

Department of Science and Technology
PHILIPPINE TEXTILE RESEARCH INSTITUTE

MAJOR PROGRAMS AND PROJECTS FOR FY 2016
 under the Rapid, Inclusive and Sustained Economic Growth

Programs/Project Title	Objective	Beneficiaries	Project Duration	Project Cost (Php)	Source of Fund	Status
Green Colorants, Materials and Processing Technology R&D Program						
Enhancement in Philippine Indigo Natural Dyeing Technology through the Use of α -Hydroxyketone as Alternative Reducing Agents	To evaluate the reduction efficiency in indigo dyeing using glucose, hydroxyacetone, 3-hydroxy-2butanone and their combination	Textile and allied industries	Jan 2016 - Dec 2016	1,600,203.00	GAA	on-going
Integrated Extraction and Degumming Process for Indigenous Fibers for Textile Application	To improve the productivity of the extraction and degumming process using the modified machines for pineapple fibers	Natural fiber farmers and processors	Jan 2016 - Dec 2016	1,480,539.00	GAA	on-going
Sequential Chemical-Mechanical-Enzymatic Pretreatment of Abaca and Pineapple Fibers	To investigate the efficiency of incorporating chemical-mechanical-enzymatic pretreatment process for natural fibers	Textile and allied industries	Apr 2016 - Dec 2016	1,340,916.00	GAA	on-going
Spinning Performance of Philippine Bamboo Fibers	To establish spinning parameters and settings for pure bamboo or blended yarns	Bamboo growers and farmers Textile manufacturers	Jan 2015 - Dec 2016	1,304,948.00	GAA	on-going
Nonwoven Acoustic Wall Fabrics from Abaca	To diversify the application of natural fiber-based nonwovens for acoustic application	Textile manufacturers	Jan 2016 - Dec 2016	1,220,965.00	GAA	on-going
Revitalization of Silk Industry in Northern Mindanao	To produce substantial volume of cocoons that will support silk yarn requirement of the Aklan, Lumban, Taal and other communities towards increased material production	Silk weaving industries	Jan 2016 - Dec 2017	2,537,363.00	GAA	on-going

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Nanofunctional and Nanocomposite Finishing Technologies R&D Program						
Upscale Verification of Water-Repellent Finishing Technology for Natural Fiber-Blended Textiles	To verify on the pilot-scale the water-repellent finishing technology	Textile finishing mills	Jan 2016 - Dec 2016	2,021,269.00	GAA	on-going
Bionanofiber and Composite Technologies R&D Program						
Electrospun Bionanotextile from Banana Cellulose Acetate Composite as Scaffold for Skin Tissue Engineering	To further establish the biocompatibility aspect of the electrospun material. It will employ in vivo biocompatibility test using animal model for implantation followed by histological analysis		Jan 2016 - Dec 2016	1,270,735.00	GAA	on-going
Technology Transfer and Promotion Program						
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 2016 - Dec 2016	1,364,495.00	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 2016 - Dec 2016	1,562,863.00	GAA	continuing
Technical Services Program						
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 2016 - Dec 2016	3,002,585.00	GAA	continuing
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 2016 - Dec 2016	3,499,893.00	GAA	continuing

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Textile Processing and Technology Services	To provide technical support to MSMEs involved in the manufacture of textile, garments and allied products on small scale processing, render consultancy on in-plant problems and enhancement of product through product quality improvement and weave designs development		Jan 2016 - Dec 2016	6,108,876.00	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 2016 - Dec 2016	1,616,750.00	GAA	continuing