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NITRA NEWS

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EDITORIAL STRUCTURE

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A QUARTERLY
NEWSLETTER
FROM NITRA

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FROM DIRECTOR GENERAL'S DESK

Dear Patrons,

During this quarter NITRA organised National Conference on Innovations in Protective Textiles in NITRA Campus. The conference was inaugurated by the Hon'ble Textile Minister Sh. Giriraj Singh. The conference marked a significant step towards positioning India as a global leader in advanced and high-performance protective textiles. In addition to this, a meeting of Task Force 1 on "New Age Fibre" was held in NITRA. The meet discussed on the latest innovations in milkweed, hemp, and flax fibres, with a strong emphasis on their potential in sustainable and high-performance textile applications.

We are delighted that NITRA has been awarded the prestigious OEKO-TEX® STANDARD 100 Certification for CLOCell™ Milkweed Fibre in raw white/natural form. This internationally recognized certification reflects NITRA's continued commitment to innovation, sustainability, quality assurance, and global textile excellence.

During this happening period, I was invited by All India Radio to talk about the textile industry and NITRA's contribution to the textile sector of India. I tender my gratitude to AIR for this insightful interaction that was aired on FM Gold, Indraprastha, Akashvani Live News 24x7 and 'Akashvani AIR' YouTube Channel. Besides, I also thank MoT for kindly nominating me as member of the Development Council for Textile Industry. I assure to do my best in this new role.

I presented NITRA's works in important forums like Technical Textiles Conclave 2026 in Surat, National Seminar on New Age Fibres in New Delhi, and National Conference on Technical Textiles at PHD House, New Delhi. Besides, we also supported the conference at PHD House. I also chaired the 28th meet of the Textiles Division Council (TXDC) of BIS during this period.

I led a team of five scientists from NITRA to participate in Techtextil 2026, Frankfurt, Germany during this period. We are happy to note that NITRA stall emerged as a hub of innovation and collaboration, attracting industry leaders, global experts, and visitors from across the textile value chain. The keen interest, insightful discussions, and positive feedback received affirmed the growing global recognition of NITRA's research excellence and industry-oriented approach.

NITRA commemorated its 52nd Foundation Day on 22nd June, 2026. The day reflected on a legacy of service, research, and technological advancement in the textile sector for more than half a century now. Both the hon'ble Union Minister of Textiles, Shri Giriraj Singh, & Shri Pabitra Margherita, Hon'ble Minister of State for Textiles, Government of India, joined the program. We were privileged to honor our retired employees whose dedication, commitment, and years of invaluable service have significantly contributed to the growth and success of NITRA.

I hope this edition of NITRA News provides you with valuable insights and makes for an enjoyable read.

Dr. M. S. Parmar
Director General, NITRA

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Mission for Cotton Productivity: A Major Boost for India's Textile Sector

The Government of India has approved the Mission for Cotton Productivity (2026–27 to 2030–31) with an investment of ₹5,660 crore, marking one of the most significant interventions in the cotton sector in recent decades. The initiative aims to strengthen India's cotton value chain and support the national vision of Farm → Fibre → Factory → Fashion → Foreign. Despite being the world's second-largest cotton producer, India has witnessed declining cotton output and productivity, creating pressure on domestic textile manufacturers and increasing dependence on imports, especially of Extra Long Staple (ELS) cotton.

The Mission focuses on improving seed technology, crop productivity, ginning and processing infrastructure, testing facilities, traceability, digital market integration, and fibre diversification. Key initiatives include promotion of climate-resilient cotton varieties, modernisation of 2,000 ginning units, establishment of quality testing systems, and expansion of sustainable fibre alternatives.

Target Outcomes by 2030–31

- Cotton production: Increase from 297 lakh bales to 498 lakh bales (+71%)
- Lint productivity: Increase from 755 kg/ha to ~1,510 kg/ha (2× growth)
- Trash content: Reduce from 3–5% to below 2%
- Domestic demand: Achieve self-sufficiency for expected demand of 450 lakh bales

Strategic Impact on Textile & Apparel Sector

- Raw material security: Reduced dependence on imported cotton and lower input costs.
- Improved quality: Lower contamination enhances competitiveness in premium markets.
- Boost to premium textiles: Domestic ELS cotton supports fine-count yarn and value-added apparel production.

Source: 1 Wazir Analytics and Intelligence (AI) Team (May 2026). Mission for Cotton Productivity: Strategic Implications for India's Textile & Apparel Sector, **2** Government of India – Union Cabinet approval announcement on Mission for Cotton Productivity (2026–27 to 2030–31).

R&D Spectrum

Presently, NITRA is working on 07 Government sponsored projects:

Sponsoring Agency: DST, Govt. of India

- To develop protective workwear for sewage and sanitary workers

Sponsoring Agency: Ministry of Textiles, Govt. of India

- Design and development of various products from Milkweed (*Calotropis*) floss/fibre

under NTTM, Scheme,

- Development of Specialized Firefighting Suit
- Development of flame-retardant Nylon 66 yarn/fibre indigenously
- Cellulose-based indigenous high Clo value and low-density surface modified natural fibre for developing thermal layers of extreme cold climate clothing
- Development of Indigenous State-of-the-art Instruments for Protective Textiles
- Development of Flame Retardant micro glass beads-based Retro-reflective material

under Tex-RAMPS' Scheme,

- Application of new-age hydrophobic oleophilic Milkweed fibres for oil and grease removal from industrial wastewater
- Research-Driven innovation in Milkweed floss for Textile Manufacturing

Director General's Engagements



Dr. M.S. Parmar was interviewed on the "Science Bharti" programme, which was broadcast on various All India Radio channels

Dr. M. S. Parmar, Director General of NITRA, was invited by All India Radio for an insightful interaction that was aired on FM Gold, Indraprastha, Akashvani Live News 24x7 and 'Akashvani AIR' YouTube Channel. During the session, he highlighted the key activities and initiatives of NITRA, offering a comprehensive overview of its contributions to the textile sector. He also introduced the concept of protective textiles, with a special focus on innovative developments in milkweed fiber as a sustainable and high-performance material. He spoke about NITRA's role in advancing research, adopting cutting-edge technologies, and promoting indigenous fiber innovations. He elaborated on how these developments are benefiting soldiers deployed in high-altitude regions by providing heat-resistant, lightweight, and eco-friendly textile solutions. The discussion also shed light on ongoing research in emerging textile technologies, reinforcing NITRA's commitment to innovation.



Director General at Technical Textiles Conclave in Surat

Dr. Parmar delivered a lecture on NITRA's initiatives on the application of Milkweed floss/fibre (CLOCell™) in textiles during the Technical Textiles Conclave 2026 held on 15th May 2026 at UKM Hall-SGCCCI, Surat. He highlighted the potential of milkweed fibres in sustainable technical textile applications, emphasizing their lightweight nature, thermal insulation properties, and eco-friendly characteristics for next-generation textile solutions.

Director General's Engagements



Director General chairs BIS meet

Dr. M. S. Parmar, Director General, NITRA chaired the 28th meeting of the Textiles Division Council (TXDC) of BIS on 13th May 2026.



DG NITRA presents paper at National Seminar on New Age Fibres organized by MoT and NJB

Dr. M. S. Parmar delivered an insightful presentation on the "Foundational Framework – Task Force-1 for New-Age Fibres (Milkweed, Flax & Hemp)" under Mini Mission-III during National Seminar on New Age Fibres organized by MoT and National Jute Board on 19th May 2026 at The Ashok Hotel, New Delhi. The presentation highlighted the global standing of these emerging fibres, along with key opportunities, challenges, and critical gaps, emphasizing their potential in driving sustainability and innovation in the textile sector.

Dr. M.S. Parmar nominated as Member of the Development Council for Textile Industry
Constituted by the Central Government under the Textile Policy Division, Ministry of Textiles

Director General's Engagements



Dr. M. S. Parmar was invited as a panellist at the National Conference on Technical Textiles – SPORTECH Bharat Vision 2047, held on 30th June 2026 at PHD House, New Delhi

Dr. M. S. Parmar, Director General, NITRA, participated as a panellist, sharing insights on the future of India's technical textiles sector. NITRA also showcased its latest research innovations and advanced testing capabilities, reaffirming its commitment to sustainable, industry-driven R&D. The conference fostered meaningful collaboration and knowledge exchange, further strengthening NITRA's role in driving innovation and supporting the vision of Viksit Bharat 2047.

Consultancy Corner

- NITRA provided consultancy services in areas such as manpower rationalisation, electrical safety audits, process audits, waste management, and technical & financial appraisal of Common Facility Centres (CFCs).
- During April–June 2026, NITRA completed 14 Nos. third-party inspections of textile and apparel manufacturing units. Third-party inspections covered products including rain ponchos, synthetic web equipment, woollen blankets, woollen jerseys, groundsheets, mattresses, combat coats, balaclavas, parkas, and lightweight sleeping bags.

Integrated Textile & Apparel Development Centres (Previously known as PLSC)

- NITRA operates 8 Indian Textile and Apparel Development Centres (ITADCs) across Uttar Pradesh, Punjab, Rajasthan, and Haryana.
 - 460 trainees were imparted skill training during April–June 2026.
 - 878 textile samples were tested
 - 42 new designs were developed for the textile and apparel sector.
 - 52 consultancy assignments were successfully completed.
 - 143 liaison visits were conducted to strengthen industry outreach



HRD Focus

Programs organised

S. No.	Title of Training/Conference/Seminar /Workshop	Venue	Department	Date	No. of participants/trainees
1	Innovation in Protective Textiles	NITRA, Ghaziabad	NITRA	9 Apr 2026	350
2	NTTM Training Programme at Vishveshwarya Group of Institutions (VGI)	Vishveshwarya Group of Institutions, Gautam Buddha Nagar, Uttar Pradesh	HRD & Publication	11 May 2026 – 06 June 2026	24
3	Sustainable Textile Manufacturing	NITRA	Garment	8th June -7th July 26	24
4	Workshop on Milkweed (Aak) pod picking and storage at Khategaon, M.P.	National Rural Livelihoods Mission & Janpad Panchayat, District, Khategaon Dewas, Madhya Pradesh	R&D	30th April	300

Programs attended

S. No.	Title of Training/Conference/Seminar /Workshop	Name of the participant	Department	Venue /Date	Status
1	Recycling of Textile Waste for Circular Economy	Lalit G. Goswami	MPD- Spinning	Webinar, 20-June-26	Participant
2	National Conference on Technical Textiles: "Scaling the Technical Textiles Frontier – Innovation, Sustainability, and Indigenous Excellence (Viksit Bharat 2047)	Dr. Neha Kapil, Dr. Nidhi Sisodia, Dr. Preeti kaur Sachdeva, Dr. Roopam Chauhan. Dr. Ankita Yadav	NITRA	30 June	Participant

◆ Testing Zone

Newly Established Testing Facilities

- Fire Manikin Test Setup for evaluation of protective clothing performance
- Comprehensive Food Testing Laboratory
 - Analysis of spices, herbs, and condiments
 - Microbiological examination of alcoholic and non-alcoholic beverages
- Footwear and Leather Testing Facility
 - Raw material testing
 - Sole adhesion testing
 - Abrasion resistance tests
 - Flexing resistance evaluation
- Bullet Proof Helmet Evaluation Unit
 - Design assessment
 - Evaluation of helmet accessories

Advanced Instruments

- Molten metal splash tester
- Automatic flammability tester
- Automatic limiting oxygen index tester
- Retro-reflectance tester
- Contact & Radiant heat tester
- Electrical resistivity tester
- Fire resistance testers
- Gas fume chamber
- Toxicity tester
- Smoke visibility tester

Sport Textile tests:

- Cut resistance test
- Impact test
- Compression test
- Flexing (belly type)

TESTING SERVICES:

During April 2026 to June 2026, NITRA has tested total 5803 samples in its six NABL accredited laboratories (Physical quality evaluation lab-2006, Chemical quality evaluation-1595, CoE (Protech) -1419, Microbiology labs-62, Eco lab & Env. lab- 54 and Polymer & technical textile -667).

◆ Dignitaries Visit



Team from Troop Comforts Ltd. Kanpur visits NITRA

NITRA had the privilege of welcoming Mr. Shrikant Doiphode, General Manager, Troop Comforts Ltd. During the interaction, fruitful discussions were held on strengthening industry-institute collaboration, innovation in technical textiles, and future opportunities for cooperation.

◆ Dignitaries Visit



Aditya Birla Fashion & Retail Limited Team Visits NITRA

Dr. Naresh Tyagi, Chief Sustainability Officer at Aditya Birla Fashion & Retail Limited, along with his team visited Northern India Textile Research Association on 12 May 2026 to explore new opportunities in the development and application of milkweed fiber. The visit focused on strengthening potential collaborations in sustainable textiles, eco-friendly fibre technologies, and innovative research initiatives to build a greener future for the textile industry. Discussions also highlighted the growing importance of natural and sustainable fibers in advancing environmentally responsible fashion and textile solution.

◆ Glimpses



NITRA's academic wing NITRA Technical Campus awarded Certificate of Participation in National Energy Conservation Awards (NECA)-2025

Reaffirming its commitment to environmental sustainability, NITRA observed Earth Day by highlighting its continued efforts to promote sustainable innovation in the textile sector. Through cutting-edge research, development of eco-friendly technologies, and the adoption of sustainable practices, the institute remains dedicated to reducing the environmental footprint of the textile industry while advancing green solutions.

Adding to this commitment, NITRA Technical Campus has been awarded a Certificate of Participation in the prestigious National Energy Conservation Awards (NECA) 2025, organized by the Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India. The recognition was conferred for the institute's participation in the Building Category, reflecting its sustained efforts to enhance energy efficiency and promote responsible energy management across its campus.

Glimpses



Union Textile Minister inaugurates National Conference on Innovations in Protective Textiles at NITRA

The National Conference on Innovations in Protective Textiles was inaugurated on 9th April, 2026 at NITRA by Shri Giriraj Singh, Hon'ble Union Minister of Textiles, Government of India. Supported by the National Technical Textiles Mission (NTTM), the conference marked a significant step towards positioning India as a global leader in advanced and high-performance protective textiles. The event brought together experts, researchers, and industry leaders to foster innovation and collaboration in this critical sector.

Some highlights of the mind-blowing Technical Sessions during the National Conference



Some of the prominent panellists during the conference

Top: Dr. Abhijit Majumdar, Dr. Nandan Kumar, Mr. Manmohan Singh, Mr. Suhvir Tekkar, Mr. Anjani Prasad, Mr. Munendra Singh

Side: Dr. Bipin Kumar, Mr. Rahul Agarwal, Dr. Naresh Tyagi, Dr. Mazahir Raza, Dr. M.S. Parmar, Dr. Aporba Das, Mr. J. K. Gupta, Mr. Umasankar Mahapatra, Dr. Pankaj Kumar, Mr. Raghvendra Singh



Ms. Manisha Chatterjee, JS, MoT, GoI, and Mr. Updeep Singh CEO (Odisha Projects) & Resident Director (Delhi), Welspun World



Glimpses



Meeting on 'Task Force 1 on New Age Fibres' held at NITRA

A meeting on "New Age Fibre" was held on 18th April, 2026 at NITRA. Dr. M. S. Parmar, Director General, NITRA, welcomed all the participants to the meeting of Task Force 1 on New Age Fibres, setting the tone for a focused and engaging session. The meeting was graced by eminent dignitaries Dr. Sarveshwar N. Bhure, Joint Textile Commissioner, MoT, Mr. Shashi Bhushan Singh, Secretary, NJB, Kolkata and Mr. Kishan Singh Ghughthyal, Director, NJB.

Deliberations during the session centered on the latest innovations in milkweed, hemp, and flax fibres, with a strong emphasis on their potential in sustainable and high-performance textile applications. NITRA continues to play a pivotal role in fostering research, innovation, and industry collaboration, supporting the textile sector in embracing future-ready technologies.



Mr. Amit Thapar, President, Ganga Acrowools Ltd, with NITRA team



Mr. Sandeep Hora, CEO Aeronav and Deputy Chairmen NITRA along with NITRA team

NITRA Receives an Overwhelming Response at Techtextil Frankfurt 2026, Germany

NITRA stall emerged as a hub of innovation and collaboration, attracting industry leaders, global experts, and enthusiastic visitors from across the textile value chain. From advanced technical textiles to sustainable solutions, our showcase reflected NITRA's commitment to driving the future of the textile industry. The keen interest, insightful discussions, and positive feedback received at the stall reaffirm the growing global recognition of NITRA's research excellence and industry-oriented approach.

Glimpses



Global collaboration at Techtextil 2026, Frankfurt, Germany

Global leaders and industry experts came together during Techtextil 2026, Frankfurt, strengthening international collaboration and innovation in the textile sector. Distinguished dignitaries present at the event includes Ms. Vrunda Manohar Desai – Textile Commissioner, GoI, Ms. R. Lalitha – Textile Commissioner, Govt. of Tamil Nadu, Mr. Dirk Zschenderlein – STFI, Germany, Mr. Shaleen Toshniwal – Chairman, MATEXIL and Mr. A. Ravikumar – Executive Director, MATEXIL. The gathering highlighted the shared vision of advancing sustainable textiles, global partnerships, and future-ready innovations for the industry.



Mr. Siddharth Y Kusumgar – Chairman & MD, and
Ms. Sapna S Kusumgar, JMD M/s. Kursumgar Ltd.

Some of the prominent visitors at NITRA Pavilion at Techtextil Frankfurt 2026

We extend our sincere thanks to all visitors, partners, and stakeholders for making this participation a grand success. Together, we move forward towards innovation, sustainability, and global excellence.



Mr. Arhant Nopany, Non-executive Director &
Mr. Narinder Thapa, Chief Business Officer, Sutlej
Textiles & Industries Ltd.



Mr. Ved Prakash Pandey, India Business Head,
Hyosung Advanced Materials

Foundation Day



NITRA marks 52 years of excellence and innovation with Union Textile Ministers join the day

NITRA commemorated 52nd Foundation Day, reflecting on a distinguished legacy of service, research, and technological advancement in the textile sector. The occasion was graced by Shri Giriraj Singh, Hon'ble Union Minister of Textiles, Government of India, and Shri Pabitra Margherita, Hon'ble Minister of State for Textiles, Government of India. Their esteemed presence added significance to this landmark event. The program brought together industry leaders, researchers, academicians, and stakeholders to acknowledge NITRA's contributions to the growth of the Indian textile industry and to reaffirm its commitment to innovation, sustainability, and excellence.



Former Employees Honored on NITRA's 52nd Foundation Day

On the auspicious occasion of the 52nd Foundation Day of NITRA, we proudly recognized and honoured our retired employees whose dedication, commitment, and years of invaluable service have significantly contributed to the growth and success of the organization. Their hard work, perseverance, and unwavering commitment laid the foundation for many of NITRA's achievements and continue to inspire future generations.

The felicitation ceremony was a heartfelt tribute to these distinguished individuals, acknowledging their remarkable contributions and expressing our sincere gratitude for their service to NITRA and the textile industry. Once a part of NITRA, always a part of the NITRA family!

MoU and Technology Transfer



NITRA transfers Innovative Rice Stubble Fibre Extraction Technology to HPCL-MEL

The Northern India Textile Research Association (NITRA) has achieved a significant milestone by successfully transferring its innovative Rice Stubble (Paddy Straw/Parali) Fibre Extraction Technology to HPCL-Mittal Energy Limited.



NITRA has been awarded the prestigious OEKO-TEX® STANDARD 100 Certification for CLOCell™ Milkweed Fibre in raw white/natural form.

This internationally recognized certification validates that the product has been tested for harmful substances and meets stringent global safety standards, making it suitable for Product Class

Leisure & Recreation Time



Plantation drive on World Environment Day

As part of NITRA's commitment to environmental sustainability and a greener future, NITRA family members participated in planting saplings across the campus. The initiative aimed to promote environmental awareness, enhance green cover, and encourage collective responsibility toward nature conservation. NITRA has consistently undertaken eco-friendly initiatives, including water recharge programs and 200 kW solar power generation, contributing towards sustainable development and environmental protection.



Yoga is the journey of the self, through the self, to the self ...

NITRA and NITRA Technical Campus, Ghaziabad, celebrated the International Day of Yoga on June 21, 2026, emphasizing the importance of a healthy body, a calm mind, and a balanced lifestyle. The yoga session was conducted under the expert guidance of a trained yoga instructor, who led participants through live demonstrations of various Asanas, Pranayamas, and Mudras. Faculty members and staff participated in the session, learning techniques that promote physical fitness, mental well-being, and inner peace. The event served as a reminder of the timeless value of yoga in fostering holistic health and harmony in everyday life.

NORTHERN INDIA TEXTILE RESEARCH ASSOCIATION

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NORTHERN INDIA TEXTILE
RESEARCH ASSOCIATION



NITRA is one of the prime textile research institutes in the country. The institute, jointly with the Industry and Ministry of Textiles, Govt. of India, provides services to the Indian textile and apparel industry.



50+ YEARS

of proven record in
Research, Education
and Consultancy



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Designed with Industry
needs in mind



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equipment

ONE YEAR JOB-ORIENTED FULL TIME PROGRAMS

(SESSION 2026-27)



FASHION MARKETING AND MERCHANDISING (FMM)

Qualification
Graduation /
Diploma

Duration
12 Months



APPAREL DESIGN & QUALITY CONTROL (ADQC)

Qualification
10+2

Duration
12 Months



APPAREL PRODUCTION AND INDUSTRIAL ENGG. (APIE)

Qualification
10+2

Duration
12 Months



Programs are approved by Apparel, Made-ups
and Home Furnishing Sector Skill Council, Govt.



APPAREL, MADE-UPS
& HOME FURNISHING
SECTOR SKILL COUNCIL

DISTANCE LEARNING PROGRAMS (DLP)

FLEXIBLE • CONVENIENT • EFFECTIVE

1

APPAREL MANUFACTURING AND MERCHANDISING (AMM-DLP)

Duration
12 Months

2

QUALITY EVALUATION OF TEXTILES & GARMENTS (QETG-DLP)

Duration
12 Months

3

TEXTILE TECHNOLOGY & MANAGEMENT (TTM-DLP)

Duration
12 Months



Classes on 2nd and
5th Sunday of
every month



Detailed Study
Material provided
to each student



Industry Experienced
Faculty & Practical
Exposure

WHY CHOOSE NITRA?



Strong Industry
connect and
placements



Practical learning
and live projects



Career oriented
training and
guidance



Trusted by leading
recruiters across
the industry

FOR ADMISSION

Please contact
Admission Cell



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83681 84387



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— With NITRA, Your Future is in Safe Hands —