

Department of Science and Technology
PHILIPPINE TEXTILE RESEARCH INSTITUTE

MAJOR PROGRAMS AND PROJECTS FOR CY 2017
 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						
Natural Dye Textile Paints, Phase 2	To improve on the PTRI-developed natural textile paints for handwoven and knit fabrics and develop packaging for commercialization	Handloom weavers, designers	Jan 2017 - Dec 2017	1,692,163.00	GAA	on-going
Natural Dye-Based Digital Fabric Printing Ink using Sappan, Talisay and Indigo Dyes	To develop natural dye-based digital fabric printing inks for natural fiber-based fabric	Companies manufactured digitally printed textile and textile products	Jan 2017 - Dec 2017	2,220,929.00	GAA	on-going
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	3,212,732.00	GAA	on-going
Pilot Scale Verification of Modified Pretreatment Process for Pineapple Fibers	To verify and assess the commercial applicability of the modified pretreatment technology and the utilization of spent liquor for degumming pineapple fiber	Natural textile fiber farmers and processors	Jan 2017 - Dec 2017	1,770,485.00	GAA	on-going

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Verification of Integrated Indigenous Fiber Extraction and Pretreatment Process for Textile Application	To evaluate the integrated extraction and pretreatment process for pineapple fibers and evaluate the applicability and performance to banana and water hyacinth fibers	Natural textile fiber farmers and processors	Jan 2016 - Dec 2017	1,616,915.00	GAA	on-going
Verification of Sequential Chemical-Mechanical-Enzymatic Pretreatment of Abaca and Pineapple Fibers	To verify the sequential chemical-mechanical-enzymatic pretreatment process for abaca and pineapple fibers in bench scale	Textile and allied industries	Jan 2016 - Dec 2017	1,398,040.00	GAA	on-going
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 2017	2,746,778.00	GAA	on-going
Abaca Fiber-Based Nonwoven Fabrics for Car Headliner Backing	To establish an environment-friendly pretreatment process for abaca and develop cellulose fiber-based nonwoven fabrics and/or composite reinforcement for automotive interior components	Textile manufacturers	Jan 2017 - Dec 2017	1,350,434.00	GAA	on-going
BIONANOFIBER AND COMPOSITE TECHNOLOGIES R&D PROGRAM						
Electrospun Cellulose Acetate Nanofiber Membrane from Banana Fibers as Dermal Delivery System of Bioactive Molecules	To develop a nanofiber material made from banana cellulose acetate loaded with bioactive components for wound treatments and cosmetic applications	Textile manufacturers	Jan 2017 - Dec 2017	1,051,662.00	GAA	on-going

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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 2017 - Dec 2017	1,382,777.00	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 2017 - Dec 2017	1,406,277.00	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 2017 - Dec 2017	8,591,040.00	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 2017 - Dec 2017	6,307,335.00	GAA	continuing
Enhancement and Management of Information and	To provide and maintain the ICT services and implement the vision of an integrated government of ICT program		Jan 2017 - Dec 2017	1,783,995.00	GAA	continuing