

Details of on-going Projects under Shodh Nidhi

S. No	Project Title	Principal Investigator & Institute	Duration (Years)	Total Project Cost (Rs. Lakh)	Date of Start
A.	Natural Resource Management and Engineering				
1	Water management through drip irrigation for better plant growth and quality production rose and gerbera.	Dr. Anil Kumar Singh, Professor, Department of Horticulture, Institute of Agricultural Sciences, BHU, Varanasi.	03	17.38	05-11-2020
2	Design and development of ergonomically efficient fruit harvesters for mango, guava and bael.	Dr. Anil Kumar Verma, Senior Scientist, ICAR-CISH, Lucknow.	03	18.92	05-11-2020
3	Combating sub-soil sodicity constraints of central indo-gangetic plains of Uttar Pradesh for enhancing crop productivity.	Dr. S.K. Jha, Principal Scientist, ICAR-CSSRI, Regional Research Station, Lucknow.	03	17.99	09-10-2020
4	Microbially mediated paddy and wheat crop residue decomposition to enhance soil nutrient recycling and soil health management.	Dr. Sanjay Arora, Principal Scientist (Soil Science), ICAR-CSSRI, Regional Research Station, Lucknow.	03	17.93	01-07-2020
5	Development of fuzzy logic based automated micro-irrigation system powered by phyllotaxy pattern solar tree for agricultural and horticultural crops.	Dr. Ashutosh Kumar Singh, Assistant Professor, Department of Electronics & Communication Engineering, IIIT, Prayagraj.	03	20.74	09-10-2020

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B.	Crops Sciences				
6	Selection for high grain yield and nutritional qualities aimed at wide adaptation in finger millet (<i>Eleusine coracana</i> L.).	Dr. Kamaluddin, Associate Professor, Genetics and Plant Breeding, BUAT, Banda.	03	17.05	09-10-2020
7	Development of multiple disease resistant urdbean varieties for Bundelkhand region.	Dr. Chandra Mohan Singh, Assistant Professor, Department of Genetics and Plant Breeding, BUAT, Banda.	03	14.91	09-10-2020
8	Genetic enhancement for terminal heat tolerance in bread wheat (<i>Triticum aestivum</i> L.) with conventional and molecular breeding approaches.	Dr. Hitesh Kumar, Assistant Professor Department of Genetics and Plant Breeding, BUAT, Banda.	03	16.78	09-10-2020
9	Genetic enhancement for terminal heat tolerance in bread wheat (<i>Triticum aestivum</i> L.) with conventional and molecular breeding approaches.	Dr. Shambhoo Prasad, Associate Professor (Plant Biotechnology), ANDUAT, Ayodhya.	03	16.78	09-10-2020
10	Identification of promising short grain aromatic rice lines for organic cultivation.	Dr. P.K. Singh, Professor, Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, BHU, Varanasi.	03	21.45	10-07-2020
11	Evaluation and characterization of climate resilient genotype of Indian mustard against abiotic stress (drought, heat).	Dr. Kartikeya Srivastava, Professor, Department of Genetics & Plant Breeding, Institute of Agricultural Sciences, BHU, Varanasi.	03	15.05	05-11-2020
12	Development and evaluation of annual moringa for food, fodder and nutritional content in Uttar Pradesh.	Dr. Vidya Sagar, Scientist, ICAR-IIVR, Varanasi.	03	13.64	06-10-2020

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13	Development and evaluation of annual moringa for food, fodder and nutritional content in Uttar Pradesh.	Dr. Manjanagouda S. Sannagoudar, Scientist, Indian Grassland and Fodder Research ICAR-IGFRI, Jhansi.	03	13.97	03-11-2020
14	Breeding dual purpose barley varieties for fodder and grains.	Dr. Ajay Kumar Singh, Senior Scientist (Plant Breeding), Crop Improvement Division, ICAR-IGFRI, Jhansi.	03	12.71	03-11-2020
C.	Horticulture Sciences				
15	Improvement of chironji (<i>Buchanania lanzan</i> Spreng) through selection from existing germplasm resources.	Dr. Akhilesh Kumar Srivastava, Associate Professor & Head, College of Horticulture, BUAT, Banda.	03	15.13	09-10-2020
16	Improvement of chironji (<i>Buchanania lanzan</i> Spreng) through selection from existing germplasm resources.	Prof. (Dr.) Antony J. Raj, Professor, Forestry and Agroforestry, SHUATS, Prayagraj.	03	14.85	09-10-2020
17	Evaluation of Kharif onion germplasm/varieties suitable for Bundelkhand region of Uttar Pradesh with good agricultural practices for uplifting of livelihood of farmers.	Dr. R.K. Singh, Associate Professor, Vegetable Science, BUAT, Banda.	03	11.83	13-10-2020
18	Identification of suitable varieties/hybrids of cucurbitaceous crops and development of production protocol for better livelihood of river bed (<i>diara</i> land) farming community.	Dr. R.K. Dubey Principal Scientist ICAR-IIVR, Varanasi.	03	22.39	09-10-2020
	Production of Poly-hydroxy Butyrate (PHB) bio Polymer from <i>Azohydromonas australica</i> using cane molasses.	Dr. Mohd. Haris Siddiqui, Director, IIAST, Integral University, Lucknow.	03	20.30	09-10-2020
D.	Plant Protection Sciences				

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20	Management of wilt disease in pulse crops using bio- formulations.	Dr. Ankita Sarkar, Assistant Professor, Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, BHU, Varanasi.	03	16.67	05-11-2020
21	Management of wilt disease in pulse crops using bio- formulations.	Dr. Naimuddin, Principal Scientist, Division of Crop Protection, ICAR-IIPR, Kanpur.	03	16.39	05-11-2020
E.	Veterinary, Animal Husbandry, Dairy and Fisheries				
22	Conservation and phenotypic documentation of Mirzapuri Goat breed.	Dr Priya Ranjan Kumar, Assistant Professor, Faculty of Veterinary & Animal Sciences, Institute of Agricultural Sciences, BHU, Varanasi.	03	16.34	05-11-2020
23	Conservation and phenotypic documentation of Mirzapuri Goat breed.	Dr. Chetna Gangwar, Scientist, ICAR-CIRG, Mathura.	03	18.21	05-11-2020
24	Development of follicle stimulating hormone eluting nanosuspension to augment multiple ovulation and embryo transfer for ex-situ conservation of elite indigenous cattle.	Dr. Manish Kumar Shukla, Associate Professor, College of Veterinary and Animal Science, SVPUAT, Meerut.	03	21.89	31-08-2021
25	Formulation and evaluation of ethosoms a novel transdermal delivery system for enhanced antimicrobial and antidermatophytic effect of essential oils.	Dr. Akhilesh Kumar, Scientist, ICAR-IVRI, Bareilly.	03	14.96	09-10-2020
26	Development of immuno-chromatographic strip assay for on-site sero-diagnosis of Japanese encephalitis in swine.	Dr. Himani Dhanze, Scientist, Div. of Veterinary Public Health, ICAR-IVRI, Bareilly.	03	18.48	09-10-2020

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27	Development of suitable model to harvest the optimum potential of fish production in sodic soil of Uttar Pradesh.	Dr. Laxmi Prasad, Assistant Professor, College of Fisheries, ANDUAT, Ayodhya.	03	18.87	13-10-2020