

Department of Science and Technology
PHILIPPINE TEXTILE RESEARCH INSTITUTE

MAJOR PROGRAMS AND PROJECTS FOR CY 2018
 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 | | | | | | |
| Color Profiling of Natural Dyes from the Established NatDyes Production and Dyeing Facilities for the Development of Natural Dyes Color System - Phase I | To develop color profile of natural dyes available in the established NatDyes production hubs in Abra, Mindoro and Lake Sebu | Handloom weavers, designers | Jan 2018 - Dec 2018 | 2,582,105.00 | GAA | new |
| Exhaust Natural Dye Extraction from Selected Philippine Dye Sources for Natural Dye Powder Production | To maximize dye extraction of selected Philippine natural dye-yielding plants which uses minimum dyes and chemicals at the same time with correct shade; lower water consumption and save energy; less natural dye resources wastage and offer wider range of (medium to dark) shades | Textile dyers and allied industries | Jan 2017 - Dec 2018 | 3,122,630.00 | GAA | on-going |
| Modified Pretreatment of Indigenous Fibers for Textile Application | To develop a modified fiber pretreatment technology to improve the overall physico-mechanical properties of indigenous fiber blended yarns | Natural textile fiber farmers and processors | Jan 2018 - Dec 2018 | 947,652.00 | GAA | new |
| Pilot Scale Verification/Validation of Pretreatment of Bamboo Fiber | To assess the commercial applicability of the pretreatment technology for bamboo fiber and to establish a competitive pretreatment process for bamboo fiber | Natural textile fiber farmers and processors | Jan 2018 - Dec 2018 | 1,113,936.00 | GAA | new |

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| Development of Indigenous Fiber-Based Yarn with Higher Bleds using Worsted Spinning System | To develop indigenous fiber based yarns with higher blends using the worsted system of spinning for textile application | Natural textile fiber farmers, handloom weavers | Jan 2018 - Dec 2018 | 4,506,739.00 | GAA | new |
| Revitalization of Silk Industry in Northern Mindanao | To revitalize silk industry that will complement the manufacture of Philippine silk fabrics for local and international markets | Silk weaving industries | Jan 2016 - Dec 2018 | 3,439,804.00 | GAA | on-going |
| 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 2018 | 3,008,000.00 | GAA | new |
| 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 2018 | 12,812,000.00 | GAA | new |
| 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 2018 | 6,515,000.00 | GAA | new |
| 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 2018 | 10,618,000.00 | GAA | new |

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| SMART TEXTILE TECHNOLOGIES R&D PROGRAM | | | | | | |
| Anti-Static Finishing Technology for Silk and Poly-Blended Indigenous Textiles | To develop a durable anti-static finishing technology on silk and poly-based textiles using crosslinked polymer material | Textile manufacturers | Jan 2018 - Dec 2018 | 1,892,969.00 | GAA | new |
| TECHNOLOGY TRANSFER AND PROMOTION PROGRAM | | | | | | |
| Technology Transfer and Commercialization of PTRI Technologies | To develop and enhance the competitiveness of local MSMEs including state colleges and universities offering textile and garment technology-related courses by providing appropriate technologies and substantial support in terms of manpower skills and development | | Jan 2018 - Dec 2018 | 3,559,107.00 | GAA | continuing |
| PTRI Knowledge Products Development and Promotion | To intensify public awareness and appreciation of PTRI technologies, research activities, and other technical services through the development of knowledge products and conduct of promotional activities reinforcing the Institute's core themes and key messages | | Jan 2018 - Dec 2018 | 3,613,607.00 | GAA | continuing |
| TECHNICAL S&T SERVICES PROGRAM | | | | | | |
| Physical and Chemical & Microscopical Quality Testing of Textiles and Allied Products | To provide quality and prompt physical, chemical and microscopical testing services to the textile, garment and allied industries and to various PTRI projects in support to R&D and S&T services | | Jan 2018 - Dec 2018 | 7,518,469.00 | GAA | continuing |
| Textile Processing and Technology Services | To provide technical support to MSMEs involved in the manufacture of garments, textile and allied products using various types of raw fibers (100% or blended) through the development of innovative yarns and fabrics, consultancy on solution to in-plant challenges, and enhancement of product through development of weave designs and improvement of product quality | | Jan 2018 - Dec 2018 | 7,389,531.00 | GAA | continuing |
| Enhancement and Management of Information and Communication Technology Services | To provide and maintain the ICT services and implement the vision of an integrated government of ICT program | | Jan 2018 - Dec 2018 | 3,937,286.00 | GAA | continuing |