

Week 41 | 06-12 October 2024



TELATHALA

Official E-Newsletter of DOST-Philippine Textile Research Institute

PTF in combat

COMBATex fortifies SRDP Act, PTF Law compliance

10 October 2024, TELA Gallery, DOST-PTRI, Bicutan, Taguig City

A day after His Excellency President Ferdinand R. Marcos Jr. signed Republic Act No. 12024, also known as the "Self-Reliant Defense Posture (SRDP) Revitalization Act", the Institute hosted the Textile Innovation Dialogue for Human Security and Defense Sector. The event gathered stakeholders from the military, PNP local textile manufacturers, and industry experts to discuss the textiles innovations for the military.



Focusing on the camouflage fabric and battle dress uniforms, the dialogue aimed to align local production capabilities with the military's need for durable, high-performance materials. Representatives from the Armed Forces of the Philippines and local textile companies emphasized the importance of collaboration to develop high-quality Philippine Tropical Fabrics (PTF) for military use.



3rd PTF Webinar Draws 200+ Attendees

F2F for Uniform Makers Coming Soon

11 October 2024, via Zoom and DOST-PTRI Facebook Page



Largest Regional SEDA Pilipinas Silk Cocoon Hub to rise in Laguna in 2025

12 October 2024, Hills and Berries, Pangil, Laguna



The Institute broke ground on the country's largest commercial-scale silk cocoon production hub in Pangil, Laguna. The facility, part of the SEDA Pilipinas initiative, is set to produce 1.2 tons of raw silk annually, solidifying the region's role in the Philippine Silk Roadmap. Utilizing a 10-hectare mulberry plantation, the project represents a major step in expanding local silk production and reducing reliance on imports. The initiative, in collaboration with DOST-CALABARZON and local enterprise Hills and Berries, aims to create jobs, promote sustainable agricultural practices, and strengthen the local textile industry.

Taytay Poised to be the Textile Upcycling Capital

11 October 2024, Taytay, Rizal



To strengthen Taytay's textile industry, the Institute signed a Memorandum of Understanding (MOU) with the Municipality of Taytay, Rizal. The MOU, signed during the Regional Science, Technology, and Innovation Week in CALABARZON, aims to explore sustainable textile manufacturing, upcycling, and innovation in garments production. DOST-PTRI Director Dr. Julius L. Leano, Jr. emphasized Taytay's potential to become the textile upcycling capital of the Philippines. The partnership seeks to boost Taytay's local economy by promoting eco-friendly textile practices and enhancing the town's role as a key player in the textile industry.

The Team then held a brief Innovation Dialogue, during which DOST-PTRI presented key initiatives, including TexRev for waste textile upcycling, DigitELAzation for Industry 4.0 applications in textile and garments manufacturing, and the Textile Academy, which focuses on upskilling garment manufacturers.

The Institute conducted the last batch of its Philippine Tropical Fabrics (PTF) Law Webinar on October 11, 2024, drawing over 200 participants from various government agencies nationwide. This webinar series aims to ensure compliance with Republic Act No. 9242, which mandates the use of PTF in government uniforms.

The session educated National Government Agencies (NGAs) and Local Government Units (LGUs) on key aspects of the PTF Law, such as fabric testing, certification, and procurement guidelines. Representatives from the Civil Service Commission (CSC), LGUs, TESDA, and other relevant agencies attended to better understand their roles in promoting compliance.

DOST-PTRI experts shared insights on PTF-compliant fabric testing and procurement processes, advocating for the use of local fabrics like abaca, piña, and banana to support sustainability and preserve cultural heritage.

Next week, a face-to-face session with uniform manufacturers will take place to further explain PTF regulations and guidelines.



PTF Shines at Erlendur Iceland Fashion Week 2024

Whales of Iceland Museum, Reykjavik, Iceland

The Philippine Tropical Fabrics (PTF) are featured at Erlendur Iceland Fashion Week in Reykjavik, Iceland featuring Mayeth S. Codoy, a Filipina designer, and owner of MYET, a Norwegian brand based in Norway that specializes in designing NTF fabrics.

Ms. Codoy's work is anchored in sustainability, influenced by Norwegian culture and economic value. She showcases this through her ingenious use of Philippine natural textile fibers in haute couture fashion. Her signature fashion style includes minimalist contemporary design using natural textile fibers.

Part of her advocacy is promoting a sustainable business model that ensures equitable compensation for local tailors and seamstresses. Ms. Codoy's dedication to and passion for Philippine textiles have led to a collaboration with the DOST-PTRI."



SAFATOS, PTF gain interest of SM

Textile Innovations in Center Stage in DOST-SMIC's Tactics for Better PlasTIK Expo

10-11 October 2024, Megatrade Hall 3, SM Megamall, Mandaluyong City



The Institute took center stage at the Tactics for Better PlasTIK Expo, showcasing innovations in sustainable textiles. The event, held from October 10-11 at SM Megamall, highlighted DOST-PTRI's work in developing biodegradable fibers such as bamboo and abaca to address the plastic waste crisis. The Institute also introduced nonwoven materials as an eco-friendly alternative to plastic packaging, further demonstrating its commitment to sustainability in the textile industry. The event facilitated discussions on circular economy principles and provided a platform for stakeholders to exchange knowledge and explore commercialization opportunities.

Mangyan Communities harness colors from plants thru NatDyes Training

08-10 October 2024, Panaytayan Proper, Oriental Mindoro

The Institute conducted a five-day natural dye training program for the Hanunuo Mangyan community in Oriental Mindoro, blending traditional dyeing knowledge with scientific methods. The training, held from October 7-11, focused on producing natural dyes from local resources like cogon grass, talisay leaves, and indigo plants

The initiative not only seeks to improve the community's technical skills but also to preserve their cultural heritage while promoting sustainable textile practices. DOST-PTRI continues to empower indigenous communities through programs that support both economic development and environmental sustainability.



SEDA Pilipinas renews ties with Benguet State U

08 October 2024, La Trinidad, Benguet



SEDA Pilipinas has expanded its presence in Benguet, with plans to establish the region's third Silk Innovation Hub under the SEDA Pilipinas Program. In partnership with Benguet State University, the facility will include a mulberry plantation and silk cocoon production lines, expected to produce 1.8 tons of raw silk annually. This initiative aims to revive the local silk industry and stimulate the economy through sustainable practices. DOST-PTRI and local government officials have also announced the 6th Philippine Silk Summit, set for March 2025 in Baguio City, highlighting Benguet's key contribution to the national silk roadmap.

Patent Granted!



LETTERS PATENT INVENTION

PATENT NO. 1/2020/056110

Having complied with the provisions of Republic Act No. 8293 and its regulations, the Office certifies that this Patent with the following particulars was granted on 25 April 2025 with a term until 17 April 2040, unless otherwise earlier cancelled, lapsed, or forfeited.

This patent grants to the holder the right to restrain, prohibit any unauthorized person or entity from making, using, offering for sale, selling or importing a product of a patented process and importing any product obtained directly or indirectly from such process of a patented process.

Patentee: DEPARTMENT OF SCIENCE AND TECHNOLOGY - PHILIPPINE TEXTILE RESEARCH INSTITUTE (DOST - PTRI) (Taguig City, Metro Manila, PH)

Title of the Invention: SPINNING MACHINE

Inventors: PECHERA, Ronald S. (Taguig City, Metro Manila, PH) and CASERO, Roberto O. (Taguig City, Metro Manila, PH)



The Institute has been granted a patent for an invention—a spinning machine capable of processing a wide range of natural fibers, including cotton, abaca, and bamboo. Invented by engineers Ronald S. Pechera and Roberto O. Casero, the machine, which can be operated manually or by motor, is set to transform the local textile industry. With this patent, DOST-PTRI gains exclusive rights to the machine, safeguarding the innovation from unauthorized production or sale. The invention marks a significant leap toward enhancing the efficiency and sustainability of fiber processing in the Philippines.

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