

Department of Science and Technology  
**PHILIPPINE TEXTILE RESEARCH INSTITUTE**

**MAJOR PROGRAMS AND PROJECTS  
CY 2015**

Program/Project Title	Objective	Beneficiaries	Duration	Project Cost (Php)	Source of Fund	Status
<b>Green Colorants, Materials and Processing R&amp;D Program</b>						
Aqueous and Oil-Based Pigment Formulations from Annatto, Talisay and Guava	To develop aqueous and oil-based pigment formulations from annatto, talisay and guava dye powders	Textile dyeing and silkscreen/digital printing industries	Jan 2015 - Dec 2015	1,590,034.00	GAA	new
Fancy Yarns using Polyester-Pineapple and Silk Yarns	To develop fancy yarns using polyester/pineapple and fine silk	Textile and garment manufacturer	Jan 2015 - Dec 2015	1,072,652.00	GAA	new
Light and Crepe Philippine Silk Fabrics using Super Fine Denier Silk Yarns from PTRI Silkworm Breeds	To develop light and crepe Philippine silk fabrics using super fine denier silk yarns	Textile, garment and allied industries	Jan 2015 - Dec 2015	1,589,563.00	GAA	new
Extraction and Characterization of Fibers from Philippine Bamboo	To determine the potential Philippine bamboo varieties as textile fiber source	Bamboo growers and farmers Textile manufacturer	Jan 2015 - Dec 2016	1,721,698.00	GAA	new
Semi-commercial Production of Water Hyacinth Textile	To verify on a semi-commercial scale the pretreatment, yarn processing and fabric production of water hyacinth for apparels	Textile and garment manufacturers	Jan 2015 - Dec 2015	1,841,403.00	GAA	new
New Silkworm Hybrids from Parent Silkworm Breeds	To evaluate the cocoon and raw silk properties of eight hybrids crossbred from Benguet breeds which were acclimatized in Misamis Oriental conditions	Sericulture farmers	Jan 2015 - Dec 2015	2,518,213.00	GAA	new
<b>Biofunctional Materials and Textile R&amp;D Program</b>						
Conducting Indigenous/Polyester-Blended Textiles	To develop conducting indigenous/polyester textiles that would serve as enclosure for reactive compounds and ensure even heat distribution	Textile manufacturers (finishing mills)	Jan 2015 - Dec 2015	1,615,222.00	GAA	new
Functional Polyester-Based Textiles from Recycled PET Bottles	To develop functional polyester-based textiles from recycled PET bottles	Textile manufacturers (weaving and knitting mills)	Jan 2015 - Dec 2015	1,316,552.00	GAA	new

<b>Bionanofiber and Composites Textile R&amp;D Program</b>						
Electrospun Bionanotextile from Pineapple and Banana Cellulose Acetate Composite as Scaffold for Skin Tissue Engineering	To develop an emerging technology on biomedical engineering based on locally produced textile material		Jan 2015 - Dec 2016	1,410,564.00	GAA	new
<b>Technology Transfer and Promotion Program</b>						
Transfer and Commercialization of PTRI Technologies	This is a continuing projects that aims 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 2015 - Dec 2015	1,581,031.00	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 2015 - Dec 2015	1,681,114.00	GAA	continuing
<b>Technical Services Program</b>						
Chemical and Microscopical Quality Testing of Textiles and Allied Products	To provide quality and prompt 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 2015 - Dec 2015	3,487,893.00	GAA	continuing
Physical Quality Testing of Textiles and Allied Products	To provide quality and prompt physical testing services to the textile, garment and allied industries, and to various PTRI projects in support to R&D and S&T services		Jan 2015 - Dec 2015	2,990,585.00	GAA	continuing
Textile Processing and Technology Services	To provide technical support to MSMEs involved in the manufacture of garments, textile and allied products on small scale processing, consultancy on solution to in-plant problems, and enhancement of product through development of weave designs and improvement of product quality		Jan 2015 - Dec 2015	6,649,395.00	GAA	continuing
Enhancement and Management of Information and Communication Technology Services	To maintain and enhance the ICT services of the Institute and implement the vision of an integrated government ICT program		Jan 2015 - Dec 2015	2,085,108.00	GAA	continuing