

## Dr. Himansu Shekhar Mohapatra

Assistant Professor  
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Year	Degree/Exam	University/ Board
2017	PhD in Textile Engineering	NIT, Jalandhar
2007	M. Tech. in Textile Technology	West Bengal University of Technology, Kolkata, India
2005	B. Tech. in Textile Engineering	Biju Pattnayak University of Technology, Odisha India
2000	Higher Secondary (10+2)	Council of Higher Secondary Education, Odisha, India
1998	Secondary (10 <sup>th</sup> )	Board of Secondary Education Odisha, India

WORK EXPERIENCE (More than 15 years)			
Position	Organization	Period	Job profile
Assistant Professor Cum Operation Manager	Indian Institute of Carpet Technology, Bhadohi, Under DC(HC) Ministry of Textiles, Govt. of India	From 6 <sup>th</sup> Aug 2014 to till date	Teaching, Research, training, administration, industrial consultancy and conducting skill development programme
Research Scholar	Dr. B. R. Ambedkar national Institute of Technology, Jalandhar, Punjab	From 10 <sup>th</sup> Aug 2011 to 5 <sup>th</sup> Aug 2014	Research, practical class of M.Tech & B.Tech
Assistant Professor	DKTE' S Textile and Engineering Institute, Ichalkaranji, Kolhapur, Maharashtra, India	From 11th Nov, 2009 to 6 <sup>th</sup> August, 2011	Teaching and Research
Research Fellow	Technical University of Liberec, Czech Republic	1 <sup>st</sup> April 2009 to 21 <sup>st</sup> October, 2009	Research and Teaching
Research Associate	Department of Textile Technology, IIT, Delhi, India	10 <sup>th</sup> August, 2007 to 17 <sup>th</sup> December, 2008	Research and coordination of international conference

## **Certificate course Attended:**

1. Employability skills for industry 4.0 from 12-Oct-2020 to 16-Oct-2020
2. Innovation and Technological entrepreneurship from 16-Nov-2020 to 20-Nov-2020
3. Green Technology and sustainable engineering from 31-May-2021 to 04-Jun-2021
4. Instructional planning and delivery from 01-Apr-2021 to 31-May-2021
5. Professional ethics and sustainability from 01-Apr-2021 to 31-May-2021
6. Technical education and curriculum aspects from 01-Apr-2021 to 31-May-2021
7. Apparel design from 01-Feb-2021 to 05-Feb-2021
8. Heritage Management from 14-Dec-2020 to 18-Dec-2020
9. Textile Design from 09-Aug-2021 to 13-Aug-2021
10. Stress management from 26 Oct-2020 to 30-Oct-2020
11. Green technology and sustainable Engineering from 19-Oct-2020 to 23-Oct-2020
12. Effective Team work from 26-Jul-2021 to 30-Jul-2021
13. Technical textiles from 14-Sep-2020 to 4-Dec-2020
14. Leadership and excellence from 14-Sep-2020 to 18-Sep-2020
15. Innovation, Novelty and Intellectual property rights from 28-Aug-2020 to 01-Sep-2020
16. Advances in apparel manufacturing technology from 17-Aug-2020 to 22-Aug-2020
17. NBA Accreditation from 10-Aug-2020 to 14-Aug-2020
18. Curriculum design and implementation from 27-Jul-2020 to 31-Jul-2020
19. Fashion Forecasting and Trend Analysis from 21-Jun-2020 to 26-Jun-2020
20. Academic and Research report writing from 27-Jan-2020 to 27-Mar-2020
21. Teacher orientation programme from 04-Jan-2020 to 24-Jan-2020
22. Textile study from 15-Jul-2019 to 27-Oct-2019
23. Auto CAD from 30 Dec-2011 to 05-Mar-2012
24. Staff Development Programme from 29 Nov-2010 to 3-Dec -2010
25. Communication Skills, Modes & Knowledge Dissemination from 01-Apr-2022 to 31-May-2022
26. Technology Enabled Learning & Life Long Self Learning from 01-Apr-2022 to 31-May-2022
27. Student Assessment and Evaluation from 01-Apr-2022 to 31-May-2022
28. Creative Problem Solving , Innovation and Meaningful R & D from 01-Apr-2022 to 31-May-2022
29. Institutional Management & Administrative Procedures from 01-Apr-2022 to 31-May-2022

<b>MEMBER OF PROFESSIONAL BODIES</b>
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Life member at “ The Indian Natural Fibre Society” NIRJAFT, Kolkata, India with membership code TINFS/LM-190/0514.
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**TECHNICAL SKILLS**

1. Experience in the field of manufacturing of textiles and related diversified products like non-wovens and technical textiles.
2. Physical and chemical characterization of Non-wovens and Technical Textiles.

**CONFERENCE PRESENTATION AND WORKSHOP ATTENDED**

1. Research paper presented as oral presentation in International e-Conference on Biopolymers, Asian Polymer Association in July 2022.
2. Research paper presented as oral presentation and published in conference proceedings in RTCT-2019 at College of Engineering and Technology, Bhubaneswar held during ICFM in December 2019..
3. 21 days orientation programme at UGC-HRDC during 4-24 January 2020.
4. Research paper presented as oral presentation and published in conference proceedings in RTCT-2016 at Department of Textile Technology, NIT Jalandhar held during 8<sup>th</sup>-10<sup>th</sup> April 2016.
5. Research paper presented as oral presentation and published in conference proceedings in ICETT 2014 at Department of Textile Technology, NIT Jalandhar held during 11<sup>th</sup>-12<sup>th</sup> April 2014.
6. Presented paper in Rangotsav (4<sup>th</sup> National Conference) held at Institute of Chemical Technology, Mumbai in February 2011.
7. Presented paper in International Conference on Technical Textiles and Nonwovens held at IIT, Delhi from 11<sup>th</sup> to 13<sup>th</sup> November 2010.
8. Active participation during International Conference on Technical Textiles and Nonwovens held at IIT, Delhi from 11<sup>th</sup> to 13<sup>th</sup> November 2008.
9. Successfully completed one week Staff Development Programme “ Innovative Techniques in Teaching and Learning Process” organized by National Institute of Technical Teachers’ Training and Research, Bhopal from 29<sup>th</sup> Nov. 2010 to 3<sup>rd</sup> Dec. 2010.
10. Workshop under National knowledge Network on ‘ Modeling and Simulation of Physical Systems’ held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 22<sup>nd</sup> to 25<sup>th</sup> April, 2013.
11. Workshop on ‘ Statistical Quality Control in Textile Industry’ held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 30<sup>th</sup> April to 1<sup>st</sup> May, 2013.
12. Attended and active participation during the short term course on “ Garment Technology” under TEQIP-II held from 10<sup>th</sup> to 14<sup>th</sup> June 2013 at NIT, Jalandhar.
13. Attended in the Short term course in AUTO CAD from 30<sup>th</sup> Dec. 2011 to 5<sup>th</sup> March 2012 held at Central Institute of Hand Tools, Jalandhar, Sponsored by Govt. of India Society, Ministry of Micro, small and Medium Enterprises.
14. Workshop on ‘ Air pollution control in Industries’ held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, on 24<sup>th</sup> February, 2012.

**GOVT. PROJECT COORDINATED/ TRAINING CONDUCTED/ EXTENSION SERVICE**

1. Project entitled “ Carpet based craft exhibition at Bhadohi for 5 days” sponsored by O/o the DC (HC), Ministry of Textiles, GOI, vide sanction letter No: M-21017/51/2014-15/Exh. Total amount: Rs.600000/- (450000+150000).
2. Project entitled “ Awareness programme in carpet making crafts at IICT, Bhadohi for 2 days” sponsored by O/o the DC (HC), Ministry of Textiles, GOI, vide sanction letter No: J-12012/115/2014-15/DS/CR (Genl.) under Design and Technology upgradation scheme (12<sup>th</sup> plan 2012-17). Total amount: Rs.100000/-.
3. Project entitled “ Seminar on Carpet Making Craft” for the youth of the society at Bhadohi for 3 days” sponsored by O/o the DC (HC), Ministry of Textiles, GOI, vide sanction letter No: K-12012/4/69/2015-16/R&D dated 21/11/2015. Total amount: Rs.4, 80,000/-.
4. Project entitled “ craft awareness programme on carpet yarn used in carpet making craft” for the SC youth of the society at IICT Bhadohi sponsored by O/o the DC (HC), Ministry of Textiles, GOI, vide sanction letter No: M-19014/116/2016-17/MD/CR/2093 dated 27/12/2016. Total amount: Rs.1, 00,000/-.
5. Project entitled “ Textile fibre in carpet yarn in handmade carpet craft” for the SC youth of the society at IICT Bhadohi sponsored by O/o the DC (HC), Ministry of Textiles, GOI, vide sanction letter No: M-19014/116/2016-17/MD/CR/2093 dated 27/12/2016. Total amount: Rs.1, 00,000/-.
6. Five days short term course/ FDP on ‘ Curriculum Development and Academic Quality Improvement’ from 1<sup>st</sup> March 2023 to 5<sup>th</sup> March 2023 sponsored by IICT Bhadohi.
7. National technical Textile Mission Project undertaken for the establishment of Technical Textile laboratory equipped with Needle punched non-woven line and spun bonded nonwoven machines and related training on technical textiles sponsored by NTTM, MOT, GOI vide sanction letter number F.No-4/2/2023-NTTM (EPC meeting) dated 3/11/2023 (first sanction letter, Total amount of Rs. 230,00,000/- lacs

## RESEARCH & DEVELOPMENT/PUBLICATIONS

1. **Himansu Shekhar Mohapatra, Betty Dasgupta and Ashwini Kumar Dash** Mechanization of process of extraction and identification of bioactive functional groups in fibrous assembly from citrus peel extract, *Man made Textiles in India*, November 2025.
2. **Himansu Shekhar Mohapatra, Ashwini kumar Dash and Betty Dasgupta**, Electro spinning and applications of electrospun Nano Fibres-A review, *Textile Trends*, August 2025.
3. **Himansu Shekhar Mohapatra, Anu Mishra and Shravan Kumar Gupta**, preparation and evaluation of electro-conductive threads from waste carpets, *Journal of Textile Association*, Vol. 83, Nov-Dec 2022, 233-236.
4. **Himansu Shekhar Mohapatra and Dipankar Jana**, study the effect of Intensity of light on pile height in terms of time and dye concentration in the hand tufted carpet, *Textile trends*, January, 2022.
5. **Himansu Shekhar Mohapatra**, optimization of solvent and level of twist for texturing of silk filament, *Indian Journal of Natural Fibre*, Vol.7, No2, January 2021, Page 16-23..
6. **Himansu Shekhar Mohapatra**, Development of Fibrous assembly from waste of citrus peels, its antioxidant and antibacterial activity, *Indian Journal of Natural Fibre*, Vol.6, No1, July 2019, Page 49-54.
7. **Himansu Shekhar Mohapatra, Anu Mishra and B S Butola**, Imparting protection against UV Radiations using in-situ coating of Titanium dioxide on Textiles, *International letters of Chemistry, Physics and Astromomy*, March 2019, Doi: 10.18052.
8. **Himansu Shekhar Mohapatra, Rajesh Kumar Verma**, Indian Handmade Carpet: A millennium floor covering, *Journal of Textile Association*, September-october 2017, 157-162.
9. **Himansu Shekhar Mohapatra, Rajesh Kumar Verma, Shravan Kumar Gupta**, Multiobjective optimization in quality characteristics of machinemade tufted carpets: Exploration of utility theory based approach, *International journal of Industrial Engineering and Design*, vol.3, issue 2, 2017.
10. **Himansu Shekhar Mohapatra**, Priyanka dubey, Arobindo Chatterjee, Pramod kumar and Sourabh ghosh, “ Development of Fibrous Assembly from Orange Peel extract: Its Characterization and Antibacterial activity” , *cellulose chemistry and technology*, published, 2016-17.
11. **Himansu Shekhar Mohapatra**, “ Smart Textiles-An Universal application’ , *Science Horizon*, 1<sup>st</sup> Issue, January 2016.
12. **Himansu Shekhar Mohapatra**, Arobindo Chatterjee and Pramod Kumar, ‘ Characrerization of fibrous assembly from lime peels extract, *International Journal of Pharmacology, Phytochemistry and Ethnomedicine* Vol. 1 (2015) pp 27-36, Online: 2015-12-02, © (2015) SciPress Ltd., Switzerland , doi:10.18052.
13. **Himansu Shekhar Mohapatra**, Arobindo Chatterjee and Pramod Kumar, ‘ Characrerization of Film for medical Textiles Application’ , *Tekstilec*, 2015, letn. 58(4), str. 268–273, DOI: 10.14502.
14. **Himansu Shekhar Mohapatra**, Rati Kanta Malik, Effect of Micro organism on Flax and Linen, *Journal of Textile Science and Engineering*, Vol. 6,(1) 2015. DOI: 10.4172/2165-8064.1000229.

15. **Himansu Shekhar Mohapatra**, Kamal Kanti Goswami, Microscopic, IR spectroscopic and thermal analysis on biodegradability of Jute, Journal of Textile Association, paper accepted on 2<sup>nd</sup> December 2015, ISSN-0368-4636.
16. **Himansu Shekhar Mohapatra**, Harabansh Singh, Mukesh Kumar Nayak, Husen Kasim Mullani, Woven polyester under cold plasma, Journal of Textile Association, Mar-April, 2015, ISSN-0368-4636.
17. **Himansu Shekhar Mohapatra**, Neha Singh, Pooja Shukla, Sanat Kumar Pal, Kamal Kanti Goswami, Application of cut work on cotton fabric, Melliand International, 2/2015.
18. **Himansu Shekhar Mohapatra**, Arobindo Chatterjee and Mukesh Kumar Nayak ‘ High Modulus polypropylene for Technical Textile Applications, International Scientific Journal on Science Engineering and Technology, 17 (8), September 2014, ISSN: 2349-6657.
19. **Himansu Shekhar Mohapatra**, Arobindo Chatterjee and Pramod Kumar ‘ Development of Bioactive film from fibrous assembly’ , Technical Textiles-Melliand International, 57, August 2014.
20. **Himansu Shekhar Mohapatra** ,Arobindo Chatterjee and Priyadarshi Jaruhar, “ Role of Textiles during wound healing”, Journal of Textile Association, May-June 2014, ISSN-0368-4636.
21. **Himansu Shekhar Mohapatra** and Pradeep Kumar Rout, “ Biodegradability of Natural Fibres, Man Made Textiles in India, July 2014.
22. **Mohapatra Himansu Shekhar**, Chatterjee Arobindo,” Bioactive Ingredients from Orange Fruits Extract” , Journal of Pharma Research, vol. 3, Issue 3, 2014, p 19-22, ISSN-2319-5622.
23. Subhankar Maity, **Himansu Shekhar Mohapatra**, Arobindo Chatterjee, ‘ New Generation Natural Fibre - Akund Floss’ , Melliand International, March 2014, vol. 1, p 22-24.
24. **Himansu Shekhar Mohapatra**, “ New Generation Application of Bamboo Fibres’ , Science Horizon, 1<sup>st</sup> Issue, January 2014.
25. **Himansu Shekhar Mohapatra**, Arobindo Chatterjee, Pramod Kumar. (Vol.2 - Issue 12 (December - 2013). “ Impact *Properties of Composites Reinforced by Textile Product* ”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181.
26. **H. S. Mohapatra**, A. Chatterjee, Pramod Kumar. (Vol.1 - Issue 1 (December - 2013). “ *New Generation application of Polypropylene Fibre* ”, International Journal of Advanced Engineering and Nano Technology (IJAENT), ISSN: 2347-6389.
27. **Himansu Shekhar Mohapatra**, Arobindo Chatterjee, Subhankar Maity. (Vol.2 - Issue 5 (November - 2013). “ *Nanotechnology in Fibres and Textiles* ”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878

## List of FDP, Teacher training, publications Etc.

### **NITTT Module, Orientation, FDP attended**

1. Completed 8 Modules from AICTE-NITTTR for teachers training programme.
2. Employability skills for industry 4.0 from 12-Oct-2020 to 16-Oct-2020
3. Innovation and Technological entrepreneurship from 16-Nov-2020 to 20-Nov-2020
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Asian Polymer Association in July 2022.

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40. Workshop under National knowledge Network on ‘ Modeling and Simulation of Physical Systems’ held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 22<sup>nd</sup> to 25<sup>th</sup> April, 2013.
41. Workshop on ‘ Statistical Quality Control in Textile Industry’ held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 30<sup>th</sup> April to 1<sup>st</sup> May, 2013.
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44. Workshop on ‘ Air pollution control in Industries’ held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, on 24<sup>th</sup> February, 2012.

<b>CORRESPONDING ADDRESS</b>	<b>PERMANENT ADDRESS</b>
Himansu Shekhar Mohapatra Assistant Professor (Textile Technology-Mechanical Processing) Indian Institute of Carpet Technology, Bhadohi, Under DC(HC) Ministry of Textiles, Govt. of India, Chauri Road- Bhadohi-221401, India Mobile: 7839426491	At/Po Keyarbank Via Mahakalpara Dist Kendrapara Pin 754224 Odisha India Mobile 7839426491

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Thanking you,

Dr.Himansu Shekhar Mohapatra