

## RESEARCH PROJECTS (2009-10)

### MAIN INSTITUTE

#### A. CSB FUNDED PROJECTS

Host plant Breeding & Genetics	
PIB- 4673	<p>Improvement of host plants of tasar silkworm through induction of polyploidy and mutagenesis (Apr. 2007 – Mar. 2010)</p> <p><b>[ Project Leader – Ms. Shova Beck]</b></p>
PIP- 4678	<p>Morpho-Physio-Anatomical characterization of <i>Terminalia</i> spp. (Apr. 2007 – Mar. 2012)</p> <p><b>[Project Leader – Dr. Rajendra Kumar]</b></p>
PIB- 4686	<p>Studies on various provenances of <i>Terminalia arjuna</i> Bedd. and <i>T.tomentosa</i> W&amp;A (Aug. 2008 – July 2011)</p> <p><b>[ Project Leader – Sri. I. Hembrom]</b></p>
Tissue Culture	
PIP-4666	<p>Standardization of micropropagation protocols for elite genotypes of primary tasar food plants (<i>Terminalia Tomentosa</i> W&amp;A and <i>Shorea Robusta</i> G) ( Apr. 2006 – Mar. 2011)</p> <p><b>[ Project Leader – Dr. Jyotsana Tirkey]</b></p>
PPA- 4679	<p>Studies on the regeneration system for certain genotypes of primary tasar food plants (<i>Terminalia arjuna</i>, <i>T. tomentosa</i> and <i>Shorea robusta</i>) (Apr. 2007 – Mar. 2010)</p> <p><b>[Project Leader – Dr. P.K. Tewary]</b></p>
Soil Science & Chemistry	
PPS- 4664	<p>Studies on the deficiency symptoms of essential plant nutrients in <i>Terminalia arjuna</i> and <i>Terminalia tomentosa</i> (Apr. 2006 – Mar. 2010)</p> <p><b>[ Project Leader – Sri. Jagdeesh Prasad]</b></p>
PPS- 4665	<p>Effect of secondary nutrients on quality and leaf yield of <i>Terminalia arjuna</i> and <i>T. tomentosa</i> (Apr. 2006 – Mar. 2011)</p> <p><b>[ Project Leader – Dr. U.S.P.Sinha]</b></p>

<b>Agronomy</b>	
<b>PPA- 4685</b>	<b>Development of pruning and fertilization package for tasar Chawki garden under two crop System</b> (Jan. 2009 – Dec. 2010)  [ <b>Project Leader – Dr. Ram Kumar</b> ]
<b>Plant Pathology</b>	
<b>PRP-4667</b>	<b>Screening of the germplasm of <i>Terminalia arjuna</i> Bedd. &amp; <i>T. tomentosa</i> W.A. for tolerance against three major foliar diseases</b> (July 2006 - June 2009)  [ <b>Project Leader – Dr. Gargi</b> ]
<b>Silkworm Physiology</b>	
<b>AIP- 4659</b>	<b>Effect of temperature on diapause status and adult eclosion in tasar silkworm <i>A.mylitta</i> D.(Lepidoptera:Saturniidae)</b> (Apr. 2005 - July 2009)  [ <b>Project Leader – Dr.P.K.Mishra</b> ]
<b>Silkworm Seed &amp; Rearing Technology</b>	
<b>APR- 4652</b>	<b>Studies on determination of development and accumulative temperature for synchronization of emergence and hatching in <i>Antheraea mylitta</i> D.</b> ( July 2005 – Oct. 2009)  [ <b>Project Leader – Dr. S.S. Rath</b> ]
<b>Post Cocoon technology</b>	
<b>CFC- 4688</b>	<b>Development of Protocol for Production of Organic Tasar Silk Textiles and Exploration for Its Marketability</b> (Oct. 2008 – Sept. 2010)  [ <b>Project Leader – Sri Z.M.S.Khan</b> ]