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**BUREAU OF INDIAN STANDARDS
NEW DELHI**

AGENDA

HOSIERY SECTIONAL COMMITTEE, TXD 10

17th Meeting

Date	Time	Venue
22 nd November 2024 (Friday)	1100 h	Through CISCO Webex Video Conferencing

CHAIRPERSON: **Dr. Prakash Vasudevan, Director**
The South India Textile Research Association, Coimbatore

MEMBER SECRETARY: **Shri Tanishq Awasthi, Scientist B, 'Textiles'**
Bureau of Indian Standards, New Delhi

Item 0 WELCOME AND INTRODUCTORY REMARKS BY THE CHAIRPERSON

Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

1.1 The minutes of the 16th meeting of the committee held on 06th August 2024 were circulated vide BIS DG letter No. TXD 10/A2.16 dated 13-09-2024. No comments have been received.

1.1.1 The Committee may **APPROVE** the minutes as circulated.

Item 2 COMPOSITION AND SCOPE OF TXD 10

2.1 The present composition and scope of TXD 10 is given in **Annex 1 (Pages 4-5)**.

2.1.1 The committee may **REVIEW**.

2.2 Shri Akhtarul Islam Amjad have requested for representation on TXD 10 in Individual Capacity. CV and other information provided on BIS Standardization portal is given at **Annex 2 (Pages 6 -14)**.

2.2.1 The Committee may **DECIDE**.

Item 3 ISSUES ARISING OUT OF THE PREVIOUS MEETING

3.1 A summary of actions on the various decisions taken in the last meeting is given in **Annex 3 (Page 15)**.

3.1.1 The Committee may **NOTE**.

Item 4 NEW WORK ITEM PROPOSAL

4.1 The sectional committee in the 15th sectional committee meeting approved a list of subjects for formulation of Indian standards as given below:

- 1) Stockings
- 2) Shorts
- 3) Leggings
- 4) Mufflers and Scarf
- 5) T-shirt (Cotton & Synthetic)
- 6) Singlets (Cotton & Synthetic)
- 7) Other vests (Cotton & Synthetic)
- 8) Brassieres
- 9) Tracksuits
- 10) Pyjamas

Based on the decision taken by the sectional committee, BIS has prepared P-draft on the following subjects and the same has been given below:

- 1) Singlets (Cotton & Synthetic) (**Annex 4a**)(**Pages:16-33**)
- 2) Tracksuits (**Annex 4b**) (**Pages:34-60**)
- 3) Pyjamas (**Annex 4c**) (**Pages:61-79**)
- 4) Scarfs (**Annex 4d**) (**Pages:80-92**)

4.1.1 The Committee may **DECIDE**.

Item 5 COMMENTS RECIEVED ON P-DRAFT

5.1 The committee in the previous meetings decided to prepare draft standards for the following subjects based on the inputs received from stakeholders. These draft standards were circulated as Preliminary draft among the committee members for one week dated 25 October 2024 for eliciting technical comments. The draft standards so prepared are given in **Annex 5 (Pages 93-172)** and technical comments received on the same from the committee members are given in **Annex 6 (Pages 173-176)**

Sl No.	Doc No	Title
1.	TXD 10(26838)	Textiles – Single Jersey Cotton Synthetic and Blended Leggings – Specifications
2.	TXD 10(26837)	Textiles – Knitted Mens and Womens T-Shirt – Specifications
3.	TXD 10(26850)	Textiles – Single Jersey Cotton Synthetic and Blended Womens Stockings – Specifications
4.	TXD 10 (26839)	Textiles – Single Jersey And Rib Knitted Cotton Synthetic And Blended Shorts – Specifications

5.1.1 The Committee may **DECIDE**.

Item 6 TECHNICAL WORK PROGRAMME OF THE COMMITTEE

6.1 The list of published standards under TXD 10 is given in **Annex 7 (Pages 177-179)**.

6.1.1 The Committee may **NOTE**.

Item 7 DATE AND PLACE OF NEXT MEETING

Item 8 ANY OTHER BUSINESS

ANNEX 1
(Item 2.1)

SCOPE AND COMPOSITION OF HOSIERY SECTIONAL COMMITTEE, TXD 10

Scope: To formulate Indian standards for terminology, specification and packaging relating to all types of hosiery goods.

Meeting(s) held

Date & Place

14 th Meeting	01 March, 2023 through Video Conferencing
15 th Meeting	22 September, 2023 through Video Conferencing
16 th Meeting	06 August, 2024 through Video Conferencing

SL NO.	ORGANIZATION REPRESENTED	NAME OF THE REPRESENTATIVE PRINCIPAL/ (ALTERNATE)	ATTENDANCE
1.	The South India Textile Research Association, Coimbatore	Dr. Prakash Vasudevan, Chairman Shri S. Sounderraj	3/3
2.	Apparel Export Promotion Council, Tirupur	Shri Sundar Shri Sanjay Dudeja	3/3
3.	Central Armed Police Forces (CAPF), New Delhi,	Shri D.N. Lal Shri Randhir Kr. Jha	1/2
4.	DKTE Society's Textile & Engg. Institute, Ichalkaranji,	Dr. Uday J Patil Shri Anil U Awasare	2/3
5.	Defence Material and Stores Research and Development Establishment, Kanpur	Dr. Kamal Kumar Shri Manish Kumar Singh	1/2
6.	Essa Garments, Tirupur	Shri Durgadevi	2/3
7.	JKR Garments, Tirupur	Shri Jailani	2/3
8.	Knitwear & Apparel Manufacturers Association, Ludhiana	Shri Sudarshan Kumar Jain Shri Arun Aggarwal	1/2
9.	Lux Industry, Kolkata	Shri Uday Kumar Agarwal	1/1
10.	Ministry of Defence (DGQA), New Delhi	Shri Arvind Kamthane Shri J.K. Yadav	3/3
11.	National Institute of Fashion Technology, New Delhi	Shri Ashok Prasad Ms Amrita Roy	2/3

12. NIFT-TEA College of Knitwear Fashion, Tirupur,	Dr. K.P. Balakrishanan Dr. P.P. Gopalakrishanan	2/3
13. Office of the development Commissioner, Small Scale Industries, (MSME) New Delhi	Shri Kuldeep Singh Shri S Suresh Babuji	2/3
14. Office of Textile Commissioner, Mumbai	Shri N K Gupta Shri Satish Kumar N	3/3
15. Southern India Mills' Association, Coimbatore	Dr. K. Selvaraju Shri N Esakkimuthu	3/3
16. SGS Private ltd, Mumbai	Dr. Karthikeyan K. Ms. Mahalakshmi R	2/2
17. Textiles Committee, Mumbai	Shri R Chandran Shri J Parameswaran	3/3
18. The South India Hosiery Manufacturers' Association, Tirupur	Shri M Tyagrajan Shri R Balasaravanan	3/3
19. The Synthetic & Rayon Textiles Export Promotion Council, New Delhi,	Shri Anil Rajvanshi Shri Bhadresh M Dhodia	2/3
20. Tirupur Exporters Association, Tirupur	Shri T.R Vijaykumar Shri S. Shaktivel	2/3
21. Veermata Jijabai Technological Institute, Mumbai	Dr. Shashikant Borkar Dr. Arvind Bhongade	1/2
22. Wool Research Association, Thane	Dr. Mrinal Choudhari Shri Mayur Basuk	3/3

ANNEX 2
(Item -2.2)

CURRICULUM VITAE

Dr. Akhtarul Islam Amjad, [Orcid ID](#) | [Google Scholar](#) | [Research gate](#) Assistant Professor, Department of Fashion Technology, National Institute of Fashion Technology, Panchkula, India
Mail: akh.textile@gmail.com; akhtarul.amjad@nift.ac.in,
Mobile: [+91-8209015640](tel:+91-8209015640)

Academic Qualifications – Ph. D. (Textile Engineering), M.Tech. (Textile Engg & Management), B.Tech (Textile Engineering)

Working Experience: 10 years of industrial, research, and academic experience in the field of Textile.

- Assistant Professor (Fashion Technology), at National Institute of Fashion Technology, Panchkula, India (Oct 2021 to Till date).
- Assistant Professor (Textile), Uttar Pradesh Textile Technology Institute, Kanpur, India (Sep 2018 to Sep 2021).
- Sr. Executive (QA), RSWM LTD, Bhilwara, Rajasthan, India (April 2016-Aug 2018)
- Assistant Executive (R&D), Vardhman Yarns and Threads Ltd., Hoshiarpur, Punjab, India (July 2015-April 2016).
- Nahar Spinning Mills Ltd. Mandideep, Madhya Pradesh, India (June 2012-July 2013).

List of Research Projects

- Development of Protective Clothing for Works Men of Transport Industries” under a collaboration research scheme sponsored by the National Project Implementation Unit India.
- Institute consultancy projects for MSME sponsored by UPTTI, Kanpur, India.

Member Ships – Life member (L562), Asian Polymer Association: New Delhi, Delhi, IN, Life member (L562), Thriving Engineers Alumni of Mlvtec, Bhilwara, India

Edited Books and Chapters

- **Akhtarul Islam Amjad**, 2023, Self-Cleaning Nanofinishes and Applications, in: Handbook of Nanofibers and Nanocomposites Characteristics, Synthesis, and Applications in Textiles, Jenny Stanford Publishing <https://doi.org/10.1201/9781003432746>
- **Amjad, A.I.**, Regar, M.L., 2023. Fabric preparatory, in: Textile Calculation. Elsevier, pp. 171–195. <https://doi.org/10.1016/B978-0-323-99041-7.00005-9>
- **Amjad, A.I.**, Regar, M.L., 2023. Fabric preparatory, in: Textile Calculation. Elsevier, pp. 171–195. <https://doi.org/10.1016/B978-0-323-99041-7.00005-9>
- Meena, C.R., Hada, J.S., Regar, M.L., **Amjad, A.I.**, 2023. Fabric testing, in: Textile Calculation. Elsevier, pp. 349–368. <https://doi.org/10.1016/B978-0-323-99041-7.00006-0>
- Edited book on “Sustainable Growth in Textile”, International Conference proceeding, 2021, 978-1685632458

Publication in International Journals

- **Akhtarul Islam Amjad**. "Bamboo fibre: a sustainable solution for textile manufacturing." *Advances in Bamboo Science* (2024): 100088. <https://doi.org/10.1016/j.bamboo.2024.100088>
- Mohd. Vaseem, Amandeep Singh Grover, **Akhtarul Islam Amjad**, "New Carprice prediction model using AI before launch: Forward selection Regression" *International Journal of Computer Sciences and Engineering*, Vol.11, Issue.01, pp.49-55, 2023.
- Akhtarul Islam Amjad & Rajiv Kumar, Effect of Eco-friendly Bamboo Rayon, Lyocell, and Seacell Fibres on the Properties of Blended Knitted Melange Fabrics. *Fibers Polym* (2023). <https://doi.org/10.1007/s12221-023-00148-1>
- Akhtarul Islam Amjad & Rajiv Kumar (2022) Sustainable Production and Performance Analysis of Cotton Melange Fabrics, *Journal of Natural Fibers*, DOI:10.1080/15440478.2022.2044963
- Madan Lal Regar, **Akhtarul Islam Amjad**. Effect of Solvent Treatment on Siroand Ring Spun TFO Polyester Yarn. *Tekstilec*, 2021, Vol. 64(1), 47–54 DOI: 10.14502/Tekstilec2021.64.47-54
- Madan Lal Regar, **Akhtarul Islam Amjad**, and Atiki Singhal, Camouflage Fabric for Today's Competitive Era, 2020 / Volume 3 / Issue 4 / Pages 186-201
- **Amjad, A.I.**, Kumar, R. Effect of Fibre Fineness and Noil Extraction on the Different Shade Depths of Melange Yarns. *J. Inst. Eng. India Ser. E* 101, 33–43 (2020). <https://doi.org/10.1007/s40034-019-00155-z>
- **Amjad, A.I.**, Kumar, R Evaluation of Mechanical and Physical Characteristics of Eco blended Melange Yarns *Tekstilec*, 2020, 63(2), 94-103 DOI: 10.14502/Tekstilec2020.63.94-103
- Madan Lal Regar, **Akhtarul Islam Amjad**, and Niharika Aikat. "Studies on The Properties of Ring And Compact Spun Melange Yarn." *Internation Journal of Advance Research And Innovative Ideas In Education*, 2017 3(2), p. 476-484. DOI: 16.0415/IJARIIE-4082
- Madan Lal Regar, **Akhtarul Islam Amjad**. Basalt Fibre – Ancient Mineral Fibrefor Green and Sustainable Development. *Tekstilec*, 2016, 59(4), p. 321–334. doi: 10.14502/Tekstilec2016.59.321-334.

International and National Conference Publications

- **Akhtarul Islam Amjad**, Mohd. Vaseem, Optimization of complex product for warranty: a software of warranty, International Conference on Scientific Research, 26-28 April 2024, Kırşehir Ahi Evran University, Kırşehir, Türkiy
- Anita Chahal, **Akhtarul Islam Amjad**, The child psychology and clothing in iraniancinema: abbas kiarostami's 'where is the friend's home' International Conference on Scientific Research, 26-28 April 2024, Kırşehir Ahi Evran University, Kırşehir, Türkiy
- **Akhtarul Islam Amjad**, Mohd. Vaseem, Nikita, Marketing of Fashion with the Help of Sustainability, 3rd International Architectural Sciences and Applications Symposium, September 14-15, 2023, Naples, Italy
- **Akhtarul Islam Amjad**, Amandeep Grover, Mohd Vaseem, New Car price prediction model using AI before launch: Forward selection Regression, NATIONAL CONFERENCE RESEARCH, JIS University, Agarpara, Kolkata (West Bengal) Date:23/06/2023

- **Akhtarul Islam Amjad**, Sustainable approaches for the textile manufacturing, AHI EVRAN 3rd INTERNATIONAL, Institute Of Economic Development And Social Researches IKSAD, Azerbaijan Turkey,03/03/2023
- **Akhtarul Islam Amjad**, Rajiv Kumar, Concept for the development of sustainable textile products, International conference on sustainable growth in textile (SGT, 2021), 19 to 21 Aug, 2021 at UPTTI, Kanpur.
- Mohini Katiyar, **A. I Amjad**, “Textile showing self-cleaning activity under day light irradiation”, International conference on sustainable growth in textile (SGT, 2021), 19 to 21 Aug, 2021 at UPTTI, Kanpur.
- Priya, Akanksha, **A. I Amjad**, “Indian consumer perception in Green apparels”, International conference on sustainable growth in textile (SGT, 2021), 19 to 21 Aug, 2021 at UPTTI, Kanpur.
- Nirbhay Beri, Gaurav Sharma, **A. I Amjad**, Sufia Azim “Review on alovera gel as new thickening material”, International conference on sustainable growth in textile (SGT, 2021), 19 to 21 Aug, 2021 at UPTTI, Kanpur.
- Saumya Gupta, Tithi Gupta, **A. I Amjad**, Sufia Azim “Review on electrical conductive textile by screen printing”, International conference on sustainable growth in textile (SGT, 2021), 19 to 21 Aug, 2021 at UPTTI, Kanpur.
- **Akhtarul Islam Amjad**, Rajiv Kumar, Unique appearances and developments in melange yarn, International conference on advances in textile, fashion and craft (ATFC, 2021), 22 to 24 March, 2021 at UPTTI, Kanpur
- **Akhtarul Islam Amjad**, Rajiv Kumar, Eco-friendly functional fibre for melange yarn production, National conference on sustainable growth in textile (NCSGT,2020), 12to 14 Aug 2020 at UPTTI
- Madan Lal Regar, **A I Amjad**, Disha Verma, Shruti Upadhyay, Sonal Sahu, Akash Patel Sustainability in textiles, National conference on sustainable growth in textile (NCSGT,2020), 12 to 14 Aug 2020 at UPTTI Kanpur, India
- M L Regar, **A I Amjad**, M Uttam, Garima Pal, Sapna Giri, Priyanshi Gupta Aakriti **Yadav**, Recent development in medical textile, National conference on sustainable growth in textile (NCSGT,2020), 12 to 14 Aug,2020 at UPTTI Kanpur, India,
- **A I Amjad**, Madan Lal Regar, Alka Ali, S.K. Rajput, Tariq Khan, Advance in textile chemical processing, National conference on sustainable growth in textile (NCSGT,2020), 12 to 14 Aug 2020 at UPTTI Kanpur, India
- **Akhtarul Islam Amjad**, Rajiv Kumar, Aesthetic And Moisture-Transportation Properties Of Blended Melange Yarns, International Conference on Handlooms, Fashion, Non-woven and Technical Textiles (ICHFNTT 2020) on 27th and 28thFebruary 2020 at Department of Textile Technology, University College of Technology, Osmania University, Hyderabad, India.
- Sushmita Mukherjee, Madan Lal Regar & **A I Amjad**, Dyeing From The Waste Of Black Tea: A Socio-Economic Approach, International Conference on Handlooms, Fashion, Non-woven and Technical Textiles (ICHFNTT 2020) on 27th and 28thFebruary 2020 at Department of Textile Technology, University College of Technology, Osmania University, Hyderabad, India.
- Madan Lal Regar, **A I Amjad**, M Uttam, Surbhi Mishra, Satyam Jha, Shashi, Self Healing Fibre Reinforcement Composite, International Conference on Handlooms, Fashion, Non-woven and Technical Textiles (ICHFNTT 2020) on 27th and 28thFebruary 2020 at Department of Textile Technology, University College of Technology, Osmania University, Hyderabad, India.
- M L Regar, **A I Amjad**, M K Singh, Garima Pal, Srishti Agrawal, Priyanshi Gupta, Camouflage Fabric- Fabric For Today’s Competitive Era, International Conference on

- Handlooms, Fashion, Non-woven and Technical Textiles (ICHFNTT 2020) on 27th and 28th February 2020 at Department of Textile Technology, University College of Technology, Osmania University, Hyderabad, India.
- M L Regar, **A I Amjad**, Anuj Kapoor, Aman Sachan, Fabric From Plastic Waste, International Conference on Handlooms, Fashion, Non-woven and Technical Textiles (ICHFNTT 2020) on 27th and 28th February 2020 at Department of Textile Technology, University College of Technology, Osmania University, Hyderabad, India.
- **Akhtarul Islam Amjad**, Rajiv Kumar, MELANGE YARN MANUFACTURING, PROPERTIES, DEVELOPMENTS AND APPLICATIONS, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- Mansi Gupta, Neha Gond, Vedant Tripathi, Deeksha Mishra, Shubham Joshi, **A.I. Amjad**, Mukesh Kumar Singh, Monitoring Cardiac and Respiration Activity Using Fiber Bragg – Grating-Based Sensor, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- Madan Lal Regar, **A I Amjad**, Sufia Azim, Utkarsh Aggarwal, Shubhanshu Singh, Shikha Maurya, Nanofiber- A New Fibre Production Technology, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- Madan Lal Regar, **A I Amjad**, M Uttam, Aarav Agnihotri, Antra Gupta, Savita Yadav, Electrical Conductive Textiles using Conductive ink, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- Madan Lal Regar, **A I Amjad**, Alka Ali, Nirbhay Beri, Gaurav Sharma, Md. Kaif Salim, Production of Anti UV Textile Coloration from Peanut Red Skin, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- Madan Lal Regar, **A I Amjad**, S Azim, Mariyam Khanam, Akshat, Aayush Rathore, Utilization of Non-Degradable Waste- From Trash to Treasure, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- M L Regar, **A I Amjad**, Sufia Azim, Taha, Anuj Kapoor, Ishika Rajvanshi, Aman Sachan, A Sustainable Approach to Dye Fabric with Flowers, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- **Akhtarul Islam Amjad**, Rajiv Kumar, Madan Lal Regar, Synthetic Sweat Transportation through Cotton Melange Yarns, Conference on Recent Advance in Polymer Technology (RAPT2020) on Jan 31st –Feb 1st, 2020 at University Institute of Chemical Technology, KBCNMU, Jalgaon, India.
- Madan Lal Regar, **A I Amjad**, Priyanshi Gupta, Garima Pal, Divya Dixit, CONDUCTIVE FABRIC PREPARATION BY GRAPHENE OXIDE, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, M Uttam, Prateek Gupta, Rahul Lodhi, OIL AND STAIN RESIST FABRICS, Advances in Textile Material and Processes (ATMP- 2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.

- **A I Amjad**, Madan Lal Regar, Disha Verma, Shivani Tyagi, FUTURE FABRICS- A NEW AGE OF CLOTHING, Advances in Textile Material and Processes (ATMP- 2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **Akhtarul Islam Amjad**, Madan Lal Regar, Aditya Krishna, Sikandar Prajapati, PROPERTIES of DUAL CORE LYCRA YARN, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- M L Regar, **A I Amjad**, Pramod Kumar, Srishti Agrawal, Sapana Giri, Aakriti Yadav, EFFECT OF FIBER ON APPAREL QUALITY, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, Jaya Sharma, Piyush Mishra, Anushka, CONVEYOR BELTS- A FLEXIBLE COMPOSITE, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, Jaya Sharma, Rajeev Kumar Gautam, Shivansh Awasthi, APPLICATIONS OF NATURAL FIBER IN REINFORCED COMPOSITES, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, J P Singh, Saurabh Mishra, WATsun: WATERPURIFIER, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, Madan Lal Regar, Shivam Tiwari, Aditya Mishra, EVALUATION OF MOISTURE TRANSPORTATION BEHAVIOUR OF TEXTILE MATERIALS, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, Abha Bhargava, Sushmita Mukherjee, WASTE OF BLACK TEA – A SUSTAINABLE WAY FOR DYEING, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, Mahendra Uttam Ayushi Garg, Nidhi Mishra, SELF COOLING FABRIC: A NEW INNOVATION, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, Sufia Azim, Sakshi Chaudhary, RECYCLING AND REUSING APPROACHES OF TEXTILE PRODUCTS, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- Madan Lal Regar, **A I Amjad**, Asha, Vaishali Singh, Saurabh Verma, SMART SENSOR FABRIC by ELECTRONIC TEXTILE, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December, 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, M L Regar, J P Singh, Nirbhay Beri, Gaurav Sharma, USE OF PEANUT RED SKIN TO PRODUCE ANTI-UV TEXTILE COLORATION, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, Madan Lal Regar, Shivam Tiwari, Aditya Mishra, Evaluation of moisture transportation behavior of textile materials, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, Madan Lal Regar, Taha, Anuj Kapoor, Ishika Rajvanshi, Aman Sachan, Dyeing from floral waste, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, Madan Lal Regar, Manya Jain, Surbhi Mishra, Satyam Jha, Self-healing fiber reinforcement composite, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.

- M L Regar, **A I Amjad**, J P Singh, Somitra Yadav, Vaibhav Singh Panwar, Decline of Textile Industries In India, Advances in Textile Material and Processes (ATMP- 2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, Madan Lal Regar, Alka Ali, Tariq Khan, BANANA FIBRE, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **A I Amjad**, Madan Lal Regar, Mukesh Kumar Singh, Aarav Agnihotri, Antra Gupta, Flexible Shielding for electromagnetic Rays, Advances in Textile Material and Processes (ATMP-2019) on 2nd – 3rd December 2019 at UPTTI, Kanpur, India, India.
- **Akhtarul Islam Amjad** & Rajiv Kumar, Properties of Sustainable Cotton Melange Yarns, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr.
- B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382-111-1.
- **A I Amjad**, M L Regar and Sushmita Mukherjee, Dyeing from Waste of Tea Shops, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr.
- B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382-111-1.
- Madan Lal Regar, **A I Amjad**, J P Singh, Shivam Kumar Tiwari and Ajeet Kumar, Chemical Protective Clothing, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr. B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382-111-1.
- **A I Amjad**, Madan Lal Regar, M K Singh, Aarav Agnihotri, Mohit Dinkar and Saurabh Maliyan, Structure and Properties of Healthcare and Hygiene Product, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr.
- B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382-111-1.
- Madan Lal Regar, **A I Amjad**, Prashant Vishnoi, Hamza Faisal, Mohit Jaiswal and Anmol Singh, Ballistic Armour – Protective Clothing, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr. B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382-111-1.
- M L Regar, **A I Amjad**, Mahendra Uttam, Astha Singh and Shrasti Rajouria, Agro Textile – A Need of Farmer, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr. B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382- 111-1.
- Tariq Khan, M L Regar, **A I Amjad** and Alka Ali, Colour Fast Finish: A Eco – friendly Process, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr. B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382- 111-1.
- Madan Lal Regar, **A I Amjad**, Ali Usama and Gauri Dubey, Electromagnetic Shielding Fabrics – Wearable Textile, International Conference Emerging Trends in Traditional & Technical Textiles (ICETT 2019) on 1st – 3rd November 2019 at Department of Textile Technology, Dr. B.R. Ambedkar NIT, Jalandhar, India, ISBN: 978-93-5382-111-1.
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- **Akhtarul I. Amjad**, Rohit Kumar, and Madan Lal Regar, Bamboo and Banana Fibre Excellent Material for Fibre Reinforced Composite, *International Conference on Advances in Textile Materials and Processes (ATMP-2018)* on 19-20 November 2018at UPTTI Kanpur, India in association with IIT-Kanpur, India, India.
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- Prashant Vishnoi, **A.I. Amjad**, Madan Lal Regar, Shivangini Rai and Jigyasa Hemji, Traditional Approaches for New Era Fashion, *International Conference on Advances in Textile Materials and Processes (ATMP-2018)* on 19-20 November, 2018 at UPTTI Kanpur, India in association with IIT-Kanpur, India, India.
- Rahul Kumar Shringirishi, A.K. Patra, **Akhtarul I. Amjad**, and M.L. Regar, A Review on Antimicrobial Finishes on Cotton Fabric by Various Natural Extracts, *International Conference on Advances in Textile Materials and Processes (ATMP- 2018)* on 19-20 November, 2018 at UPTTI Kanpur, India in association with IIT- Kanpur, India, India.
- Deeksha Mishra, **Akhtarul I. Amjad**, and Madan Lal Regar, Carpet Designing on Handlooms, *International Conference on Advances in Textile Materials and Processes (ATMP-2018)* on 19-20 November 2018 at UPTTI Kanpur, India in association with IIT-Kanpur, India, India.
- Akhtarul Islam Amjad and **Ravi Jain**, Pashmina- The Diamond Fibre, *International Conference on Technical Textiles and Nonwovens, 2014*, held at IIT, Delhi, India.

Expert Lecture

- Delivered an Expert Lecture in the national workshop on Effective Technical Communication at UPTTI Kanpur, India.
- Delivered an Expert Lecture for pre-PhD coursework at DG PG College, Kanpur, India.

Organized Workshop/Seminar/Summit/Webinar/Meet

- Convenor of International conference International E-conference on sustainable growth in textile (SGT-2021) organized on 19-21 Sep 2021 at UPTTI, Kanpur, India.
- Convenor of national conference NCSGT 2020 organized on 12-14 Aug 2020 at UPTTI, Kanpur, India.
- One-week Industrial visit on Recent Trends in Textile Industry in the capacity of
- **Convenor** from 20th February 2020 to 24th February 2020 at Baddi and Kullu.
- One-week Workshop on Entrepreneurship as a career option- IIC week in the capacity of **Convenor** from 26th December 2019 to 31st December 2019 at UPTTI Kanpur, India.
- One week Workshop on Start-up & Entrepreneurship in the capacity of **Convenor**
- from 23rd September, 2019 to 28th September, 2019 at UPTTI Kanpur, India.
- Smart Textile Hackathon 2019 in the capacity of Convenor from 27th September, 2019 to 28th September, 2019 at UPTTI Kanpur, India
- 1-day workshop on *Effective Technical Communication* in the capacity of **convenor**
- on 22nd Aug 2019 at UPTTI Kanpur, India.
- Organized Viraksha Ropan Maha Kumbh (*Election Pattern- 2019*) in the capacity of
- **Coordinator** on 8th Aug 2019 at UPTTI Kanpur, India
- Organized Tree Plantation Drive (*Van Mahotsav- 2019*) in the capacity of
- **Coordinator** on 6th July, 2019 at UPTTI Kanpur, India
- Organized Tree Plantation Drive (*Van Mahotsav- 2019*) in the capacity of
- **Coordinator** on 6th July, 2019 at UPTTI Kanpur, India

- Organized Technical Fest (*Texup 2019*) in the capacity of **convenor** on 2nd March, 2019 at UPTTI Kanpur, India.
- Competition and Workshop on *Paint your idea* in the capacity of **convenor** on 28th Feb, 2019 at UPTTI Kanpur, India.
- 1 days workshop on *orientation on entrepreneurship as a career option* in the capacity of **convenor** on 29th Jan, 2019 at UPTTI Kanpur, India.
- Summit on *Youth Technologist Startup Conclave 2019* in the capacity of **organizing secretary** on 22nd Jan, 2019 at UICT Jalgaon in collaboration with UPTTI Kanpur, India.
- Faculty-student Industrial Visit on 23rd Jan, 2019 at Raymond Jalgaon.
- Workshop on *Sustainability in Textile Chemical processing* in the capacity of **convenor** on 11th & 12th Jan, 2019 at UPTTI Kanpur, India.
- Workshop on *IPR for students and Faculty members* in the capacity of **convenor** on 10th Jan, 2019 at UPTTI Kanpur, India.
- A Webinar on *India's first leadership talk* in the capacity of **convenor** on 1st and 3rd Oct, 2018 at UPTTI Kanpur, India.
- Summit on *Young Innovators Summit 2018* in the capacity of **Program Coordinator** on 23rd Oct, 2018 at UPTTI Kanpur, India in collaboration with UICT Jalgaon.
- 2 days' workshop on *Communication and personality development* in the capacity of **organizing secretary** on 1st and 3rd Oct, 2018 at UPTTI Kanpur, India.

ANNEX 3
(Item 3.1)

**SUMMARY OF ACTIONS TAKEN ON THE DECISIONS
TAKEN IN THE 16th MEETING OF TXD 10**

Item No.	Brief Description	Action Taken
2.1	Changes in Scope and Composition of TXD 10	Updated scope and composition are given in Annex 1.
5.1	Draft Indian Standards for Finalization	10 Indian Standards were FINALIZED and sent for Publication.