 to 02-08-2019
8	Short term programme	Short term course on Thermodynamics, IIT Gandhinagar	23-12-2019 to 27-12-2019

18. Hackathon

Sr. No	Name of Activity/Event	Details	Date
1	Hackathon	Smart Textile Hackathon 2K19 under EAP	28-09-2019
2	Hackathon	Design & performance of components of PPE for fighting against COVID-19 , UPTTI, KANPUR Jointly with UICT, Jalgaon and SPIU Lucknow	01-05-2020

19. Consultancy:

Sr. No.	Project Title	Cost	Position	Sponsor	Date of Commencement	Duration (Years)	Status (Completed/ongoing)
1	Establishment of Textile Unit to manufacture 2500 meter fabric per day	25000.00	Principal Investigator	Md Taha Ahmad	May 2019	One month	Completed

20. Memorandum of Understanding with Institutes/Universities/ Industries Signed in last

Sr. No	Institutes/Universities/ Industries	Date	Period
1	Indian Institute of Technology Delhi	Sept, 2020	Initially for three years which is extendable
2	IIC, HBTU Kanpur	July1, 2020	Initially for three years
3	UIT, CSJMU Kanpur		Initially for five years
4	India Development Forum, Lucknow	4.09.2020	Time is not factor
5	CSA Kanpur for Natural Fibre	Nov, 2019	Natural Fibre based product development, student Interaction and training
6	Kaplon Industries Kanpur	August 2019	For product development in Hosiery and Knitted Textiles
7	Tiger Syntex, Choubepur Kanpur	August 2019	For product development in Industrial Textiles, student project and training
8	Institute of Pesticide Formulation Technology (IPFT) Gurugram	Nov. 2019	For product development in Eco-friendly Pesticides, student project and training
9	Ishita Textiles, Nirala Nagar Kanpur	August 2019	For product development in Industrial Textiles, Terry Towel, student project and training

21. Worked as NBA Expert for National Service

b) Served as convener or co-convener/ co-coordinator/member for NBA/NAAC Accreditation Committee	<ul style="list-style-type: none"> Served as Member NBA Accreditation committee on Feb 8-11, 2019 at DKTE Ichalkaranji , Maharashtra Served as Member NBA Accreditation committee on Feb 8-11, 2019 at DKTE Ichalkaranji , Maharashtra Worked as Chairman Placement Cell UPTTI Kanpur
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