

Department of Science and Technology
PHILIPPINE TEXTILE RESEARCH INSTITUTE

MAJOR PROGRAMS AND PROJECTS FOR CY 2019
 under the Rapid, Inclusive and Sustained Economic Growth

Program/Project Title	Objective	Beneficiaries	Project Duration	Project Cost (Php)	Source of Fund	Status
GREEN COLORANTS, MATERIALS AND PROCESSING TECHNOLOGIES R&D PROGRAM						
Resource Mapping and Color Profiling of Natural Dyes from the Established NatDyes Facilities	To develop a color profile of natural dyes present in the NatDyes facilities and naming system for natural dyes	Handloom weavers, designers	Jan 2018 - Dec 2019	2,582,105.00	GAA	on-going
Process Enhancement of Powdered Natural Dye using Carrier Agent	To increase production yield of powdered dye by adding carrier agents to crude extract of natural dye	Textile dyers, designers	Jan 2019 - Dec 2019	3,122,630.00	GAA	new
Pilot Scale Verification of Sequential Chemical-Enzymatic-Mechanical Pretreatment of Abaca and Pineapple Fibers	To verify on a pilot scale level the sequential pretreatment process	Natural textile fiber farmers and processors	Jan 2019 - Dec 2019	947,652.00	GAA	on-going
Comparative Evaluation of Locality-Based Textile Natural Fibers and Yarn Processing	To establish a comparative of locality-based natural fibers and textile yarn properties	Natural textile fiber farmers and processors	Jan 2019 - Dec 2019	1,113,936.00	GAA	new
Natural Textile Fiber-Based Yarns using Semi-Worsted Spinning System	To verify on a pilot scale level the semi-worsted spinning of natural fiber fiber based yarns with higher blends for textile application and to develop silk spun yarns from silk waste using semi-worsted spinning system	Natural textile fiber farmers, handloom weavers	Jan 2018 - Dec 2019	4,506,739.00	GAA	on-going

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Hybrid Cocoon Production System for Silk Development in Northern Mindanao	To establish a technology system of PTRI hybrid cocoon production for raw silk production	Sericulture farmers	Jan 2019 - Dec 2019	3,439,804.00	GAA	new
PHILIPPINE SILK S&T PROGRAM						
Genome-Based Approach Silkworm Germplasm Maintenance and Hybridization	To establish a genomic database for comprehensive gene analysis that would aid in the selection and rearing of superior silkworm breeding lines	Philippine Silk Industry	Jan 2018 - Dec 2019	1,772,000.00	GAA	on-going
Support to the Development of the Mindanao Silk through the PTRI Technology Center in Misamis Oriental	To upscale the capability of PTRI-Technology Center Misamis Oriental and reintroduce the industry of Sericulture in Mindanao	Sericulture-farmers/cocoon growers of Northern Mindanao; silk handloom weavers/silk fabric producers	Jan 2018 - Dec 2019	9,498,000.00	GAA	on-going
Support for Productivity Enhancement of Sericulture, Handloom Weaving and Natural Dyeing in Negros Occidental	To enhance the sericulture productivity, handloom weaving and natural dyeing in Negros Occidental	Sericulture-farmers of Negros Mayu of Organization for Industrial, Spiritual and Cultural Advancement (OISCA) ; OISCA weavers	Jan 2018 - Dec 2019	1,089,000.00	GAA	on-going
Revitalization of Sericulture in the Cordillera Administrative Region (CAR)	To ensure sustainable supply of quality silkworm eggs and revitalizing and sustaining the production of local silk using germplasm resources and facilities that are available in a systematic manner	Sericulture farmers and silk handloom weavers of Cordillera Administrative Region and nearby regions	Jan 2018 - Dec 2019	4,932,000.00	GAA	on-going

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SMART TEXTILE TECHNOLOGIES R&D PROGRAM						
Bench Scale Verification of Photocatalytic Multifunctional and Antimicrobial Water-Repellent Natural Fiber-Blended Textiles Finishing Technology	To verify on a bench scale the photocatalytic multifunctional and antimicrobial water-repellent finishing technology	Textile manufacturers	Jan 2019 - Dec 2019	1,892,969.00	GAA	new
TEXTILE BIO-POLYMER R&D PROGRAM						
Laboratory Scale Preparation of Regenerated Cellulose from Banana Fibers	To produce cellulose regenerated yarns in laboratory scale	Textile manufacturers	Jan 2019 - Dec 2019	1,892,969.00	GAA	new