

List of ongoing research projects reviewed during 2009

RFRI, Jorhat

Sl. No.	Project title	Name of PI	Total outlay (Rs. in lakhs)	Project period	Date of Start
PLAN PROJECTS					
1.	Macro and micro propagation of selected germplasm (clones) of <i>Dipterocarpus retusus</i> Bl. Syn <i>D. macrocarpus</i>	Dr. Papori Sharma	4.25	3 years	April 2007
2.	Improvement of Agar/ Agarwood in <i>Aquilaria malaccensis</i>				
	Sub project-I Survey and Selection of Desirable Genotype of <i>Aquilaria malaccensis</i> Roxb. and Establishment of their Field Gene Bank	Dr. Papori Sharma	3.45	3 years	April 2007
	Sub project - II <i>In vitro</i> induction of essential oil components of " <i>Aquilaria malaccensis</i> "	Satyam Bordoloi	3.80	3 years	April 2007
	Sub project-III Clonal multiplication of <i>Aquilaria malaccensis</i> Roxb. through <i>in vitro</i> culture including hardening and out planting	Dr. Papori Sharma	3.82	3 years	April 2007
	Sub-project IV: Evaluation of insecticidal properties of some plants extracts against <i>Heortia vitessoides</i> Moore (Lep:Pyralidae), a major pest of (<i>Aquilaria malaccensis</i> L	Dr.(Mrs). Nizara D Barthakur	4.93		April 2007
3.	Development of an efficient technique for <i>in vitro</i> clonal propagation of superior clones of <i>Bambusa tulda</i> .	Satyam Bordoloi	4.15	3 years	April 2007
4.	Clonal propagation of superior <i>Dendrocalamus hamiltoni</i> germplasm through <i>in vitro</i> techniques	Satyam Bordoloi	10.566	3 years	April 2009
5.	Genetic improvement of <i>Acacia mangium</i> for growth characteristics, pulp and timber quality	Tara Chand	3.45	3 years	April 2007
6.	Study of Reproductive Biology and Seed Production in Clonal Seed Orchard of <i>Gmelina arborea</i> .	Tara Chand	4.55	3 years	April 2007
7.	Seed production potential, seed and seedling quality of planting stock in seedling seed orchards of <i>Dipterocarpus retusus</i> Syn <i>D. macrocarpus</i>	Tara Chand	3.75	2 years	April 2008
8.	Genetic evaluation of bamboo germplasm in RFRI germplasm bank	Dr. Tara Chand	6.76	2 years	April. 2009
9.	Documentation of Baseline Information and Restoration of Selected Stress Sites under	Dr. Vishavjit Kumar	8.32	3 years	April 2007

	Shifting Cultivation through Agroforestry in North East India				
	Sub-project - I: Documentation of Baseline Information on Shifting Cultivation in Northeast India	Dr. Vishavjit Kumar			
	Sub-project - II: Restoration of Jhum Lands through intercropping <i>Rhizobium</i> inoculated legume trees with agricultural crops in Assam	PI- Dr. (Mrs.) I. P. Bora	7.81	3 years	
10.	Improvement of degraded shifting cultivation lands through introduction of <i>Thysanolaena maxima</i> (Broom grass) alongwith <i>Cajanas cajan</i> as N ₂ fixing plant	Dr (Mrs) Indrani P Bora	1.50	3 years	July 2006
11.	Rehabilitation of degraded jhum land through potential bamboo species with reference to carbon sequestration and livelihood development.	Dr.(Mrs). Indrani P Bora	16.12	5 years	April 2009
12.	Appraisal of tree crop association pattern in selected Jhum areas of NE Region for efficient land use under agroforestry.	Pawan K. Kaushik	2.71	1 year	April 2008
13.	Assessment of rattan diversity and conservation strategy with reference to Assam	H.R. Bora	4.15	3 years	April 2007
14.	Ecological assessment of medicinal plants in Nambor Reserve Forest and their socio-economic impact on fringe villagers.	Alok Yadav	6.40	3 years	April 2008
15.	Establishment of GIS laboratory for systematic creation, management and up-gradation of GIS based forest-database of North-east India. (ICFRE Code Number	Dhruba Jyoti Das	9.915	3 years	April 2007
16.	Assessment of phytodiversity dynamics for conservation in Jeypore Reserve Forest.	Dr. Ranjeet Kumar	15.63		April 2009
17.	Investigations on ecology of Mimosa invasion in Kaziranga National Park, Assam	Sri N. K Vasu	15.00	3 years	April 2009
18.	A study on the biodiversity of the plant resources of the patch vegetations around rural homestead in Jorhat district, Assam and its role in socio-economy of the villagers.	D Dutta	4.81	3 years	April 2008
19.	Studies on phyto-proteins from selected plant/s of Northeast region for the production of Protein Concentrates with greater food value.	Dr. Vikas Rana	14.81	3 Years	April 2009
20.	Exploration and documentation of indigenous knowledge of Phyto-resources among <i>Mishing</i> tribe of Assam.	Dr T. C. Bhuyan	6.05	2 years	April 2008
21.	Investigation on propagation and cultivation of selected Rattan species.	Dr T. C. Bhuyan	1.50	3 years	April 2006

22.	Carbon sink and fertility status relation of soil under different land use system of some States of NE India	Dr P K Das	5.55	3 Years	April 2009
23.	Utilization of Vesicular Arbuscular Mycorrhizal Diversity for Quality Stock production of some useful Forest plant/species of Nongkhyllem Reserve Forest, Nongpoh, Meghalaya, India	Dr. Vipin Parkash	14.64		April 2009
24.	Diversity of mycorrhizal associations with <i>Dipterocarpus</i> and <i>Shorea</i> species in Assam	Dr. Ashwani Tapwal	4.88		April 2009
25.	Impact of climate change on litter microbial dynamics in Dipterocarp forest	Rajesh Kumar	8.35		April 2008
26.	Comparative studies on natural resistance of bamboos to biodegradation in Assam	Dhruba Gurung	2.19	3 years	July 2005
27.	Comparative studies on optimum treatment time and durability test of commercially important bamboo species of Northern Region.	Shri Dhruba Gurung	4.12		April 2009
28.	Studies on the incidence and management of culm rot and bamboo blight disease in Assam.	Dr. R. K. Borah	9.70	3 years	April 2009
29.	Standardization of Inoculation Technique for Agarwood formation in <i>Aquilaria malaccensis</i> Lamk.	Dr. R. K. Borah	9.96	5 years	April 2009
30.	Investigations on the formation of agar wood in <i>Aquilaria malaccensis</i> Lamk.	Dr. R. K. Borah	1.20	3 years	April 2006
31.	Diversity and dynamics of Arbuscular Mycorrhizal fungi and their influence on biomass production of some medicinal and aromatic plants of Assam	Sh. R. K. Kalita	2.64	3.5 years	April 2005
32.	Conservation of superior germplasm of commercially significant Bamboo and Rattans species of Mizoram	Lalnunsanga Khawlhing	6.80	3 Yrs.	April 2009
33.	Assessment of Rattan diversity and conservation strategy in respect of Mizoram, Tripura and Barak Valley of Assam	K. Kar	12.70	3 yrs	April 2009

EXTERNALLY AIDED PROJECTS

1.	Sustainable development of quality bamboo resource for employment generation and socio-economic development in NE India National Bamboo Mission, New Delhi Sub-project-I- Development of suitable agro forestry models for promoting bamboo cultivation outside forests in NE region	Dr Y. C Tripathi	36.25	3 years	March 2008
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2.	Sustainable development of quality bamboo resource for employment generation and socio-economic development in NE India) <u>Sub-project-II - Development of clump management practices for economically important bamboo species for enhanced production of quality culms and edible shoots</u> PC: Dr T.C. Bhuyan	Dr T.C. Bhuyan	6.36	3 years	March 2008
3.	Validation, testing and locational trials of micro/macro propagated planting stock of selected bamboo species in Northeast India. DBT	Dr. Y.C. Tripathi Dr. Vikas Rana	80.79	5 years	Dec. 2004
4.	Biological Control of <i>Mimosa invisa</i> Mart., A Destructive Alien Weed Threatening Kaziranga National Park (Grasslands) MoEF	Dr. R. K. Kalita	9.15	3 years	June 2006
5.	Sustained capacity enhancement of economically backward scheduled tribes of north eastern region through composite R & D technologies. DST	Sh. D.K.Banerjee	11.67	3 years	August 2006
6.	Mapping and Quantitative Assessment of Geographic Distribution and Population Status of Plant Resources of Eastern Himalayan Region Funding agency: DBT	Dhruba Jyoti Das	18.00	4 years	Oct. 2006
7.	Genetic improvement and conservation of genetic resources of some economically more important bamboo species of Northeastern India. MoEF	Dr. Y.C. Tripathi	100.00	3 years	Oct. 2006
8.	Assessment of land use system on jhum land investigation of production related parameters	Pawan K. Kaushik	10.28		Jan. 2009
9.	Biodiversity studies of Orthoptera in Kaziranga National Park MoEF	Dr. (Mrs). Nizara D Barthakur	6.35		April 2006
10.	On-farm innovation in macroproliferation technique and promotion for commercial plantation of edible bamboo shoot species NABARD	Sh. P.K Kaushik	3.50		April 2008

Abstract:		
i.	ICFRE Funded projects	33
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ii.	Externally Funded projects -	10
	Total -	43