

**Summary of Approved Plan Projects of the
Institutes of ICFRE for the year 2011-12**

Name of the Institute	Projects approved in April 2011 by RPC		Projects approved after revisit	
	No.	Rs. Lakhs	No.	Rs. Lakhs
FRI, Dehradun	40	419.09	36	343.63
IWST, Bangalore	25	302.69	19	231.21
TFRI, Jabalpur	10	101.28	10	101.28
IFP, Ranchi	10	153.41	8	126.14
IFGTB, Coimbatore	15	302.81	11	182.99
HFRI, Shimla	4	59.39	4	59.39
RFRI, Jorhat	6	106.63	5	66.40
AFRI, Jodhpur	8	156.86	5	86.96
Total	118	1602.18	98	1198.00

Details of the Approved Plan projects of the Institute of ICFRE for the year 2011-12

Institute: FRI, Dehradun						
Sl. No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Evaluation of wood properties and growth performance of Eucalyptus hybrids raised in multi-location trials.	Dr. P. K. Pandey	Forest genetics resource management & Tree improvement	Tree improvement	2011-2014	11.7
2	Application of defects detection technique on standing trees.	Dr. Y. M. Dubey	Managing forests & forest products for livelihood support	Wood processing	2011-2014	1.88
3	Evaluation of <i>Sesbania grandiflora</i> and <i>Lannea coromandilica</i> for paper making.	Dr. S.P. Singh	Managing forests & forest products for livelihood support	Pulp & paper	2011-2014	5.59
4	Studies on the suitability of different combinations of plantation grown species for laminated veneer lumber (LVL)	Shri D.P. Khali	Managing forests & forest products for livelihood support	Wood & other lignocellulosic composites	2011-2013	4.97
5	Diversification of Hill Agriculture through Integration of medicinal/aromatic Plants for Livelihood Improvement in Garhwal Himalayas	Dr. Vishavjit Kumar	Managing forests & forest products for livelihood support	Resource development of NWFPs	2011-2013	3.80
6	Bioecology and management of the gall insect in Eucalyptus AICP under the umbrella of IFGTB	Dr. Shamila Kaliya	Managing forests & forest products for livelihood support	Insect pest disease & control	2011-2014	8.66
7	Development of molecular diagnostic kits for identification and early detection of nursery and plantation pathogens	Shri. Amit Pandey	Managing forests & forest products for livelihood support	Insect pest disease & control	2011-2014	12.53

	of Eucalyptus					
8	Evaluation of <i>Bombax ceiba</i> for Seed Sources in Northern India.	Dr. Dinesh Kumar	Forest genetics resource management & Tree improvement	Tree improvement	2011-2015	13.39
9	Phytochemical screening of selected wild edible plants for exploration of new sources of Luteolin	Dr. Y.C. Tripathi	Managing forests & forest products for livelihood support	Chemistry of NWFPs, Value addition & Utilization.	2011-2014	8.65
10	Assessment of Soil Quality Indicators for growing different Plantations in Uttarkashi District	Dr. C. M. Mathavan	Biodiversity conservation & management	Forests soil & land reclamation	2011-2014	6.66
11	Evaluation of different genotypes of eucalypts	Dr. Praveen	Forest genetics resource management & Tree improvement	Tree improvement	2011-2014	13.020
12	Carbon footprint mapping of FRI, Dehradun.	Shri T. Johri	Forests & Climate change	Climate change	2011-2013	7.5
13	Development of Enrichment Techniques for selected Medicinal Plant Conservation Areas of Uttarakhand	Dr. Vishavjit Kumar	Managing forests & forest products for livelihood support	Resource development of NWFPs	2011-2016	7.35
14	Development of Agroforestry Model in degraded land of Punjab and Utrakhand	Shri Ram Bir Singh	Managing forests & forest products for livelihood support	Social forestry, agro-forestry & Farm forestry	2011-2016	9.83
15	Assessment of soil microbial community and soil quality under poplar and eucalyptus plantations in Haryana	Dr. Parul Bhatt Kotiyal	Managing forests & forest products for livelihood support	Mycorrhizae, rhizobia & other useful microbes	2011-2014	9.06
16	Chemical modification of wood for durability improvements.	Shri. Ajmal Samani	Managing forests & forest products for livelihood support	Value addition & utilization	2011-2014	6.66
17	Enzyme aided alternative process for	Dr. Rashmi	Managing forests & forest	Chemistry of NWFPs, Value	2011-2014	5.97

	the extraction of oil from <i>Cymbopogon 4itrates</i> (lemon grass).		products for livelihood support	addition & Utilization.		
18	Screening of some forest tree species for their antioxidant properties.	Dr. V.K. Varshney	Managing forests & forest products for livelihood support	Chemistry of NWFPs, Value addition & Utilization.	2011-2014	2.5
19	Process refinement for extraction of quality fiber and optimal isolation of bioactive constituents from Agave sisalana	Dr. Y.C. Tripathi	Managing forests & forest products for livelihood support	Chemistry of NWFPs, Value addition & Utilization.	2011-2014	8.4
20	To study the market mechanism & Trade of Wood of <i>Ailanthus excelsa</i> , and <i>Melia spp</i> wood in Haryana, Punjab, & western Uttar Pradesh.	Shri H.P. Singh	Managing forests & forest products for livelihood support	Insect pest disease & control	2011-2013	6.64
21	Study of Drying stresses in wood during seasoning through non-destructive method	Shailendra Kumar	Managing forests & forest products for livelihood support	Wood processing	2011-2013	0.56
22	Development of Category Shades of Natural Dyes of <i>Pinus roxburghii</i> and <i>Mallotus philippensis</i>	Shri Rakesh Kumar	Managing forests & forest products for livelihood support	Chemistry of NWFPs, Value addition & Utilization.	2011-2013	4.00
23	<i>Screening of Poplar genotypes for resistance against Alternaria alternata Toxin (s)</i>	Dr. Y.P. Singh	Managing forests & forest products for livelihood support	Insect pest disease & control	2011-2014	8.06
24	Studies on the suitability of paper mulberry for plywood.	D.P. Khali	Managing forests & forest products for livelihood support	Wood & other lignocellulosic composites	2011-2014	4.77
25	Evaluation of Santalum album grown in plateau area of Uttar Pradesh adjoining Madhya	Rakesh Kumar	Managing forests & forest products for livelihood support	Chemistry of NWFPs, Value addition & Utilization.	2011-2014	3.90

	Pradesh and Uttarakhand for yield, quality and composition of essential oil.					
26	Population Genetic Analysis of Himalayan Banj Oak (<i>Quercus leucotrichophora</i>) forests and its pertinence to Genetic Conservation	Dr. H.S. Ginwal	Forest genetics resource management & Tree improvement	Conservation of forest genetic resources	2011-2014	29.45
27	Ecological study of watershed in Mussoorie hills of Dehradun	Nirmal Ram	Forests & Climate change	Ecology & environment	2011-2014	4.86
28	Conservation and Culti-vation of Economically Valuable Lesser Known/Less Utilized Fruits Tree Species and to Determine Possible Chemical Components present in Fruits	Anita Tomar	Forest genetics resource management & Tree improvement	Conservation of forest genetic resources	2011-2014	6.85
29	Evaluation of Potentials and Constraints of Agroforestry Development in Punjab, Haryana and Tarai areas of Uttarakhand based on Econometric Analysis.	Shri Jawaid Ashraf	Managing forests & forest products for livelihood support	Forest economics	2011-2013	4.97
30	Studies on thrips of forests & medicinal plants, problems caused by them & their management in uttarakhand.	Dr. Neena Chauhan	Managing forests & forest products for livelihood support	Resource development of NWFPs	2011-2015	9.00
31	Characterization of <i>Pinus roxburghii</i> for resin yield and spiral	Dr. Santan Barthwal	Forest genetics resource management & Tree	Tree improvement	2011-2014	24.87

	grain formation in wood using NIR spectroscopic methods and association studies using molecular markers		improvement			
32	To develop macro-proliferation techniques of <i>Desmodium gangeticum</i> DC. and to find its reproductive capacity.	Anita Tomar	Forest genetics resource management & Tree improvement	Vegetative propagation	2011-2013	5.00
33	Genetic evaluation of <i>Grewia optiva</i> and establishment of germplasm bank of <i>Bauhinia variegata</i>	Dr Shilpa Gautam	Forest genetics resource management & Tree improvement	Tree improvement	2011-2015	15.24
34	Allelopathic potential in regeneration of <i>Sal (Shorea robusta)</i> forests	Dr. Ombir Singh	Managing forests & forest products for livelihood support	silviculture	2011-2016	13.43
35	Evaluation of joint forest management practices in India	Shri. Deepak Mishra	Managing forests & forest products for livelihood support	Forest economics	2011-2014	36.81
36	Study on status of agro-forestry system existing in Punjab, Haryana & north – west region of Uttar Pradesh	Smt. Jayshree Ardey Chauhan	Managing forests & forest products for livelihood support	Social forestry, agro-forestry & Farm forestry	2011-2014	17.10
Total no. of projects approved = 36			Total = 343. 63			

Institute: IWST, Bangalore

Sl.No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Growth variability in <i>Melia dubia</i> plantations and seed germination studies.	Dr. A.N. Arun Kumar	Management and improvement of forest genetic resources	Tree Improvement	2011-2016	7.20
2	Production of Synthetic Biodiesel	R. Ezhumalai	Managing forestry and	Biofuels and	2011-2014	15.50

	from the Wood Waste.		forest products for livelihood security	bioenergy		
3	Study the effect of microwave based heating and seed storage conditions on quality of <i>Pongamia pinnata</i> (L.) seed oil for cost effective production of biodiesel.	Ritesh Kumar D. Ram	Managing forestry and forest products for livelihood security	Biofuels and bioenergy	2011-2014	15.98
4	Development of coccinellids based biocontrol programmes for the management of sandal scales and mealy bugs.	Dr. R. Sundararaj	Managing forestry and forest products for livelihood security	Insect pest, diseases and control	2011-2015	11.91
5	Molecular assessment of breeding patterns in clonal seed orchards of Teak in Andhra Pradesh.	Dr. S. Pattanaik	Management and improvement of forest genetic resources	Tree Improvement	2011-2014	26
6	Structure, diversity and regeneration studies in permanent preservation plots in moist deciduous and evergreen forests of Western Ghats in Karnataka.	Dr. Syam Viswanath	Biodiversity conservation and ecological security	Ecology and Environment	2011-2014	14.31
7	Natural fiber-PVC composites for light structural applications.	Dr. Pankaj K. Aggarwal	Managing forestry and forest products for livelihood security	Wood and other Lignocellulosic composites	2011-2014	22.61
8	Development of botanical pesticidal formulations and demonstration of application in forest nurseries and plantations.	Dr. O.K. Remadevi	Managing forestry and forest products for livelihood security	Insect pest, diseases and control	2011-2014	11.50
9	Evaluation of strength properties of Finger joints of <i>A. auriculae-formis</i> A. Cunn. ex Benth of different ages for various end uses.	N.C.M. Rajan	Managing forestry and forest products for livelihood security	Value addition and Utilization	2011-2013	3.50
10	Establishment and evaluation of	Dr. G.R.S. Reddy	Management and	Genetic	2011-2015	18

	multilocal trials of <i>Melia azedarach</i> L. and <i>Melia dubia</i> Cav. (Ex. M. Roem) (Phase-II).		improvement of forest genetic resources	Improvement		
11	Refinement and standardization of protocols for <i>in vitro</i> propagation and genetic fidelity studies of micro propagated plants of two bamboo species <i>Bambusa balcooa</i> and <i>Thyrsostachys oliveri</i> .	Dr. Ashutosh Srivastava	Management and improvement of forest genetic resources	Bio-technology	2011-2015	15.48
12	Nanoparticles based wood coatings for outdoor applications.	Dr. K.K. Pandey	Managing forestry and forest products for livelihood security	Value addition and Utilization	2011-2014	12.99
13	Studies on macro wood deteriogens at Kakinada port and Narsapur Greenfield port, Andhra Pradesh.	Dr. M. Balaji	Managing forestry and forest products for livelihood security	Insect pest, diseases and control	2011-2014	9.703
14	Pest and natural enemy dynamics in selected silvi-horti systems of Karnataka State.	Raja Muthukrishnan	Managing forestry and forest products for livelihood security	Insect pest, diseases and control	2011-2014	2
15	Microbial biosynthesis of poly-hydroxy alkanoates (PHA) from wood waste.	Dr. A. Muthukumar	Managing forestry and forest products for livelihood security	Insect pests, diseases and control	2011-2014	3.95
16	Development of Sandal (<i>Santalum album</i> Linn.) Information System.	V. Soundararajan,	Managing forestry and forest products for livelihood security	Information and Communication Technology	2011-2013	5
17	Vegetative propagation and silvicultural practices for selected tropical	Dr. Geeta Joshi,	Management and improvement of forest genetic	Tree Improvement and Propagation	2011-2016	24.92

	timber species for plywood and panelwood industries.		resources			
18	Furfurylation of wood to improve properties for various application.	PI: Anil Kumar Sethy	Managing forestry and forest products for livelihood security	Wood Properties and Uses	2011-2014	6.20
19	Wood quality variability in sawn timber from three plantation grown species.	PI: Dr. Shakti Singh Chauhan,	Managing forestry and forest products for livelihood security	Wood Properties and Uses	2011-2014	4.46
Total no. of projects approved = 19			Total = 231.21			

Institute: TFRI, Jabalpur

Sl.No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Studies on natural dyes from <i>Aegle marmelos</i> (Bael) and <i>Woodfordia fruticosa</i> (Dhawai) for their utilization	Shri Hari Om Saxena	Managing Forests and forest products for livelihood support	Chemistry of NWFPs, Value Addition and Utilization	2011-14	13.91
2	Preparation of value added products from some underutilized forest species. Sub-project-I- Value addition of <i>Annona squamosa</i> (Sitaphal) and skill upgradation training to Tribal/ Rural population.	Dr. Vishakha Kumbhare	Managing Forests and forest products for livelihood support	Resource Development f NWFPs	2011-13	5.75
3	Evaluation of non edible oil seeds for development of surfactants and their utilization in pest management.	Smt. Neelu Singh	Managing Forests and forest products for livelihood support	Chemistry of NWFPs, Value Addition & Utilization	2011-2014	15.41
4	Biocontrol potential of native isolates of entomopathogenic nematodes for the	Dr. N. Kulkarni	Managing Forests and forest products for	Insects pests, diseases and control	2011-14	9.41

	management of insect pests of teak.		livelihood support			
5	Status of sal heartwood borer, <i>Hoplocerambyx spinicornis</i> Newman and its management.	Dr. N. Roychoudhury	Managing Forests and forest products for livelihood support	Insects pests, diseases and control	2011-16	14.02
6	Field evaluation of indigenous species of <i>Trichogramma</i> against teak skeletonizer <i>Eutectona machaeralis</i> .	Dr. P.B. Meshram	Biodiversity conservation and ecological security	Mycorrhizae, rhizobia and other useful microbes	2011-14	9.51
7	Potential pathogens and insects responsible for the low seed production in teak seed orchards and their management.	Dr. V.S. Dadwal	Managing Forests and forest products for livelihood support	Insects pests, diseases and control	2011-14	7.05
8	Studies on assessment of genetic diversity and structure of <i>Boswellia serrata</i> Roxb. populations through RAPD and ISSR molecular markers.	Dr. S. A. Ansari	Management and improvement of forest genetic resources	Conservation of Forest Genetic Resources	2011-14	13.41
9	Monitoring the impact of climate variables on plant diversity in Bhimashankar permanent preservation plot of Sub tropical hill forest of Maharashtra.	Dr. P.K. Khatri	Forestry interventions for climate change mitigation and adaptation	Biodiversity	2011-14	7.81
10	Chemo-profiling of some Dasmoola species (<i>Uraria picta</i> , <i>Solanum indicum</i> and <i>Solanum xanthocarpum</i>) in Madhya Pradesh.	Shri Hari Om Saxena	Managing Forests and forest products for livelihood support	Chemistry of NWFPs, Value Addition and Utilization	2011-14	5.00

		Total No. of Projects = 10	Total: 101.28			
Institute: IFP, Ranchi						
Sl.No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (` in lakhs)
1	Multilocational trial on clones of Eucalyptus sps. in different Agro-climatic zone of Bihar State	Sh. B. K. Mishra, DCF	Managing Forest and Forest Products for Livelihood support.		2011-15	26.42
2	Introduction of selected genotypes of Karanj, Kusum and Bamboo as tree components in Agroforestry models in lateritic belt of eastern India .	Dr. Animesh Sinha, Scientist - D	Managing Forest and Forest Products for Livelihood support.	Social Forestry, Agro- forestry / farm forestry	2011-15	14.995
3	Evaluation of <i>Dalbergia sissoo</i> Roxb. Clones for suitability in large scale clonal forestry in Gangetic plains and Chotanagpur Plateau	Dr. Sanjay Singh, Scientist - D	Management and improvement of Forest Genetics Resources.	Tree improvement	2011-16	29.40
4	Effects of soil nutrient management on lac production and insect pest infestation on <i>Kerria lacca</i> (kerr.) reared on <i>Flemingia</i> species.	Dr Arvind Kumar, Scientist - C	Managing Forest and Forest Products for Livelihood support.	Insect pest, Disease and control	2011-14	14.04
5	Multilocation Evaluation, studies on breeding system and Characterization of Diversity in <i>Pongamia pinnata</i> (L.) Pierre –	Dr. B. N. Divakara, Scientist - C	Management and improvement of Forest Genetics Resources.	Tree improvement	2011-14	11.485
6	Studies on pollarding and propagation in Kusum (<i>S.oleosa</i>) for lac cultivation. –	Dr. Animesh Sinha, Scientist - D	Management and improvement of Forest Genetics Resources.	Tree improvement	2011-14	10.00
7	Standardization of propagation method and germplasm conservation of	Sanjeev Kumar, Scientist - B	Management and improvement of Forest	Conservation of forest Genetic resources	2011-14	6.77

	<i>Machilus villosa</i> (Roxb.) & <i>Quercus lineata</i> : promising timber & fuel wood of North West Bengal		Genetics Resources.			
8	Survey and identification of insect pest associated with <i>Dalbergia sissoo</i> , <i>Gmelina arborea</i> and <i>Shorea robusta</i> of eastern states of India	Dr Arvind Kumar, Scientist - C	Biodiversity conservation and ecological security.	Insect pest, Disease and control		13.028
Total no. of projects = 8			Total: 126.14			

Institute: IFGTB, Coimbatore

Sl.No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Restoration ecology and species recovery studies in Tsunami impacted mangrove areas of Andamans	K. Ravichandran	Biodiversity conservation and ecological security	Ecology and Environment	2011-16	23.89
2	Development of models for conversion of plantations into secondary forests in Andaman and Nicobar islands	K. Ravichandran	Biodiversity conservation and ecological security	Ecology and Environment	2011-16	24.09
3	Selection and Screening of Germplasm of <i>Thespesia populnea</i> for Improving Productivity.	Dr Kannan C.S. Warriar	Management and improvement of forest genetics resources	Tree improvement	2011-16	19.82
4	Genetic Improvement of <i>Gmelina arborea</i> Roxb. through selection and clonal evaluation.	Mr. A. Mayavel	Management and improvement of forest genetics resources	Tree improvement	2011-16	22.71
5	Anti-insect secondary metabolites from fungal endophytes	Dr. N. Senthil kumar	Biodiversity conservation and ecological security	insect pests, diseases and control	2011-14	12.14

	of selected tree species.					
6	Selection and Evaluation of High yielding clones of <i>Pongamia pinnata</i>	Dr. K. Palanisamy	Management and improvement of forest genetics resources	Tree improvement	2011-15	18.38
7	The study of bioecology and conservation management of endemic plants of Kalakadu Mundanthurai Tiger Reserve, Tamil Nadu.	Shri.S.K.Shanmugha Sundaram	Biodiversity conservation and ecological security	Ecology and Environment	2011-15	20.00
8	Population structure, regeneration status and pollination ecology of <i>Dalbergia latifolia</i> and <i>D. sissooides</i>	Dr. K. R. Sasidharan	Biodiversity conservation and ecological security	Biodiversity	2011-16	22.26
9	An improved holistic approach for development of database on fast growing tree species targeting stakeholders in Tamilnadu and Kerala	Shri. Vivekanandan, R	Management forest and forest products for livelihood support	Value addition and Utilization	2011-14	05.00
10	A New paradigm: A study to evaluate different innovative and successful marketing strategies and its suitability for forestry products	Shri Vivekanandan, R	Management forest and forest products for livelihood support	Value addition and Utilization	2011-13	05.00
11	Response of mycorrhizae and microbial symbionts to elevated CO ₂ in commercially important tree species	Dr. A. Karthikeyan	Biodiversity conservation and ecological security	Mycorrhizae, rhizobia and other useful microbes	2011-15	09.70

	Total no. of projects = 11			Total: 182.99		
Institute: HFRI, Shimla						
Sl.No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Assessment of Carbon Stock in Coniferous Forests of Shimla Forest Circle, Himachal Pradesh.	Dr. R.K. Verma	Ecology & Biodiversity Conservation		2011-2015	24.94
2	Studies on Seed Germination and Longevity of Abies Spectabilis (D. Don) Spach – An ecologically Important Conifer Species of Higher Temperate Himalayas	Sh. Pitamber Singh Negi	Silviculture & Tree Improvement		2011-2016	15.75
3	Isozyme Variation in Natural Populations of Pinus Gerardiana Wall (Neoza Pine)..	Dr. Rajesh Sharma	Silviculture & Tree Improvement		2011-2014	13.70
4	Population Genetic Analysis of Himalayan Banj Oak (Quercus leucotrichophora) forests and its pertinence to Genetic Conservation	Dr. Rajesh Sharma	Silviculture & Tree Improvement		2011-2014	05.00
	Total no. of projects = 4			Total: 59.39		
Institute: RFRI, Jorhat						
Sl. No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Studies on the incidence and management of pine mortality in Manipur (RFRI-38/2010-	Dr. R. K. Borah	Management and improvement of forest genetic	Insect pest, disease and control	2011-14	9.67

	11/FP).		resources			
2	Studies on ecological and ethno mycological aspects of wild mushrooms of Nagaland(RFRI-39/2010-11/FP).	Dr. Ashwani Tapwal	Managing forests and forest products for livelihood support	Tribals and traditional knowledge system	2011-14	11.73
3	Molecular Characterization of <i>mimosa diplotricha</i> C. WrightSeed <i>Polysaccharide</i> (RFRI-45/2010-11/BIK)	Dr. Vikas Rana	Managing forests and forest products for livelihood support	Chemistry of NWFPs, Value addition and utilization	2011-14	14.94
4	Ecological Studies on the distribution patterns and food plant resources of butterflies along altitudinal gradients in different forest ecosystems of the Eastern Himalayas. (Arunachal Pradesh) (RFRI-36/2010-11/EB)	Dr. Arun P. Singh	Biodiversity conservation and ecological security	Biodiversity /Climate change	2011-14	14.55
5	Effect of the endomycorrhiza along with other bio-agents on biomass production, conservation and accumulation of some phytochemicals in <i>Abroma augusta</i> L.	Dr. Vipin Parkash	Biodiversity conservation and ecological security	Mycorrhiza rhizobia and other useful microbes / Silviculture	2011-14	
	Screening of endomycorrhizae and bio-agents in rhizosphere of <i>Abroma augusta</i> L. and their role in its propagation and	Dr. Vipin Parkash	Biodiversity conservation and ecological security	Mycorrhiza rhizobia and other useful microbes / Silviculture		12.81

	conservation(RFRI-42-2010-11/SFM-I) Studies on seed Biology of <i>Abroma augusta</i> L. (RFRI-42-2010-11/SFM-I)	Dr.Vipin Parkash	Biodiversity conservation& ecological security	Mycorrhiza rhizobia & other useful microbes/ silviculture		2.70
Total no. of projects = 5			Total: 66.40			

Institute: AFRI, Jodhpur

Sl. No.	Title	Name of PI of the Project	Thrust area	Theme	Duration	Budget (Rs. in lakhs)
1	Refinement of modern nursery practices for raising quality seedlings of selected important forest tree species of arid and semi arid areas.	Dr. N.K. Bohra	Management & Improvement of forest genetic resources	Forest Productivity Silviculture	2011-2016	28.066
2	Screening, Identification and preparation of a comprehensive check-list of the Lepidopteron fauna of Sasan Gir National Park of Gujarat State.	Dr. Meeta Sharma	Biodiversity, Conservation & Ecological security.	Biodiversity	2011-14	14.64
3	Carbon Stock and soil classification mapping for Rajasthan Forest.	Shri N. Bala	Forestry Intervention for climate change mitigation & adaptations.	Forests soils and land reclamation	2011-15	22.05
4	Innovative approaches for augmentation of composting and biofertilizer production in hot arid regions.	Dr. K.K. Srivastava	Biodiversity, Conservation & Ecological security.	Biodiversity	2011-13	4.0
5	Tapping the potential of some selected indigenous lesser known wild edible plants for food and nutrition in arid and semi arid region.	Dr. Mala Rathore	Managing Forests & Forest Products for livelihood support	Chemistry of NWFP, Value addition and Utilization	2011-16	18.20
Total no. of projects = 5			Total: 86.96			