Research outcome from completed projects at SHIATS, Allahabad

Principal Investigator	Title of Project	Sanctioned by	Year		Research Outcome
			Start	Completion	
Prof. Sobita Simon	Integrated Management of Endoparasitic Nematodes	UPCAR, Lucknow	2000	2003	Commercial neem products in combination with Baynate 75% controlled Fusarium wilt in chickpea and reduces the occurrence of *Meloidogyne incognita* in gram
Dr. Sunil Dwivedi	Studies on compatibility of *Beauveris bassiana* a fungal bio-pesticide with commonly used agro-chemicals	DST, New	2001	2003	*Beauveria bassiana* (1000 lt/h @ 2 $x10^8$ CFU/ml) was found effective in controlling *Helicoverpa armigera* on gram. In addition, it can be apply in combination with Bavistin, atrazine to control *Heliothis armigera*
Prof. Pramila Gupta	Studies of etiology and management of guava wilt and identification of wilt resistant root stock	UPCAR, Lucknow.	2001	2003	Reported a new pathogen for guava wilt viz. *Verticillium alboatrum* besides *Fusarium oxysporum* sp. *psidii.* The incidence of wilt was reduced by regular application of *Trichoderma* or *Aspergillus niger* alongwith FYM @ 1 kg/tree, twice in a year
Prof. D. B. Singh	Studies of etiology and management of guava wilt and identification of wilt resistant root stock	UPCAR, Lucknow	2001	2003	It is recommended that nutrient dose of NPK 360: 180 g/plant can be applied through ammonium sulphate, single super phosphate and murate of potash. Half dose of nitrogen, and full dose of phosphorus & potassium should be given in the month of July and remaining amount of nitrogen may be given in the month of September. Powdered Neem cake (5-10Kg/plant) should be applied in the month of July and October. Inter-cropping of turmeric and

					marigold has been found beneficial in the management of Guava wilt
Prof. Matthew Prasad	Development of Modified Atmosphere Containers and Packaging for transportation and extended storage of guava and mango	ICAR under NATP on CGP mode	2001	2003	Modified Atmosphere packages made of BOPP plus LDPE laminate were developed in which shelf life of fruits was found to increase up to 30 to 35 days under ambient conditions
Prof. Pramila Gupta	Scientific Validation studies on use of Traditional Herbs (mentioned in Indian Literature) as water purifiers by rural women	DST, New Delhi	2002	2003	Herbs viz. *Acacia senegi* and *Acacia catechu*, were identified. They are having potential of reducing the total and facel *E. coli* amount in water as evaluated by IMPH method. The water borne bacterial pathogens were isolated from well water were inhibited six herbs as evaluated by agar cup well and poison food technique. Water disinfectant $KMnO_4$ (2ppm) bleaching powder (2ppm) chlorine tablets (2 ppm) Alum (20 ppm) use in water purification were effective in reducing the total and facel coli amount
Prof. S. B. Agrawal	Effects of air pollution on periurban agriculture and role of nutrient status in Modifying the plants response pattern	CSIR, New Delhi	2001	2004	Allahabad city was surveyed for the solid waste management and it was observed that about 150 metric tones of solid waste are disposed without proper disposal system, which in turn is causing negative effect on plant health
Prof. S. B. Agrawal	Interactive effects of supplemental Ultra – Violet-B irradiation mineral nutrients or selected crop plants	ICAR, New Delhi	2001	2004	-
Prof. Pramila Gupta	Development of Integrated Pest Management Laboratory	UPCAR, Lucknow	2002	2004	State of the art Integrated Pest Management laboratory has been developed and is functional at AAI-DU,

					Allahabad. Presently various IPM modules are being developed for farming community.
Prof. Pramila Gupta	Bio-control agents production progress at IPM Laboratory	UPCAR, Lucknow	2003	2004	Integrated Pest Management laboratory produces following /month Trichoderma-500 kg Trichocard -100 Nos *B. bassiana* –500 kg NPV-HA-10,000 LE NPV-SL-10,000 LE
Prof. P. W. Ramteke	Strengthening of an Elite Progeny Plant Nursery	UPCAR, Lucknow	2003	2004	Hi-tech plant progeny nursery has been established at AAI-DU
Prof. D. B. Singh	Finding out the feasibility of intercropping field vegetables in the existing fruit trees on sodic lands of Allahabad and Pratapgarh districts of U.P.	UPCAR, Lucknow	2002	2004	Intercropping of cowpea with guava orchard improves the soil significantly. Whereas, inter-cropping of tomato was found more remunerative in *guava* and *aonla*. Pea (var.AP-3) should be grown as an intercrop in guava and anola orchards due to its high yielding potential and more profit 25.42% and 19.02% respectively as compared to mono-cropping. Further, tomato (var.DVRT-1) should be grown as an intercrop in *anola* orchards due to its high yielding potential and more profit (20.96%) as compared to monocropping upto pH 9.3
Prof. P. W. Ramteke	Characterization of cold adapted extra cellular enzymes from microorganisms and their biotechnological applications	DBT, New Delhi	2002	2005	Microorganisms producing cold-adapted extra cellular proteases and lipases were identified. Optimization of process parameters for maximum production of enzymes completed
Prof. S. B. Lal	Eco-rehabilitation of Degraded Lands and Social Upliftment of Rural People through Bamboo Cultivation in Allahabad District, Uttar	TDET Scheme of Department of Land Resources	2003	2005	Under this project major bamboo species found suitable for Eastern U.P. region for Eco-rehabilitation of

	Pradesh	(DoLR)			Degraded Lands are – *Bambusa vulgaris, Bambusa balcooa, Bambusa bambos, Dendrocalamus strictus*. These bamboo species improved the soil fertility and moisture content in soil and produced higher biomass
Prof. Pramila Gupta	To develop scale up Technology for in-vitro cultivation of microbial pesticide nematode *Steinernema capocapsae* and improve upon its shelf life formulation and application methodology	DBT, New Delhi			Process parameters for optimization of scale-up technology for *in-vitro* cultivation of microbial pesticides were standardized. However, further research is recommended on improvement of shelf life of formulation and application methodologies
Prof. P. W. Ramteke	Production of Laccases from Bacteria	CSIR, New Delhi.	2004	2005	Bacterial producing laccases isolated and identified
Prof. S. B. Lal	Development of Wastelands through Agro-forestry System in Uttar Pradesh	Ministry of Rural Government New Delhi	2001	2006	The Agro-forestry models were developed to reclaim the waste lands and to increase the productivity of the land. The most successful and promising models for state of Uttar Pradesh are Subabul + Black Gram, Bamboo + Mustard, Aonla + Mustard, Mango + Pigeon Pea, Subabul + Mango, Arjun + Aonla, Pigeon Pea + Bamboo + Aonla
Prof. S. B. Lal	Development of Wastelands through Bamboo Based Agro-forestry System in Uttar Pradesh	Ministry of Rural Government New Delhi	2003	2006	The major farmers friendly bamboo based agro-forestry system were developed, which showed better performance and compatibility in the state of Uttar Pradesh. They are : 1. Wheat + Bamboo (Agri Silviculture), 2. Bamboo + Aonla (Silvi Horticulture), 3. Pigeon Pea + Bamboo + Aonla (Agri Silvi

					Horticulture), 4. Mustard + Bamboo + Mango (Agri Silvi Horticulture)
Dr. Mohd. Kuddus	Investigations on natural strain Allophycocyanin (APC) for fluorescent immunoassay and their diagnostic applications	DST, New Delhi	2003	2006	Protocol developed for fluorescent immunoassay
Prof. A. R. Kumar	Value added products from dehydrated vegetables to combat nutritional deficiencies in rural masses	ICAR, New Delhi	2003	2006	Value added snack formulations such as Panchiri, Mathri, Namkeen etc. were developed employing surplus green vegetables
Prof. Sobita Simon	Studies on Fusarium corn rot of saffron and their control by bio-agents and fungicides	DST, New Delhi	2003	2006	Etiological agents isolated and identified. Encouraging results have been observed for control of fusarium rot in saffron
Prof. Sobita Simon	Molecular mapping of the gene conferring resistance to *Meloidogyne graminicola* in rice	UGC, New Delhi	2003	2006	Development of mapping population completed and identification of gene conferring resistance to *Meloidogyne graminicola* is under progress
Dr. Gerard Abraham	Bioprospecting of pigment producing cyanobacterial strains isolated from vindhyan region	CSIR, New Delhi.	2003	2006	Identified pigments producing cynobacterial strains and standardized methodology for extraction of pigments
Prof. S.S. Singh	Precision farming on site specific nutrient management in rice wheat cropping system	ISRO, Hyderabad	2003	2006	Soil samples from various locations/plots were analyzed and based on soil test values fertilizers were applied in various plots of the field. It resulted in saving of about 66 kg. of urea/ha and thus achieved uniform wheat and rice yields throughout the plot. Overall the productivity of rice and wheat was increased by 30-40% as compared to control
Dr. Firdoos	I P M Strategy on	DST,	2004	2006	Two bio-control agents

Ahmed Raina	*Meloidogyne germinicola* of Rice	New Delhi.			viz. pseudomonas, florescence and *Trichoderma , harzianum* significantly increased the plant growth behavior of rice and inhibited the population of *Meloidogyne germinicola.* Similalrly commercial neem products significantly increased in plant growth parameters and reduced *Meloidogyne germinicola* population
Prof. George Thomas	DNA Fingerprinting of indigenous guava varieties and tagging of wilt resistance gene(s)	DBT, New Delhi	2004	2006	Standardized the DNA isolation and purification protocols for fingerprinting of Guava varieties. A PCR based ISSR markers was identified for detecting resistance to wilt disease in different guava varieties
Prof S. B. Lal	Tree Borne Oilseeds (*Jatropha curcas*)	NOVOD, New Delhi	2005	2006	-
Prof. Pramila Gupta	Organizing IPM trainings under National Project on Organic Farming	NCOF, Ghaziabad	2005	2006	Twenty in-field and on-farm trainings were given, which benifitted nearly 1000 farmers, village level workers and kisan mitras on different aspects of organic farming
Prof. Sobita Simon	Validation Trial to relative performance of homoeopathic products on wheat and potato	UPCAR, Lucknow	2006	2007	No significant increase was observed in wheat and potato yield due to homeopathic treatment at Allahabad agro-climatic conditions
Prof. S. B. Lal	Development of Elite planting Material and Model plantation of *Jatropha curcus* L.	NOVOD Board, Gurgoan, Haryana	2005	2007	The Hi-tech forest nursery and research centre has been established with the multidisciplinary approaches for the production of planting stock of different forest, horticultural, medicinal-aromatic and bamboo species. Agro-forestry models and fish ponds

					have also been established in the nursery
Prof. Pramila Gupta	Women Empowerment through Organic Farming of Vegetables	DBT, New Delhi	2005	2007	Women farmers (150 Nos.) were formed into nine Self Help Groups (SHG) and were trained /encouraged in production of rich organic compost through vermi composting, NADEP method in Hathigahan and Malak harhar in Soraon block of Allahabad district. They were also trained for using other microbial inputs like bio-fertilizers and bio-pesticides
Prof. S.S. Singh	Modeling crop yields and incidence of potato late blight disease with remote sensing derived parameters	NRSA, ISRO, Hyderabad	2005	2007	Highest infestation and maximum yield reduction was observed in potato crop planted during end of November to mid of December, which was further aggravated by winter rains coupled with prolonged cloudy weather. Early sowing of resistant varieties saves the crops
Prof. A. P. Pandey	Economic analysis of production and marketing of Milk under farm conditions in Eastern U.P.	ICAR, New Delhi	2005	2008	It was observed from functional analysis that small size group of cow milk production and all size groups of buffalo milk productin have further chance to increase their level of milk production by increasing the inputs
Prof. Sobita Simon	Earthworms (*Eisenia foetida* and *Eudrilus eugeniac*) as source of recycling agricultural waste products	DST, New Delhi	2007	2009	It was observed that vermi compositing is one of the most efficient method of converting the organic waste & crops residue into a rich plant nutrients mixture
Dr. Rajesh Singh	Precision farming in mono-cropped agricultural system a case study in Uttar Pradesh & Andhra Pradesh	NRSA ISRO, Hyderabad	2007	2009	Site Specific Nutrient Management reduces the application of NPK fertilizers by 25% in Wheat
Dr. Vijay Bahadur	Integrated Nutrient Management (INM) in Guava	UPCAR, Lucknow	2009	2010	INM module for the production of Guava &

	and Anola under sodic soil				Anola were demonstrated to farmers. In addition, technical know-how for skill up-gradation under participatory appraisal mode on farmer field were disseminated. Knowledge-kits in local language *via*-extension folders, bulletins & multimedia presentation were also appraise to farmers
Dr. Vijay Bahadur	Dissemination of organic farming protocols for vegetable crops through participatory approach in Allahabad District	UPCAR, Lucknow	2009	2010	Protocol for production of tomoto, brinjal and chilli under organic farming conditions was developed and efforts were made for adoption of organic based farming system through capacity building and skill upgradation. Organic clusters of villages were made through farmers participatory approach
Dr. Devi Singh	Establishment of Small Nursery for commercially important bulbous ornamental plants	UPCAR, Lucknow	2009	2010	Under this project 20 varieties of gladiolas & 2 varieties of tuberose were maintained & distributed to the farmers as per the demands for promotion and commercial cultivation
Dr. Vijay Bahadur	Training Proposal for Supervisors	UPCAR, Lucknow	2009	2010	Trainings were given to supervisors to bridge the gap of knowledge and skills both managerial and technical to become self entrepreneurs
Dr. Vijay Bahadur	Training proposal for Entrepreneurs	UPCAR, Lucknow	2009	2010	Trainings were given to entrepreneurs to bridge the gap of knowledge and skills both managerial and technical to developed the skills for new avenues
Dr. Vijay Bahadur	Training proposal for Gardeners	UPCAR, Lucknow	2009	2010	Trainings were given to gardeners to bridge the gap of knowledge and skills both managerial and technical to become entrepreneurs or self

					employed
Prof. S. B. Lal	Development of Wastelands through bamboo based Agroforestry Models in Five Districts of astern Uttar Pradesh	Dept. of Land Resources, Min. of Rural Dev. Gov. of India, New Delhi	2005	2010	To increased sustainability and development of waste lands in the state of Uttar Pradesh various Agroforestry models have been developed. These includes, Teak based Agro-forestry system Poplar based Agroforestry system, Subabul based Agroforestry system, Jatropha based Agroforestry system, Varietal Orchards, Aqua silviculture. Research on mass multiplication of bamboo through flute technique has also utilized for development of wastelands in the state of Uttar Pradesh
Prof. S. B. Lal	Coordinated Multi-locational Trials of Managed Bamboo Plants	DST, New Delhi	2005	2010	The research on multi location trial on bamboo for mass multiplication and conservation of *Bamboo balcoa*, *Bamboo natuns* were found most suitable for Allahabad agro-climatic condition. National mission on Bamboo Application of DST has provided a Technology Recognition Certificate for development of Bamboo Flute Technology
Dr. Vijay Bahadur	Establishment of Model Nursery for fast multiplication of elite clones and new varieties of mango, guava and aonla	UPCAR, Lucknow	2009	2011	Model nursery for mango, guava and anola has been established at SHIATS and mass multiplication of these trees are under process through grafting and/or budding
Prof. Thomas Abraham	Model Organic Farm, Training Programmes and Field Demonstrations	NCOF, Ghaziabad	2008	2011	The SHIATS Model Organic Farm (SMOF) through an integrated farming system is depicting scope of sustainability. Certification of SMOF is being done continually on an annual basis by

					Lacon Quality Certification (P) Ltd. and the current year's
Prof. A. R. Kumar	Developing community based approach for prevention of Anemia among young rural women in Uttar Pradesh	DST, New Delhi	2009	2011	Occurrence of anemia among adolescent girls (12-18 yrs.) and young married women 18-35 yrs) in rural population of Uttar Pradesh were studied. In order to develop health education, a holistic approach covering various aspects such as education about giving colostrums, importance of breast feeding, weaning foods for infant growth, hygiene and sanitation for prevention of childhood illness etc. was disseminated. Iron rich recipes were also standardized from low cost locally available ingredient
Dr. B. Mehera	Standardization of agro-techniques for cultivation of Sarpagandha (*Rauvoltia serpentine)* under Teak (*Tectona grandies)* and Popular *(Populus deltoids)* based Agro-Forestry system	UPCST, Lucknow	2009	2011	Spacing S2 (45x45 cm) with organic dose F3 (N45 P60 K45) was found to be superior under teak and poplar Agroforestry system. However, irrigation schedule I2 (one in 15 days) with F3 dose (20 t/ha) was found superior under both teak and poplar based Agroforestry system. A highest economic return was observed in treatment I2 F3 under poplar based Agroforestry system. It was found that sarpanganda performs better under poplar based Agroforestry system
Dr. Dinesh Kumar	Estimation of marketed surplus and post harvest Losses of food grains of producer's level in Eastern U.P.	UPCST, Lucknow	2009	2012	These studies have shown that there are still considerable yield gaps in rain-fed crops that can be bridged in future to meet the increasing food requirements. In all

					the crops, these gaps would be larger than our calculations if the yield data from irrigated areas could be separated from the measured data. Due to the multi chains of middlemen and marketing costs the producer's share is low.
Prof. D.M. Denis	Geospatial Technologies for Precision Farming in Rice and Wheat Crops	NRSC, Hyderabad	2010	2012	Results revealed that methodology used to enhance resolution and accuracy (upscaling), increases the correlation between SCOPE and SEBS estimates from 0.34 to 0.49. The upscaled high resolution ETa was used to evaluate irrigated area. The water balance indicators revealed that water supply was less than adequate. The method developed successfully assesses target irrigated area.
Prof. Sobita Simon	Bio-intensive insect pest management strategies in chickpea under northern-eastern U.P.	RKVY, Lucknow	2009	2013	Screening of the isolated bio-agents against *H. armigera* was done successfully and the bio-agents and bio-pesticides were popularized for the management of *H. armigera.* Arranged hands on training to the farmers about IPM modules.
Dr. Shailesh Marker	Network Project on Identification and Development of Thermo-Tolerant Wheat Varieties Suitable for Different Agro-climatic Zones of Uttar Pradesh	UPCAR, Lucknow	2009	2014	Genotypes AAI 16, K 911, K 910-4, AAI 11, AAI 12 and NW 4035 were found most suitable for growing under late sown and very late sown conditions of the state of Uttar Pradesh. Early vigour, test weight, grain filling period, brown spike colour, spike weight, number of

					productive tillers per plant and grain yield, CTD and membrane stability were identified as important traits for high temperature tolerance in wheat
Prof. Mercy Devasahayam	Expression and purification of Recombinant Human Erythropoietin in CHO-KI cells	DST, New Delhi	2012	2014	Under this project it was observed when a GPI anchor is attached to the C terminal as EPO, it is expressed in CHO cells as verified by western blot. Further rEPO-g is expressed without any glycosylation heterognity while when expressed as a secrated form as rEPO-S glycosylotion heterosylation heterogeneity is observed with a 80% loss is incompletely glycosylated rEPO-S
Prof. Rubina Lawrence	Isolation, Identification and Characterization of Bioactive Compounds from Selected Medicinal Plants	ICMR, New Delhi	2011	2014	Under this project various plant materials were observed and their antimicrobial activity and phytochemicals analysis have shown synergistic effect on different bioactive compounds

On-going Research Projects (Externally Funded) at SHIATS, Allahabad

Principal Investigator	Title of Project	Sanctioned by	Year Start	Completion
Dr. Sheen C. Moses	AICRP on Farm implements and machinery	ICAR, New Delhi	1995	Continuing
Prof. S. B. Lal	Establishment of Bamboo for mass multiplication and conservation	*DST* New Delhi	2005	Continuing

Dr. B. Mehra	Forecasting Agricultural output using, Space Agrometeorology and land based observations (FASAL)	MOES, India Meteorological Dept., Govt. of India New Delhi	2010	2017
Mrs. Manju Mahananda	An Interventional approach to improve the emotional intelligence of administrators working in Public and Private sectors in Allahabad.	Indian Council of Social Science Research (Ministry of HRD, New Delhi	2011	2015
Prof. Rubina Lawrence	A study on listeriosis identification of antibiotic resistance and the effect of medicinal plants of eastern UP in disease management-UP	Department of Science & technology DST New Delhi	2015	2017
Dr. Neeru Bala	Development of low cost nutrition weaning foods and mechanism for its application in combating malnutrition in rural areas among weaker section	Department of Science & Technology *DST* New Delhi	2013	2016
Dr. Himanshu Pandey Co-PI Dr. Amita Verma	Development of Novel Controlled Release Nano Ointment of Gentamycin loaded Graphene for the treatment of Topical Bacterial Infections, (RGYI)	Department of Biotechnology *DBT* New Delhi	2012	2015
Dr. Devi Singh	Formulation of Cut Flower Production Technology by Demonstration and Training Programme of SC/ST Population in Allahabad	Department of Biotechnology *DBT* New Delhi	2013	2015
Prof. (Dr.) S. B. Lal	Sustainable management of Bamboo, as tools to generate livelihood for the forest dependent communities of Uttar Pradesh and enumeration of NTFP	Indian Council of Forestry Research and Education ICFRE, *Dehradun*	2013	2016
Dr. Devi Singh	Refinement of seed production technology of cucurbitaceous vegetable crops and its demonstration on farmers's field	Council Of Science & Technology CST New Delhi	2013	2015
Dr. S. Saravanan	Innovative Cultivation of aromatic Japanese Mint, Ashwagandha, Sarpagandha, Geranium and Patchouli Under existing Aonla and Guava Orchards	Uttar Pradesh Council of Agricultural Research Lucknow	2013	2015
Dr. W. Jeberson	Generic Middleware for Wireless Sensor Network (WSN) Clusters in a Cloud Computing Environment	Computer Society of India, Education Directorate	2013	2015
Dr. Razia Parvez	Ergonomic evaluation of improved tools and machinery used by farm women for intensive and viable agriculture	Department of Science & Technology *DST* New Delhi	2013	2016
Dr. Anshu	Role of Parents in Engendering Gender Discrimination Leading to Health Issues in Adolescents : An Interventional study	Uttar Pradesh Council of Agricultural Research, Lucknow	2013	2016
Dr. Alka Gupta	Utilization of micronutrient rich Indigenous foods and their effect on the micronutrient status of school going children in Eastern districts of U.P.	Uttar Pradesh Council of Agricultural Research, Lucknow	2013	2016

Prof. D. M. Denis	Farming System Based Water Budgeting for Samrakalwana Village at Allahabad	Uttar Pradesh Council of Agricultural Research, Lucknow	2013	2015
Prof. V. M. Prasad	Evaluation of high yielding varieties/hybrids of cucurbitaceous vegitables for river bed (diara land) cultivation and standardization of their agro-techniques	Uttar Pradesh Council of Agricultural Research, Lucknow	2014	2017
Dr. Anisha Verma	Strategic approaches for value addition and promotion of Underutilized vegetable crops for combating iron deficiency in Allahabad district	Uttar Pradesh Council of Agricultural Research, Lucknow	2014	2017
Dr. Ram Pal Singh	Improvement of Gangatiri Cow	Uttar Pradesh Council of Agricultural Research, Lucknow	2014	2017
Dr. Mohd. Rashid	Design and development of Cdc7 kinase inhibitors by targeting the ATP and Dbf4 binding sites of Cdc7 kinase protein	Science and Engineering Research Board, New Delhi	2015	2017
Km. Ruchi Dwivedi (Guidance of Dr. Pragati Mishra)	Developing methods for selection of high water use efficient crop varieties under rice wheat intercropping system	The National Academy of Science, Allahabad	2014	2016
Prof. P. W. Ramteke	Structure based pharmacophore modeling of Herbal chymase inhibitors in Anti-Atherosclerosis	Council of Science & Technology, UP, Lucknow	2015	2017
Dr. Virginia Paul	Household food insecurity, food practices and health risks among Indian women	Department of Science & Technology *DST* New Delhi	2015	2017
Prof. Suresh Babu G.	All India Coordinated Rice Improvement Programme. (Voluntary Centre)	Directorate of Rice Research, Hyderabad under ICAR	2004	continuing
Dr. S. Marker	All India Coordinated Linseed trials (Voluntary Centre)	Directorate of Linseed, Hyderabad under ICAR	2009	continuing
Dr. G. R. Lavanya	Evaluation of Moongbean trials (Voluntary Centre)	IIPR, Kanpur under ICAR	2005	continuing
Dr. G. R. Lavanya	Evaluation of field pea trials (Voluntary Centre)	IIPR, Kanpur under ICAR	2005	continuing
Dr. V.B. Rajwade Dr. Devi Singh	All India Coordinated Research Project vegetable crops. (Voluntary Centre)	Indian Institute of Vegetable Research, Varanasi	--	2012-15
Dr. Rajesh Singh	Evaluation of Hybrids Rice under different agro-climatic conditions of U.P.	Uttar Pradesh Council of Agricultural Research, Lucknow	2014	continuing
Dr. S. Marker	Evaluation of Hybrids Maize under different agro-climatic conditions of U.P.	Uttar Pradesh Council of Agricultural Research, Lucknow	2014	continuing

Prof. Sobita Simon	Rallies India Limited – Evaluation of Rallis Fungicide, Taqat (Captan 70%+ Hexaconazole 5% WP) for bio-efficacy against rust, Powdery Mildew and other diseases of wheat and its phytotoxicity on wheat	Rallies India Pvt. Ltd.	2009	continuing
Prof. Sobita Simon	Bio-efficacy and Phytotoxicity evaluation of our fungicides, CHA 1322 & CHA 2440-01 on diseases of sheath blight & Brown spot in Paddy.	Cheminova India Limited, Bangalore	2012	Continuing
Prof. Sobita Simon	Bio-efficacy and Phytotoxicity evaluation of fungicides, CHA 1303-02 (flutriafol 25 g/L FS) on wheat	Cheminova India Limited, Bangalore	2015	-
Prof. Sobita Simon	Bio-efficacy and Phytotoxicity evaluation of fungicides CIL-F-211 and CIL-112 against sheath blight and blast on Rice for two seasons	Cheminova India Limited, Bangalore	2015	-
Dr. Ashwani Kumar	Bio-efficacy and Phytotoxicity evaluation of insecticides CIL-l-123 against steam borer and leaf folder on rice for two season	Cheminova India Limited, Bangalore	2015	-
Dr. Ashwani Kumar	Bio-efficacy and Phytotoxicity evaluation of insecticides CIL-l-113, CIL-l-114, CIL-l-116 and CIL-l-118 against steam tomato	Cheminova India Limited, Bangalore	2015	-
Dr. Vikram Singh	Bio-efficacy and Phytotoxicity evaluation of our harvesties CIL-H-312, and CIL-H-315, on harvesties steam wheat and rice	Cheminova India Limited, Bangalore	2015	-
Dr. Joy Dowson	Bio-efficacy, Phytotoxicity & Effect on following crop on Mint	Makhteshim-Agan India Pvt. Ltd. Hyderabad	2015	-
Dr. Vijay Bahadur	Evaluate the Dimethoate on Okra and Citrus	Anu Products Ltd. New Delhi	2015	-
Prof. V. M. Prasad	Testing of a plant growth regulator (forchlorfenuron) in Onion and Tomato	PNP & Associates Pvt. Ltd. Faridabad, Haryana	2015	-
Prof. Mahabal Ram	Development of high yielding varieties of Wheat suited to rice-wheat cropping system of Vindhyan region of U.P.	Directorate of Research, SHIATS, Allahabad	2005	Continuing
Prof. Thomas Abraham	Building resilience to climate change through strengthening adaptive small scale farming systems in rainfed areas in Bangladesh, India and Nepal	Caritas India	2011	Continuing
Dr. S. Markar	National Information System on Agricultural Education Network in India (NISAGENET)	ICAR, New Delhi	2012	Continuing
Prof. S. B. Lal	Integrated Agrometeorological Advisory Service (IAAS)	IMD, Ministry of Earth Science, Govt. of India, New Delhi	2001	Continuing
Prof. S. Shekh / Dr. I. Frank	Nutri-Farm Scheme	Government of India	2014	2015

Prof. Suresh B.G	Bringing Green Revolution to Eastern India	Ministry of Agriculture, GOI, New Delhi	2012	Continuing