

Projects Details

Sl. No	Title of the project	PI and CoPIs of the project	Duration	Budget (In lakhs)
1.	Integrated N management through urea and organic manures for sustainable rice-wheat system on a long term basis	Drs. Muneshwar Singh, K.S. Reddy, V.P. Singh, T.R. Rupa, D.D. Reddy	April, 1991 April, 1999	3.00
2.	Phosphate sorption-desorption kinetics and validation of models to describe P release pattern in some miner logically variant soils	Drs. K.P. Tomar, A.K. Biswas, T.R. Rupa	December, 1991 June, 1999	6.83
3.	Development of models for integrated Sulphur supply and management system to improve and sustain the productivity of soybean- wheat system on a swell-shrink soil of agro ecological zone 10	Drs. J.K. Saha, P.N. Takkar	June, 1992 June, 1999	14.95
4.	Development of models for integrated nitrogen supply and management system to improve and sustain the productivity of soybean- wheat system on a swell-shrink soil of agro ecological zone 10	Drs. Muneshwar Singh, A.K. Tripathi, P.N. Takkar	April, 1992 April, 1999	31.5
5.	Studies on growth dynamics of microbial biomass as influenced by soil environment and its contribution to available pool of C, N & P in typic Haplustert under soybean-wheat system	Drs. M.C. Manna, S. Kundu, Muneshwar Singh, P.N. Takkar	July, 1993 July, 1997	2.28
6.	Investigation of microbiological transformation of N, P and S in the rhizosphere and the rate of bio-mass as a source-sink for these materials in vertisols and Alfisols	Drs. T.K. Ganguly., M.C. Manna	July, 1995 July 1999	6.50
7.	Monitoring native VA-Mycorrhizal population and biological activity under soybean-wheat as affected by FYM and phosphorus	Drs. M.C. Manna, T.K. Ganguly, A.S. Rao	July 1995 July 1998	0.30
8.	Dynamics of potassium in major soil groups under long-term intensive cropping and fertilizer and manorial use	Drs. Sanjay Srivastava, T.R. Rupa, M.V. Singh	15/1/1997 January 2003	10.70
9.	Sorption-Desorption kinetics and available of zinc as influenced by some important soil properties in major benchmark soils of India and validation of models	Drs. T.R. Rupa, K.P. Tomar	August, 1997	43.01
10.	Fixation and release kinetics of non-exchangeable NH ₄ in physicochemical dissimilar soils	Drs. S. Kundu, K.K. Barman	Jan. 1998 Sept. 2000	5.45
11.	Influence of irrigation levels and nutrients management on water and nutrient use efficiency of soybean-wheat crop rotation	Drs. K.G. Mandal, A.K. Misra, K.M. Hati	21 st April, 1998 30/4/2001	7.77
12.	Effect of manipulation of source and sink on nitrogen fixation in soybean	Drs. S. Ramana, A.K. Tripathi, Muneshwar Singh	April, 1998 June 2000	2.46
13.	Study on in-situ water balance and water use efficiency of soybean-	Drs. K.M. Hati, K.G.	21 st April, 1998	8.28

	mustard cropping system under varying water regimes and nutrient management	Mandal, A.K. Misra	30/4/2001	
14.	Evaluation of sink capacity of soil for fluorine – a case study in Mandla district	Drs. J.K. Saha, S. Kundu	July, 1998 June 2000	9.99
15.	Studies on heavy metal pollution in soils through city and industrial wastes and their management for sustaining soil productivity with minimal environmental pollution	Drs. M.V. Singh, Tapan Adhikari, M.C. Manna	1998 2003	5.00
16.	Developing eco-regional integrated plant nutrient management systems for sustainable crop production	Drs. A. Subba Rao, Sanjay Shrivastava, A.K. Biswas	January 1999 January 2002	7.41
17.	Sustaining production of soybean based cropping systems through soil water nutrient management (SWNM) in landscape watershed	Drs. A.K. Misra, R.S. Chaudhary, A.K. Tripathi, D.D. Reddy, K.M. Hati, K.G. Mandal, S. Ramana	January, 1999 April 2003	70.00
18.	Study on long-term tillage management with differential nitrogen on soybean-wheat cropping system in Vertisols. (External funded)	Drs. K.M. Hati, R.K. Singh	June 1999 Long-term	6.4
19.	Long-term effect of intensive cropping and fertilizer use on transformation and availability of N and S in different soils	Drs. K. Sammi reddy, A.K. Tripathi, Muneshwar Singh, M.V. Singh	June 1999 July 2002	13.4
20.	Long term fertilizer experiment to study changes in soil quality, crop productivity and sustainability	Drs. A. K. Tripathi, K.S. Reddy, R.H. Wanjari, Anand Swarup	June 1999 Long term	7.00
21.	Assessment of influence of long term application of fertilizers and manure under continuous cropping on some physical properties of soil	Drs. K.M. Hati, Anand Swarup	June 1999 April, 2003	1.2
22.	Evaluation of sink capacity of well-defined soil series of vertisols, inceptisols, and alfisols for toxic metal pollutants	Dr. S. Kundu,	July 1999 to 2004	1.4
22 a	Environmental impact and risk assessment of use of distillery effluent in agriculture 22 A	Drs. A.K. Biswas, S. Ramana, J.K. Saha, A.B. Singh, Mohan Singh	July, 1999 to June 2005	5.65
23.	Transformations and availability of soil phosphorus fractions and phosphate sorption behaviour in contrasting soils under Long term cropping and fertilizer use	Drs. D. Damodar Reddy, Anand Swarup	September, 1999 October, 2001	9.84
24.	Nitrogen management and simulation modeling for different water availability situation in the PSR Mode under the National Agricultural Technology Project (Funded by NATP)	Drs. Muneshwar Singh, S. Ramana	Ist October, 1999 31 March 2003	90.61
25.	Development and validation of simulation models to predict the long term consequences of different tillage and residue management strategies	Drs. D.K. Painuli, M. Mohanty	December, 1999 to November	189.83

			2003	
26.	Impact of tillage, land treatment and organic residue management on soil health, drainage and crop productivity of rainfed cotton based system (Funded by NATP)	Drs. R.S. Chaudhary, P. Ramesh	April, 2000 September, 2003	57.84
27.	Development of database of major soil nutrients for managing nutrients in different crops and cropping systems	Drs. K.N. Singh, N.S. Raju, Sanjay Shrivastava, A.S. Rao	April, 2000 to 2003	2.35
28.	Optimizing nutrient supply in relation to moisture availability for enhanced productivity and stability of rainfed cotton based production system (Funded by NATP)	Drs. D.D. Reddy, M. Mohanty	April, 2000 2003	4.78
29.	Integrated management of nutrient and water in different cropping systems for sustainable production in Vertisol.	Drs. P.K. Ghosh, K.K. Bandyopadhyay, R. S. Chaudhary, P. Ramesh, T.R. Rupa, A.K. Tripathi, M.C. Manna, Ajay, A.B. Singh	June 2000 to June 2005	38.06
30.	Management of mechanical harvest-borne wheat residue under soybean wheat systems in Vertisols	Drs. D. Damodar reddy, Sanjay Shrivastava	June 2000 to May2005	3.2
31.	Resource use efficiency of certain soybean based inter cropping systems for sustainable productivity	Drs. P. Ramesh, M. Mahadevaswami	January 1996 to March 1999	8.2
32.	Comparative study of the low input management crops like medicinal crops in vertisol and like soil with soybean and groundnut	Drs. Ajay, P. Ramesh, Sammi Reddy, S. Ramana	June 2000 March 2004	24.75
33.	Effect of subsoiling on water and nutrient use efficiency in oilseed based inter-cropping system in a Vertisol under rainfed conditions	Drs. M Mohanty, K.K. Bandyopadhyay, P.K. Ghosh, D.K. Painuli	June 2000 June 2003	27.32
34.	A comparison of vermin composting and conventional composting	Dr. T.K. Ganguly, Dr. A.B. Singh, Dr. A.K. Sharma, Dr. Mohan Singh	July 2000 July 2004	4.54
35.	Identifying systems for carbon sequestration and increased productivity in semi-arid tropic environments	Drs. M.C. Manna, K.K. Bandyopadhyay, T.R. Rupa	July 2000 December, 2003	179.49
36.	Organic pools and dynamics in relation to land use, tillage and agronomic practices for maintenance of soil fertility	Drs. Anand Swarup, M.V. Singh, R.H. Wanjari, M.C. Manna	July 2000 December, 2003	166.50
37.	Integrated nutrient management in major pulse based cropping systems and identification of the most productive and remunerative systems	Drs. A. K. Biswas, R.H. Wanjari, A.B. Singh	July 2000 to March 2003	34.13

38.	Web design and hosting for IISS	Mr. N.S. Raju, K. Alivelu, K.N Singh	August, 2000 to Aug. 2002	1.9
39.	Studies on the role of PGPR's in improving growth and biological nitrogen fixation in soybean and wheat	Drs. Ajay, Kiran. P. Raverkar, D.L.N. Rao	December, 2000 April 2004	6.00
40.	Comparison & Evaluation of different statistical models for establishing the relationship between the crop yields and soil & fertilizer	Drs. K. Alivelu, K.N. Singh, N.S. Raju, A.S. Rao, Sanjay Srivastava	2000 to 2004	Budget is not found in the file
41.	Data base design and development for IISS	N.S. Raju	2000 to 2004	3.2
42.	Evaluation of sink capacity of soil/plants for toxic metal pollutants	Drs. Ajay, Tapan Adhikari, S. Ramana, A.B. Singh	Jan. 2001 March, 2004	19.1
43.	Survey of potential of manure for meeting crop nutrient needs with integrated management in Madhya Pradesh India	Drs. K.S. reddy, A.S. Rao, Muneshwar Singh, D.L.N. Rao, M. Mohanty, S.K. Dixit	January 2001	0.85
44.	Determination of soil potassium stock in Indian semi arid tropics in term of biotite content	Drs. Sanjay Srivastava, A.S. Rao	1 st April, 2001 30 th September, 2004	9.41
45.	Nutrient Dynamics in cotton and establishment of critical limits for micro and secondary nutrients	Drs. T.R. Rupa, D.D. Reddy. Sanjay Srivastava	May, 2001 March, 2003	4.8
46.	Improving the use efficiency of limited available irrigation water and assessing water and nitrogen dynamics in wheat under soybean-wheat system in vertisol	Drs. K.K. Bandyopadhyay, A.K. Misra, P.K. Ghosh	June 2001 June 2005	14.3
47.	Mobilization and utilization of phosphorus from rock phosphate using soybean leaf litter: implications for direct use of rock phosphate	Dr. D. Damodar Reddy	October, 2001	1.3
48.	Investigation on the effect of continuous use of sewage water as irrigation on the swell-shrink soil quality	Drs. J.K. Saha, A.K. Biswas, Ajay, Mohan Singh	November, 2001 October, 2009	16.8
49.	Investigation on sink capacity of well-defined soil series for toxic metal pollutants and its effects on the mobility of metal pollutants in the soil-plant continuum.	Drs. A.K. Biswas, Tapan Adhikari, Ajay, J.K. Saha	2001 to 2006	43.7
50.	Water and phosphorus use efficiency under varying soil moisture regimes in rainfed maize-chickpea cropping system in vertisol	Drs. R.S. Chaudhary, K.G. Mandal	2002 May 2007	16.00
51.	Dynamics of soil microbial nutrients availability in soybean-wheat cropping sequence under conventional and organic farming system in semi-arid zone (NATP) (Externally funded projects)	Drs. Muneshwar Singh, Mohan Singh	12 th April, 2002 to 31 March 2005	10.82

52.	Evaluation of implications of long-term balanced nutrient use on soil health and agricultural production in different zones in India – A case of maize-wheat cropping sequence in HP	Drs. Ashwini kumar sharma, M.V. Singh. R.H. Wanjari	Mid 2002 June 2005	2.3
53.	Long-term Evaluation of Integrated Plant Nutrient Supply Modules for sustainable productivity in Vertisol.	Drs. Muneshwar Singh, A. K. Biswas, B. P. Meena A. B. Singh, R. S. Chaudhary,	April, 2002 to long term	5.00 lakhs for five years
54.	Environmental impact of the use of polluted ground water as irrigation on productivity and quality of crops in Ratlam-Nagda industrial area	Drs. J.K. Saha, A.K. Sharma	1 st October, 2002 30 th September, 2005	11.50
55.	Evaluation of agrihotra krishi paddati on soybean –chickpea/wheat cropping system	Drs. Muneshwar Singh, Sanjay Srivastava, B. Maji	April, 2003 April 2006	1.65
56.	Nutrient dynamics and production sustainability of cropping sequences under organic farming system in Vertisols	Drs. P. Ramesh, A.B. Singh, S. Ramana, N.R. Panwar	June 2003 December, 2008	7.80
57.	Nutrient management practices for important oilseed based cropping systems for improving yield and oil output under rainfed conditions (Funded by NATP)	Drs. J.K. Saha, P.K. Ghosh, A.B. Singh	June 2000 September, 2003	190.32
58.	Crop diversification and management of water for increasing productivity on Vertisols in a landscape watershed	Drs. A.K. Misra, K.M. Hati, K.G. Mandal, A.K. Tripathi	June 2003 December 2006	9.30
59.	Evaluation of efficiency of Granubor H in ameliorating boron deficiency in important fields crops under major ecological zones of India (Consultancy by M/s Rallis India Ltd., Chennai)	Drs. M.V. Singh, R.H. Wanjari, Tapan Adhikari	June 2003 to 2005	2.00
60.	Studies on molybdenum availability in selected benchmark soils and its influence on growth of some crops	Drs. Tapan Adhikari, M.V. Singh, K.G. Mandal	December, 2003 to March 2007	Budget is not found in the file
61.	Evaluation of techniques for minimizing heavy metal pollution in soils and plant	Drs. Tapan Adhikari, Ajay., M.V. Singh	December, 2003 March, 2007	Budget is not found in the file
62.	Integrated nutrient management for high quality fibre and yield of cotton	Dr. D. Reddy,	April 2003	2.40
63.	Network Project on organic farming (External funded)	A. B. Singh, K. Ramesh, Brij Lal Lakaria, S. Ramana, J.K. Thakur	Kharif 2004 to March 2018	90.90
64.	Online fertilizer recommendations system for targeted yield of crops for different states	Dr. N.S. Raju	May 2004 May 2005	0.50

65.	Efficiency of some flowering plants to extract Cd and Pb from contaminated soils	Drs. S. Ramana, A.K. Biswas, Ajay	June 2004 to May 2007	150
66.	Tillage and phosphorus effects on rainfed soybean-chickpea cropping system in a vertisol	Drs. D.K. Painuli, M. Mohanty, K.G. Mandal, R.S. Chaudhary	June 2004 to 2007	29.55
67.	Studies on the effect of organic nutrient sources on yield and quality of pomegranate	Drs. A.B. Singh, A.K. Tripathi, D.L.N. Rao	July 2004 July 2009	2.50
68.	Efficiency of gromor bentonite sulphur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India. (Network project Coromandel Fertilizers Ltd.)	Dr. M.V. Singh	30 th July, 2004	8.00
69.	Impact adaptation and vulnerability of Indian agriculture to climate change	Drs. A.K. Misra, K.M. Hati, A.K. Biswas	6/10/2004	48.45
70.	Estimating the nutrient contribution of manures alone and in the presence of fertilizer	Drs. Abhishek Rathore, Sanjay Srivastava, Y. Muralidharudu	January 2005 to January 2007	2.90
71.	Delineation and mapping of nitrate contamination in soil and water in heavily fertilized and intensively cultivated districts of the country	Drs. A.K. Biswas, Sanjay Srivastava, A.S. Rao	1 st April, 2005 30/6/2008	65.70
72.	Evaluation of efficiency of gromor bentonite sulphur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India	Drs. M.V. Singh, R.H. Wanjari	June 2005 June 2007	17.80
73.	Development of suitable methodology for soil fertility using GIS and GPS tools for precise fertilizer recommendations based on spatial variability (ICAR Cess Fund)	Drs. K.N. Singh, A.K. Tripathi, N.S. Raju, Abhishek Rathore, A.S. Rao	October 14, 2005 October, 13, 2009	15.49
74.	Evaluation of efficiency of gromor sulfur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India (Network Project)	Drs. M.V. Singh, R.H. Wanjari Dr. K.S. Reddy	2005-06	8.00
75.	Improving yields and nutrient uptake of selected crops through microbial inoculants in Vertisols of Central India (AMAAS). (External funded)	Drs. D.L.N. Rao, M.C. Manna	2006 2012	18.83
76.	Development of composting techniques for recycling of municipal solids wastes	Drs. M.C. Manna, A.B. Singh	March 2006 March 2010	1.60
77.	Development of potassium management strategies for alfisol in view of lesions learnt from long-term fertilizer experiments	Drs. R.H. Wanjari, Muneshwar Singh, Sanjay Srivastava, N. Vasuki, S.B. Yogananda	April 2006 March, 2009	2.50
78.	Developing quality indices of urban solid waste compost.	Dr. J.K. Saha, Dr. N.R.	1 st May, 2006	7.00

		Panwar, Dr. M.V. Singh		
79.	Contractual Research Network on Evaluation of Efficiency of Granubor II for enhancing crop productivity in Boron deficient enhancing crop productivity in boron deficient soils	Drs. M.V. Singh, R.H. Wanjari, Tapan Adhikari	2004 to 2005	8.31
80.	Impact of linear alkylbenzene sulphonate (LAS) and sodium Tri poly phosphate (STPP) present in detergent on crop and soil quality	Drs. Ajay, J.K. Saha, M.V. Singh	June 2006 to May 2009	1.65
81.	Development of methodology using RS, GPS & GIS for delineating area of a district in different fertility zones. (Funded by MPCOST)	Drs. K.N. Singh, Abhishek Rathore, A.K. Tripathi, A.S. Rao	1 April, 2007 to 31 March 2010	3.60
82.	Investigation on phosphorus fractions in Diverse organic manures and their effects on phosphorus speciation and availability in contrasting soils	Drs. Damodar Reddy, Brij Lal Lakaria	April, 2007 to March 2009	Budget is not found in the file
83.	Developing region-specific databases on nutrient resources in agriculture and user friendly intelligent data retrieval system for rational and efficient nutrient management	Drs. Sanjay Srivastava, Pramod Jha, S. Ramana, Abhishek Rathore, N. Panwar, Y. Muralidharudu, A.S. Rao	April 2007 September, 2010	2.40
84.	Long-term effects of fertilizer and manure application on carbon pools dynamics in a Vertisol under soybean-wheat system	Drs Brij lal lakaria, Muneshwar Singh, K.S. Reddy, A.B. Biswas, R.S. Chaudhary, A.B. Singh	June 2007 June 2010	6.09
85.	Integrated Manure nutrient management in soybean/wheat cropping systems on Vertisol in Madhya Pradesh and Queensland	Drs. A. Subba Rao, K.S. Reddy, D.L.N. Rao, Muneshwar Singh, M. Mohanty, S.K. Dixit	1, July 2007 2010	10.15
86.	Ailing Agricultural Productivity in Economically Fragile region of India: An Analysis of Synergy between Public Investment and Farmers' capacity (Adhoc Scheme)	Drs. Ranjit Kumar, P.K. Awasthi, D.K. Sinha, H.N. Atibudhi	January, 1, 2008 June 30, 2010	11.49
87.	Development of web enabled statistical software for analysis of data of AICRP on STCR	Drs. A. Rathore, Y. Muralidharudu, A.S. Rao, V.K. Gupta, Rajender Prasad	March 2008 March 2011	4.41
88.	Developing database on extent of soil and water contamination in India	Drs. Navratan Panwar, J.K. Saha, Abhishek Rathore, Tapan Adhikari, S. Ramana, A.K. Biswas, Sanjay Srivastava, S.	1 April, 2008 to 31 March 2012	1.21

		Kundu, M.L. Dotaniya		
89.	Soil Organic carbon dynamics and climatic changes and crop adaptation strategies. (NAIP) (External funded)	Drs. M.C. Manna, S. Ramana, A.K. Tripathi, K.N. Singh	May 2008	6.10
90.	Quality assessment of crops under different nutrient management system in long term experiment	Drs. A.B. Singh, A.K. Tripathi, Muneshwar Singh, A.S. Rao	May 2008 to May 2013	6.10
91.	Tillage and manure interactive effects on soil aggregate dynamics, soil organic carbon accumulation and by pass flow in vertisols (External funded)	Drs. Sangeeta Lenka, M. C. Manna, Brij Lal Lakaria R. K. Singh, R. C. Singh (CIAE)	June 2008 to March 2015	27.35
92.	Assessment of quality and resilience of soils in diverse agro-ecosystems (NAIP). (External funded)	Drs. S. Kundu, D.K. Benbi, B. Mandal, U. Mandal, Pushpanjali, T. Bhattacharya	17 th July 2008 to 31 st March, 2012	288.11
93.	Transformation and phyto-availability of zinc and boron in selected bench mark acid soils amended with lime and farm yard manure	Drs. S.K. Behra, M.V. Singh	June 2008 May 2011	4.13
94.	Nano-technology for Enhanced Utilization of Native-Phosphorus by Plants and Higher Moisture Retention in Arid Soils (NAIP Project) (External funded)	Drs. Tapan Adhikari, A. K. Biswas, S. Kundu	18 th July, 2008 31/3/2014	327.6
95.	Diagnosis and management of emerging physiological disorders of cotton, wheat and soybean in black soils of central India under changed climatic scenario	Drs. K.B. Hebbar, S. Ramana, P. Ramesh, N.R. Panwar, Ajay, S. Kundu	1 st April, 2008 to 31 March 2011	8.00
96.	On farm production and evaluation of vermicompost and enriched compost	Drs. A.K. Tripathi, M.C. Manna, A.B. Singh	January 2009 January 2012	4.70
97.	Understanding the mechanism of variation in status of a few nutritionally important micronutrients in some important food crops and the mechanism of micronutrient enrichment in plant parts. (NAIP) (External funded)	Drs. A.K. Shukla, Muneshwar Singh, Tapan Adhikari	February, 2009 to March, 2014	583.34
98.	Evaluation of Allwin wonder and allowin top for their effects on maize productivity and soil fertility (Contractual Research Project)	Drs. K. Ramesh, S. Ramana, A.K. Biswas	April, 2009 April, 2012	9.99
99.	Detection of water and nitrogen stress and prediction of yield of soybean and maize using hyper-spectral reflectance and vegetation indices. (External funded)	Drs. K.M. Hati, R.K. Singh	June 2009 to July 2013	8.70
100.	Tillage effects on weed dynamics in soybean-wheat system on Vertisol.	Drs. Blaise Desouza, R.H. Wanjari, R.K. Singh	1 st June 2009 June 2012	6.00
101.	Phyto extraction of Cr by some floriculture plants	Drs. S. Ramana, A.K.	June 2009 to May	3.35

		Biswas, A.B. Singh, Ajay	2013	
102.	Assessment of impact of climatic change on cotton. (Contractual)	Dr. K.B. Hebbar, (ESS)	June 2009 to 2010	79.55
103.	Efficacy of soil sampling strategies for describing spatial variability of soil attributes	Drs. Baidya Nath Mandal, Neenu S., Sanjay Srivastava, Hironmoy Das	14 th October, 2009 to July 2012	4.32
104.	Network on evaluation of efficiency of granubor fortified NP/NPK in ameliorating boron deficiency in boron deficient soils in important crops in India	Drs. M.V. Singh,	2009 to 2010	1.16
105.	Structural and functional diversity of microbes in soil and rhizosphere	Drs. Santosh R. Mohanty, M.C. Manna, Muneshwar Singh,	January 2010 to January 2014	41.00
106.	Study on nanoporous zeolites for soil and crop management	Drs. K. Ramesh, I. Rashmi,	March 2010 to March 2014	3.00
107.	Evaluating Conservation tillage on various cropping sequences/rotations for stabilizing crops productivity under erratic Climatic Conditions in Black Soils of Central India.	Drs. J. Somasundaram, R. S. Chaudhary, Ajay, S. Neenu	March 2010 to June 2016	21.14
108.	Participatory integrated nutrient management for improving the productivity and fertility of soils of Nagaland.	Drs Brij Lal Lakaria, N. K. Lenka, R. H. Wanjari, A. K. Biswas	May 2010 to April 2013	2.07
109.	Evaluation of efficiency of Patentkali PMS fertilizer for Potash, Magnesium and Sulphur Nutrition and Yield of Different Crops in India (Contractual by M/s Indian Potash Ltd., New Delhi)	Drs. M.V. Singh, R.H. Wanjari, S.K. Behera, A.K. Shukla	May 2010-11	22.26
110.	Impact of crop covers on soil and nutrient losses through runoff in Vertisol.	Drs R. K.Singh, J. Somasundaram, I. Rashmi, R.S. Chaudhary	June 2010 to May 2014	8.71
111.	Changing climatic factors' influence on the nutrient acquisition, utilization and recovery by soybean and wheat/gram germplasm lines/ genotypes on black soils of central India	Drs Neenu S., K. Ramesh S. Ramana, J. Somasundaram, I. Rashmi	June 2010 to June 2013	7.85
112.	GPS and GIS based model soil fertility maps for selected districts for precise fertilizer recommendations to the farmers of India. (External funded)	A. Subba Rao, Pradip Dey (Executive PI), A. K. Shukla, Muneshwar Singh Sanjay Srivastava, R. H. Wanjari, Hiranmoy Das	June 2010 to December 2012	1032.07
113.	Effect of nitrogenous fertilizer-calcium cyanamide (PERLKA) on crop	Drs. Pramod Jha, A.K.	July 2010	4.71

	productivity and nutrient use efficiency Sponsored Project (Contractual PPNP & Associate Pvt. Ltd., Faridabad)	Biswas, K.S. Reddy	One year	
114.	Studies on soil resilience in relation to soil organic matter in selected soils.	Drs. N. K. Lenka, S. Lenka, Brij Lal Lakaria, Asit Mandal, S.K Behara, A.S. Rao, A.K. Biswas	July 2010 June 2015	10.30
115.	Impact assessment of continuous fertilization on heavy metals and microbial diversity in soils under long term fertilizer experiment (External funded)	Drs Tapan Adhikari, R.H. Wanjari, A.K. Biswas, Muneshwar Singh, S. Kundu, A. Subba Rao	August 2010 December 2012	2.60
116.	Soil carbon saturation and stabilization in some soils in India.	Drs. Pramod Jha, Brij Lal Lakaria, Ritesh Saha, S.R. Mohanty, A.K. Biswas Muneshwar Singh	July 2010 to March 2014	2.50
117.	Bio-fortification of grain sorghum and finger millet varieties with zinc through agronomic measures.	Drs Ajay, A.K.Shukla, J.K.Saha, M.V. Singh, M.V. Coumar, S. Kundu, S.K. Behera	Kharif 2010 Kharif 2013	2.50
118.	Efficiency of Bio-release micronutrient fertilizer Zinc (Micromac) on yield and zinc nutrition of different crops in India (Contractual from Sowbhagya Amino Inputs Pvt. Ltd., Hyderabad)	Drs. M.V. Singh, A.K. Shukla, S.K. Behera	August 2010 to July 2011	10.31
119.	Participatory assessment of qualitative parameters for categorizing different degrees of soil quality to enhance the soil health and productivity.	Drs. R. S. Chaudhary, J. Somasundaram, Brij Lal Lakaria, S.R. Mohanty, A.B. Singh	March 2010 Sept. 2013	573.00
120.	Actinomycetes diversity in Daccan plateau, hot, arid region and semi arid eco-sub-region (AER 3 and 6) and evaluation of their PGPR activity.	Drs. Radha T.K., D.L.N. Rao	August 2010 April 2014	3.20
121.	Assessing impacts of climate change on different cropping systems in Central India and evaluating adaptation studies through crop simulation models	Drs. M. Mohanty, K.M. Hati, N.K. Sinha, S. Lenka Pramod Jha, Neenu S., R. S. Choudhary, R. Elanchezian, A. Subba Rao, K.S. Reddy	June 2011 to May 2016	3.70

122.	Soil quality assessment for enhancing crop productivity some tribal districts of Madhya Pradesh	Drs. Rajendiran S., M. L. Dotaniya, M. Vassanda Coumar, N. K. Sinha, Sanjay Srivastava, A. K. Tripathi, S. Kundu	July 2011 to June 2016	55.95
123.	Non point sources of phosphorus loading to upper lake, Bhopal.	Drs. M. V. Coumar, M. L. Dotaniya, Vasudev Meena J. Somasundaram, J.K. Saha, S. Kundu	April 2011 March 2014	5.92
124.	Development of phosphorus saturation indices for selected Indian soils.	Drs. I. Rashmi, Neenu S., K. S. Reddy, A. K. Biswas, A. Subba Rao	April 2011 April 2014	6.05
125.	Characterizing rooting behaviours, soil water patterns and nutrient uptake of soybean – chickpea under different tillage and water regimes in Vertisols.	Drs N. K. Sinha, M. Mohanty, Ritesh Saha, I. Rashmi, K.M. Hati, J. Somasundaram	June 2011 to December, 2014	33.67
126.	Evaluating Conservation Agriculture for Stabilizing Crop Productivity and Carbon Sequestration by Resilient Cropping Systems/Sequences under aberrant Climatic Conditions in Black Soils of Central India (NICRA) (External funded)	Drs. J. Somasundaram, R. S. Chaudhary, M. V. Coumar, K. M. Hati, A. Subba Rao, Pramod Jha, K. Ramesh, Ajay	September 2011-14	75.00
127.	Developing technique for acceleration of decomposition process using thermophilic organisms	Drs Asha Sahu, U. B. Singh (NBAIM), J.K. Thakur, V. K Bhargav (CIAE), H.L. Kushwaha (CIAE), Asit Mandal, M.C. Manna, A.S. Rao	September 2011 to December 2015	13.85
128.	Soil Resilience and its Indicators under Some Major Soil Orders of India.	Drs Ritesh Saha, K.M. Hati, Pramod Jha, M. Mohanty, M.V. Coumar, R.S. Chaudhary	March 2011 to February 2014	7.25
129.	Consequences of transgenic cotton on soil microbial diversity	Drs. Asit Mandal, J.K. Thakur, Asha Sahu, M.C. Manna	March 2011 to March 2014	7.20
130.	Chemical and Microbiological Evaluation of Biodynamic and Organic Preparations.	Drs. J. K. Thakur, Asha	June 2011 June 2014	4.60

		Sahu, Asit Mandal, A. B. Singh.		
131.	Greenhouse gas emission from composting system and characterization of green house gas regulating microbes.	Drs. K. Bharati, J.K. Saha, S.R. Mohanty, Shinogi K. C.	June 2012 June 2016	1.19
132.	Novel Bio-filtration method using selected mesophilic fungi for of heavy metals from municipal solid waste in M.P. (External funded)	Drs. M.C. Manna, Asit Mandal, Asha Sahu, J. K. Thakur, S. Ramana, A. Subba Rao	July 2012 to July 2014	4.88
133.	Quantifying Green House Gas (GHGs). Emission in soybean wheat system of Madhya Pradesh	Sangeeta Lenka, N.K. Lenka, S. Kundu, A. Subba Rao	31/3/2011 to 31/09/2014 extended to 31 December 2016	13.20
134.	Biochar on soil properties and crop performance	Drs. Brij Lal Lakaria, Pramod Jha, A.K. Biswas K.M. Hati, J. K. Thakur, M. V. Coumar, A. K. Dubey (CIAE), S. Gangil (CIAE)	January 2012 to March 2017	3.20
135.	Metagenomic characterization and spatio-temporal changes in the prevalence of microbes involved in nutrient cycling in the rhizoplane of bioenergy crops. (External funded)	Drs. S.R. Mohanty, Asit Mandal, K. Bharati	November 2011 to November 2014	52.63
136.	Interactions among tannery effluents constituents on heavy metals uptake by spinach	Drs. M. L. Dotaniya, J. K. Saha, Rajendiran S., M. Vassanda Coumar, S. Kundu	January 2012 to December 2016	14.00
137.	Integrated assessment of some IISS Technologies in Enhancing Agro-Ecosystems productivity and livelihood sustainability	Drs Shinogi K.C., Sanjay Srivastava, A.B. Singh, D.L.N. Rao, Radha T.K., B.P. Meena, N.K. Sinha, Hiranmoy Das	January 2013 to July 2016	9.83
138.	Nano-particle delivery and internalization in plant systems for improving nutrient use efficiency	Drs. R. Elanchezian, A.K. Biswas, Tapan Adhikari, K. Ramesh, S. Kundu, A.K. Shukla, A. Subba Rao	July 2013 to June 2015	50.00

139.	Evaluation of plant nutrition product (NP-1) for nutrient use efficiency in cereal crops (Sponsored by Nagarjuna Fertilizers and Chemicals Pvt. Ltd., Hyderabad)	Drs. R. Elanchezian, A.K. Biswas, K Ramesh, N.K. Lenka, A. Subba Rao	December 2012 to June 2015	18.48
140.	Effect of urea pastilles productivity and nutrient use efficiency in some soils of India Sandvik India Pvt. India (Contractual /Consultancy Project)	Drs. Pramod Jha, B.L. Lakaria, A.K. Biswas, Pradip Day, A. Subba Rao B. Kumar-Ranchi, S.R. Singh –Barrackpur	November 16 th , 2012 to November 2014	16.07
141.	Investigations on the safe use of sludge in agriculture land generated from effluent from plant of a soft drink. (Contractual /Consultancy Project)	Drs. J.K. Saha, A. Subba Rao, S. Kundu, M. V. Coumar	2013-2014	18.53
142.	Evaluating rock phosphates for their suitability for direct application	Drs. Sanjay Srivastava, K. Ramesh, A.K. Tripathi, I. Rashmi, P Dey	October 2013 to May 2018	14.00
143.	Evaluation of modified urea materials and agronomic interventions for enhancing nitrogen use efficiency and sustaining crop productivity	B.P. Meena, K. Ramesh Neenu, S., R. Elanchezian	October 2013 September 2017	46.42
144.	Impact of Long Term Use of Sewage Water Irrigation on Soil and Crop Quality in Bhopal region of Madhya Pradesh	Vasudev Meena, M. L. Dotaniya, M. V. Coumar Rajendiran S., Asha Sahu, S. Kundu	August 2013 to July 2016	10.00
145.	Testing a new slow release 14-7-14 NPK fertilizer for its efficiency under field conditions (Contractual)	Drs. Sanjay Srivastava, K. Ramesh, P. Dey, A.K. Biswas, A. Subba Rao	July 2013 to June 2014	6.68
146.	Biodegradation of pesticides under changing climate and metagenomic profiling of functional microbes. (External funded)	Drs. K Bharati, T K Radha, S R Mohanty	December 2013-April 2017	23.89
147.	Determination of Baseline Concentration for Delineating Contaminated Areas in Black Soils of central India	ML Dotaniya., J. K. Saha S. Kundu, H. Das, Rajendiran S	May 2014 to May 2018	14.60
148.	Archaea and Actinobacteria in Vertisols of Central India-Assessment of Diversity, Biogeochemical Processes and Bioinoculant Potential (Externally funded project from AMAAS) (External funded)	Drs. D.L.N. Rao, S.R. Mohanty, K. Bharati, T.K. Radha	July, 2014 to March 2017	80.83

149.	Evaluation of efficacy of polysulphate on oil seed crops (soybean-mustard)	K. Ramesh, Sanjay Srivastava, A.K. Biswas	July 2014 to June 2015	5.03
150.	Evaluation of urease inhibitor product (limus) for nutrient use efficiency in cereal crops (Consultancy/Contract research project)	Brij Lal Lakaria, Pramod Jha, B.P. Meena, A.K. Biswas	July 2014 to June 2016	17.84
151.	Evaluation of nano-nutrients product (NUALGI) for improving nutrient use efficiency of crops	R. Elanchezian, A.K. Biswas K. Ramesh, A.K. Shukla, J.K. Thakur, A.K. Patra	July 2014 to June 2015	11.75
152.	A Rapid Soil Test Kit for making soil test based fertilizer recommendations and preparing soil health card with respect to soil fertility parameters (Contractual/Consultancy)	Sanjay Srivastava, Pramod Jha, Neenu S, I Rashmi, Tapan Adhikari, A.K. Biswas, P. Dey, A K Patra	Nov. 2014 to Feb 2015	14.18+5.319 =19.319
153.	Critical limits of Cd for major soil orders of India	M. Vassanda Coumar, Rajendiran S., M.L. Dotaniya, J.K. Saha, Tapan Adhikari, Ajay	July 2015 June 2018	17.80
154.	Assessment of important soil properties of India using mid-infrared spectroscopy	K.M. Hati, M. Mohanty, Pramod Jha, R.S. Chaudhary, N.K. Sinha, J.K. Thakur, M. Vassanda Coumar, Pradip Dey, Muneshwar Singh, A.K. Patra, Javed Rizvi	May 2015 to June 2018	17.00
155.	Assessment of Cotton for the remediation of soils contaminated with heavy metals	S. Ramana, A.K. Tripathi, K. Bharati, Asha Sahu	June 2015 to May 2018	6.10
156.	Integrated assessment of soil and crops for enhancing productivity and C-sequestration potential of Vertisols of central India under changing climate scenarios (NICRA) (External funded)	M. Mohanty, Pramod Jha, Sangeeta Lenka, J. Somasundaram, N.K. Sinha, R.S. Chaudhary, Muneshwar Singh	Feb 2015 to March 2018	45.00
157.	Metagenomic mapping of microbial diversity in rhizosphere of major crops of India and Argentina offsetting production potential. (External funded)	S.R. Mohanty, A.K. Patra, K. Bharati, Muneshwar Singh, J.K. Thakur	May 2015 to May 2018	69.70
158.	Weed Management for major cropping systems under conservation agriculture in Vertisols	A.K. Vishwakarma, R.S. Choudhary, N.K. Sinha, B.P. Meena, K. Bharati, Scientist from DWR,	June 2014 to May 2017	6.00

		Jabalpur		
159.	Standardization of foliar feeding of zinc for correcting its deficiency and grain enrichment in wheat	Pankaj Tiwari, A.K. Shukla, R. Elanchezhian, B.P. Meena	October 2014 – June 2017	6.10
160.	Use of nano sensors network for field detection of temperature and moisture stress in plant and soil. (External funded)	Tapan Adhikari, S. Kundu, C.D. Singh, Ajay Kumar, N.K. Sinha, A.K. Patra, Navkanta Bhat, K.S. Subramanium and Bajendra	April 2015 to March 2016	385.00
161.	Conversion of naturally occurring plant nutrient containing minerals into nano form by top down approach to enhance the availability of plant nutrients in soil and faster reclamation of problem soils (External funded)	Tapan Adhikari, S. Kundu, A.K. Shukla, K. Ramesh, Sudeshana Bhattacharya, J.K. Saha, A.K. Patra	April 2015 to March 2016	
162.	Evaluation of efficacy of sulphur and zinc containing complex fertilizers for maximizing yield through balanced nutrition of different crops in India (Funded by Zuari Agro Chemicals Limited)	A.K. Shukla, A.K. Biswas, Sanjay Srivastava, Pankaj K. Tiwari, B.P. Meena	10 April 2015 to March 2018	131.40
163.	Evaluation of efficacy of zinc metalosate and boron metalosate foliar supplements for maximizing yield through balanced nutrition of important crops grown in India (Funded by Indofil Industries Limited)	A.K. Shukla, A.K. Biswas, B.P. Meena Pankaj K. Tiwari	22 June 2015 to March 2018	112.91
164.	Simulating the effect of elevated CO ₂ and temperature on water productivity and nutrient use in soybean-wheat cropping system. (External funded by NASF)	N.K. Lenka, Sangeeta Lenka, A.K. Shukla, R. Elanchezhian, J.K. Thakur, I. Rashmi, Pradip Dey, P. Chandra, K.K. Singh	22 June 2015 to June 2018	139.85
165.	Isolation and characterization of heavy metal resistant bacteria & evaluation for their use in agriculture (Collaborative project from ICAR-NBAIM, MAU) (External funded)	M.C. Manna, A. Mandal, Asha Sahu, J.K. Thkaur	May 2014 to March 2017	46.64
166.	Enhancing Resource Use Efficiency in Pulse Based Cropping System in Central India (Collaborative project from ICAR-IIPR, Kanpur) (External funded)	R. Elanchezhian, Abhay Shirale	July 2014 to June 2017	54.00

167.	Upgrading Mridaparikshak mini lab Technology-Addition of five parameters viz. available Copper, Manganese. Lime requirement, Gypsum and Calcareousness in mridaparikshak (M/s Nagarjuna Agro Chemicals Pvt. Ltd. Hyderabad) (External funded)	Sanjay Srivastava, Pramod Jha, I. Rashmi, Abhay Shirale, A.K. Biswas, Pradip Dey, Ashok K. Patra	Dec 2015 to April 2016	11.28
168.	Determination of critical limits for identifying heavy metals contamination and their threats in major soil types of India (ICAR-Extra Mural Project) (External funded)	J.K. Saha, M.V. Coumar, S. Rajendiran, M.L. Dotaniya, N.S. Bhogal	Jan 2016 March 2017	23.40
169.	In-situ residue decomposition of rice-wheat and sugarcane for enhancing crop productivity and soil health (ICAR-Extra Mural Project) (External funded)	M.C. Manna, Asha Sahu, R.C. Singh, J.K. Thakur, Asit Mandal, Sudeshna Bhattacharjya, A.K. Tripathi, A.K. Patra, D.H. Phalkel	Jan 2016 to March 2018	29.70
170.	Soil quality assessment and developing indices for major soil and production regions of India. (funded by ICAR Extramural)	N.K. Lenka, A.K. Biswas, Rajendiran S, S. Kundu, Sangeeta Lenka, N.K. Sinha, Abhay Shirale, A.K. Viswakarma, R.H. Wanjari, B.L. Lakaria, B.P. Meena, A.B. Singh, A.K. Patra, Muneshwar Singh, D.L.N. Rao, A.K. Shukla, Pradip Dey	April 2015 to 30 September 2017	112.80
171.	Response of crop to applied Potassium in Vertisols of India. (Sponsored project PRII Gurgaon)	Dr. Muneshwar Singh, R.H. Wanjari, B.L. Lakaria, Abhay Shirale	June 2015 to May 2018	49.50
172.	Development of customized fertilizer solutions to promote balance fertilization in selective agriculturally important states of India towards crop productivity and farm profitability funded by Indogulf Fertilizers	Pradip Dey, Sanjay Srivastava, A.K. Biswas and A.K. Patra	May 2015 to April 2016	12.00
173.	Hyper-spectral remote sensing approaches to evaluate soil quality and crop productivity of central India under DST sponsored Network Project on Hyper-spectral Big Data Analytics. (External funded)	M. Mohanty, N.K. Sinha, K.M.Hati, Ritesh Saha, Pradip Dey, R.K. Singh. R.S. Chaudhary, Bharat Bhaskar Gaikwad and A.K. Patra	April 2016 to March 2019	39.65

174.	Development, adaptation and refinement of location specific CA practices for enhancing productivity and profitability of rainfed eco-systems (Consortium Research Platform on Conservation Agriculture (External funded)	A.K. Biswas, R.S. Chaudhary,	April 2015 to March 2017	350.00
175.	The "Aquasorb" project Effect of aquasorb on water and nutrient use efficiency & crop productivity of soybean & tomato in selected soils of India (Funded by SNF India Pvt. Ltd. Vishakhapatnam	R.S. Chaudhary, R.K. Singh, K.M. Hati, B.P. Meena, A.K. Biswas, M. Mohanty and A.K. Patra	13 July 2016 to June 2018	22.56
176.	Reclamation and rehabilitation of copper mining affected land in Malanjkhand area of Madhya Pradesh (Hindustan Copper Limited)	Ajay, Tapan Adhikari, Asit Mandal J.K. Saha	April 2016 to March 2021	25.00
177.	India-UK nitrogen Fixation Centre ((IUNFC)	D.L.N. Rao, S.R. Mohanty	June 2016 to June 2019	676.784
178.	Ensuring food security, sustainability and soil health through resource conservation based farmer FIRST approach in central India	A.K. Vishwakarma, R.K. Singh, A.B. Singh, B.L. Lakaria, R.H. Wanjari, K. Bharati, Asha Sahu, Shinogi K.C. and Abhay O. Shirale	March 2016 to March 2018 extended up to March 2020	70.25
179.	Impact of viscose staple fibre industry treated effluent on soil health and crop production surroundings Nagda, M.P funded by M/s Grasim Industries Limited, Nagda, Ujjain, M.P.	M.L. Dotaniya, J.K. Saha, Tapan Adhikari, Rajendiran S., R.H. Wanjari, Sonalika Sahu and A.K. Patra	7 June 2017 to 06 June 2020	67.55
180.	Management of Municipal Solid Waste (MSW) contaminated landfill area of Bhanpur, Bhopal	Ajay, Tapan Adhikari, K. Bharati, Asit Mandal and J.K. Saha	November 2016 to October 2019	13.00
181.	Effect of slow N release formulations for enhancing productivity and nitrogen use efficiency in cereals sponsored by Rhodia Specialty Chemicals India limited, Mumbai	B.L. Lakaria, Pramod Jha, Sanjay Srivastava, A.K. Vishwakarma, A.K. Biswas and A.K. Patra	21 June 2017 to 20 June 2018	12.51500
182.	Evaluation of Soil Test Kit of Warkem, Mumbai	Sanjay Srivastava, Pramod Jha, Abhay	23 August, 2017 to 22 February	5.35

		Shirale, M. Vassanda Coumar, Gurav Priya Pandurang, A.K. Biswas, Pradip Dey and A.K. Patra	2018	
183.	Use of fly ash in agriculture for sustainable crop protection and environmental protection (NTPC, Noida)	J.K. Saha, M. Vassanda Coumar, Sonalika Sahoo, A.K. Patra, Tapan Adhikari, Ajay, K.M. Hati, M.L. Dotaniya, Sangeeta Lenka, Asit Mandal, A.K. Vishwakarma	30 August, 2017 to 29 August 2027	1257.066
184.	Development of an automated soil nutrient sensing system funded by NASF	Sanjay Srivastav, A.O. Shirale, P.S. Tiwari (ICAR-CIAE, Bhopal), Vijay Kumar (ICAR-CIAE, Bhopal), Ramesh Kumar Sahani (ICAR-CIAE, Bhopal), Baban Kumar (CSIR-CSIO, Chandigarh), Neelam (CSIR-CSIO, Chandigarh)	9 May 2017 to 8 May 2020	145.8374
185.	Exploring soil microbial community and mechanism in soil carbon sequestration under long term land uses in semi-arid sub-humid Central India	S. Bhattacharjya	10 August 2017 to 9 August 2020	43.982
186.	Assessing greenhouse gas emission and soil carbon storage with reversal in tillage practice	Sangeeta Lenka, N.K.Lenka, Sonalika Sahoo, Sudeshna Bhattacharjya	June 2016 to May 2021	65.00
187.	Vulnerability and impact assessment of climate change on soil and crop production in Madhya Pradesh (Funding Agency:UNDP-GEF-MOEFCC)	Sangeeta Lenka, N. K. Lenka, Manoranjan Mohanty, R. H. Wanjari, A. K. Patra	June 2017 to December 2018	17.71
188.	Effects of long term use of fertilizer and manure amendments on soil functional diversity and nutrient supplying capacity under different soils	Sudeshna	April 2016 to

	and cropping systems	Bhattacharjya, Asha Sahu, M.C. Manna	March 2021	
189.	Enhancing the productivity of major crops through improving the natural resource base of tribal inhabited areas of central India	Shinogi K.C., Sanjay Srivastava, Ankush Lala Kamble, B.P. Meena, N.K. Sinha, K. Bharati, Gurav Priya Pandurang, A.K. Tripathi, R.L. Raut (KVK, Balaghat), Aparna Jaiswal (COA, Balaghat)	December 2017 to	
190.	Evaluation of potential of indigenous source of potassium for crop production and K supply	A.O. Shirale, Gurav Priya Pandurang, Sanjay Srivastava, BP Meena and AK Biswas	November 2017 to November 2020	
191.	Enhancing decomposition rate and quality of bio-waste through microbial consortia for improving soil health funded by NASF	M.C. Manna, Asha Sahu, S. Bhattacharjya, A.B. Singh, A.K. Tripathi, J.K. Thakur, Dolamani Amat	March 2017 to Jan 2021	141.10991
192.	Sustainable adaptive management of water resources to variable climates of Madhya Pradesh funded by ICARDA	M. Mohanty, N.K. Sinha, A.K. Patra	April 2018 to March 2021	12.62
193.	Assessing the impact of imbalanced use of chemical fertilizer on soil health using a soil function based quantitative approach	N.K. Lenka, B.P. Meena, Sangeeta Lenka, AO Shirale, R.H. Wanjari, M.L. Dotaniya, R.K. Singh	May 2018.....	40.20
194.	Mineralogy of Vertisols in relation K availability in central and western India	Gurav Priya Pandurang, AO Shirale, B.P. Meena, B.L. Lakaria, Sanjay Srivastava, P. Chandran (ICAR-NBSS&LUP. Nagpur)	June 2018 to Dec 2023	14.25