Exhibition on women in science, technology, and innovation for sustainable and inclusive development

7 – 9 April 2025
Gallery space, 3rd Floor of the E-Building, Palais des Nations

Name of Exhibitor: Department of Science and Technology - Philippine Textile Research Institute (Kimberly P. Viron)
Country: Philippines

Introduction of the Exhibitor

The Department of Science and Technology - Philippine Textile Research Institute (DOST-PTRI) is the sole agency mandated by virtue of Executive Order No. 128 dated 30 January 1987 to conduct R&D for the Philippine textile industry sector. The Institute acts as a catalyst to spur growth in the industry through the planned development of growth centers and state-of-the-art service facilities for Philippine textiles. Through its continuous research and development initiatives in emerging and advanced technologies to produce competitive textile and textile-based products through R&D partnerships and product development strategies with government and private institutions, it seeks to enhance its scientific and technical capabilities, including strengthening its workforce in the textile manufacturing process i.e. spinning, weaving, dyeing/finishing, and garment production in the revitalization of Philippine textile industry.

Ms. Kimberly P. Viron is a registered chemist and works under DOST-PTRI focusing on textile research, colorant, printing, and formulation development for textile finishing applications.

Description of the Initiative/Proposal

The Philippine Natural Dyes and Colorants R&D Program champions the up conversion of Philippine natural dyes for robust and local production of sustainable natural colorants. This program further ensures the sustainability of the natural dyes value chain, from raw materials propagation, by-products utilization, and to innovative textile finishing applications. This Program is aligned with the United Nations Environment Programme (UNEP) Textile Initiative that encourages sector-wide collaboration towards sustainable and circular textile value chain.

The innovative use of natural colorants in modern textile processes allows the preservation of traditional natural dyeing in conjunction with the vibrant women-dominated handloom weaving communities, all while fostering sustainable textile practices.

Potential Collaboration:
The DOST - PTRI is open to possible partnerships on textile science research, technology, and innovation through the implementation of joint research programs, knowledge exchange, and other capacity building activities.

Website:

https://www.ptri.dost.gov.ph/
DOST – PTRI

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Naturally dyed silk yarns and fabrics using Philippine botanical plants.

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Capacity building training on natural dyes extraction and textile application with the Tuwali community in Hingyon, Ifugao, Philippines.

Integration of natural Indigo dyed cotton yarns in the production of handloom woven fabrics in Antique, Philippines.

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