

TECHNICAL PROGRAMME

<i>Day 1</i>	<i>November 27, 2018</i>	
09:30-11:30am	<i>Inauguration of EIAEASSD-2018</i>	
11:30-11:45am	<i>High tea</i>	
11:45am-12:45pm	<i>Technical Session I</i>	
	<i>Theme 1: Crop Production Technology and precision Agriculture</i>	
	Chairperson	<i>Prof. (Dr.) Gautam Ghosh, Dean, NAI, SHUATS, Allahabad, U.P.</i>
	Co - Chairperson	<i>Dr. Vikram Singh, Associate Professor, Dept. of Agronomy, NAI, SHUATS, Allahabad U.P.</i>
	Rapporteurs	<i>Dr. Rajesh Singh, Assistant Professor, Dept. of Agronomy, NAI, SHUATS, Allahabad, U.P.</i> <i>Dr. C Umesh, Assistant Professor, Dept. of Agronomy, NAI, SHUATS, Allahabad, U.P.</i>
	<i>Keynote Address/Plenary Talk/Invited Lectures/Lead Lectures</i>	
	Challenges and Strategies for Sustainable Development	<i>Prof. Rajendra B. Lal Vice Chancellor, SHUATS, Allahabad</i>
	Composting and utilization of <i>Eichhorniacrassipes</i> in Mushroom cultivation in Nepal	<i>Dr. Sanjay Kumar Jha, Associate Professor, Central Department of Botany, Tribhuvan University, Kathmandu- 26429, Nepal.</i>
	<i>Oral Presentations</i>	
	Effect of water stress and sowing date on Heat Use Efficiency (HUE) and Radiation Use Efficiency (RUE) of wheat (<i>Triticumaestivum</i> L.)	<i>Dr. Himani Bisht, ICAR-Indian Agricultural Research Institute, New Delhi</i>
	Recent Advances in Weed Management	<i>Prof. (Dr.) Joy Dawson, Head, Dept. of Agronomy, SHUATS, Allahabad</i>
	Sugarcane Cultivation for Sugar vis a vis Energy security in India	<i>Dr. D. N. Kamat, Head, SRI, DRPCA, Pusa, Samastipur, Bihar</i>
	Sugarcane based Integrated Farming Systems: An emerging approach for sustainable development	<i>Ekta Singh, Dept. of Agronomy, SHUATS, Allahabad</i>
	Effects of Fertility level and plant density on productivity and profitability of rabi maize in Bihar	<i>M. K. Singh, Bihar Agricultural University, Sabour</i>
	Growth parameters of direct-seeded rice as influenced by crop establishment methods and zinc fertilization	<i>Dr. Sushil Kumar, Scientist, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi</i>
	Computation basic parameters for the development of STCR based fertilizer prescription equations fo direct seeded rice	<i>Vijay Kant Singh, Dept. of Soil, Science, GBPUAT, Pantnagar</i>
	Effect of cytoplasm and cytoplasmic- nuclear interaction on downy mildew resistance in pearl millet	<i>Anil Kumar, SRF, Bajra Section, Dept. of GPB, CCSHAU, Hisar</i>

TECHNICAL PROGRAMME

12:45-01:45pm	Technical Session II	
	Theme 2: Soil Health Management and Conservation of Natural Resources	
	Chairperson	<i>Dr. Amit Chhatree, Head, Dept. of Chemistry, SHUATS, Allahabad</i>
	Co - Chairperson	<i>Dr. S.N. Ray, Head, Department of Entomology, Bihar Agricultural University, Sabour,</i>
	Rapporteurs	<i>Dr. D. N. Kamat, Assistant professor, DRPCA, Pusa</i> <i>Dr. Rama Kant Singh, Scientist (Soil Science), KVK, Katihar</i>
Invited/lead Lectures		
	Sustainable Livelihood options for Nutritional and Food Security through Aquaculture and Marine Biotechnology	<i>Dr. Arun S. Ninawe, Ex-Advisor, DBT, Govt. of India, New Delhi</i>
Oral Presentations		
	Soil and water management strategies for increasing income from cashew orchards and conservation of natural resources	<i>Dr. Shamsudheen Mangalassery, ICAR-Directorate of Cashew Research, Darbe (PO), Puttur</i>
	Influence of planting techniques and nutrient sources on soil health and yield of rice in western Uttar Pradesh	<i>Dr. Satendra Kumar, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut</i>
	Monitoring of one time land application of treated spentwash on soil health and crop yield.	<i>Dr. M.B. Doddamani, Dept. of Environmental Science, College of Agriculture, UAS, Dharwad</i>
	Enzymatic Activities and Microbial biomass carbon of degraded soil under various treatments in a North Western Arid regions, India	<i>A. N. Singh, Department of Botany, Punjab University, Chandigarh</i>
	Enhancing growth and yield of Chickpea (<i>Acer arretinum. L.</i>) under drought conditions through seed priming with inorganics.	<i>B. Kumera, S.A. John and Prof. (Dr.) P.W. Rameke, Dept. of Biological Sciences, SHUATS, Allahabad</i>
01:45-02:30pm	Lunch Break	
02:30-03:30pm	Concurrent Poster Presentation Session	
	Theme3: Recent Trends In Biological and Allied Sciences	
	Theme4: Recent Trends In Applied Sciences for Sustainable Development	
02:30-03:30pm	Technical Session III	
	Theme 3: Climate change and its effect on Environmental Ecology and mitigation strategies	
	Chairperson	<i>Prof. (Dr.) Arif A Broadway, Director Extension, SHUATS, Allahabad</i>
	Co - Chairperson	<i>Dr. Ashish Noel, Head, Dept. of Agriculture Economics, NAI, SHUATS, Allahabad, U.P.</i>
	Rapporteurs	<i>Dr. Ram Bharose, Incharge, Dept. of Environmental Science and NRM, SHUATS, Allahabad</i> <i>Dr. H. B. Paliwal, Assistant Professor, Dept. of Environmental Science and NRM, SHUATS,</i>

TECHNICAL PROGRAMME

Invited/lead Lectures		
	Climate Change	<i>Prof. (Dr.) A.R.Siddique, Dept. of Geography, University of Allahabad, Allahabad</i>
Oral Presentations		
	Estimation of variability in Wheat (Triticumaestivum.L) Production under different management practices using WOFOST Simulation model	<i>Vivesh Singh, N. D. University of Agriculture & Technology, Narendra Nagar (Kumarganj), Faizabad- (U.P.)</i>
	Composting For Solid Wastes Reduction And Its Use In Agriculture For Adaptation To Climate Change	<i>Hiranmai Yadav Central University of Gujarat</i>
	Development of soil less strawberry production system for NothWetern Himalayan region in passively ventilated polyhouse condition	<i>Dr. Wasim Hasan Raza, ICAR-CITH, Srinagar</i>
	Evaluation of Genetic variability and Heritability on influence of corresponding biochemical and yield parameters of different genotypes of Garden Pea, var. Hortense under Allahabad Agro-climatic condition.	<i>-Nadiya Hasan, Dr. Suchit A. John, Prof. (Dr.) P.W.Ramteke, Department of Biological Sciences, SHUATS</i>
03:30-03:45pm	Evening Tea Break	
03:30-05:00pm	Technical Session IV Theme 4: Eco-friendly Management of conventional and newly emerging plant diseases and insect pest	
	Chairperson	<i>Dr. Sanjay Kumar Jha, Associate Professor, Central Department of Botany, Tribhuvan University, Nepal</i>
	Co - Chairperson	<i>Dr. Sajeed Ali, Assosiate Professor, RRS (Hill Zone), UBKV, Kalimpong</i>
	Rapporteurs	<i>Dr. Seema Kumari, Senior Scientist & Head, KVK, Purnea Dr. Manibhusan Thakur, Asst. Prof., BAU, Sabour</i>
Invited/Lead Lectures		
	Charcoal Rot: Disease Biology and Management Option	<i>Dr. Abhijeet Ghatak, Asst. Proffesor, Bihar Agricultural University, Sabour</i>
	Epidemiology and its role in plant disease management	<i>Dr. K. P. Singh, Professor, GBPUA&T, Pantnagar</i>
Oral Presentations		
	Sclerotinia stem rot disease in Indian mustard: Molecular means to unleash the multifaceted mechanism of pathogenesis	<i>Dr. Navin Chandra Gupta, Scientist, ICAR-National Research Centre on Plant Biotechnology, New Delhi.</i>
	Effect of Aspergillusflavus infection on quality of dry chillies and seed parameters under different storage conditions by using different storage bags	<i>K. Madhusudhan Reddy, College of Horticulture, Sri Konda Laxman Telangana State Horticultural University, Hyderabad, Telangana</i>
	Study The Adoption Of Integrated Pest Management Practices In Wheat Crop In District Kannauj (U.P.)	<i>Supragykrishangopal, College of agricultural extension and communication, SHUATS, Allahabad</i>
	Occurrence of black point disease complex of wheat in eastern Uttar Pradesh	<i>D. N. Shukla, Dr. Rajendra Prasad Central Agricultural University, Pusa</i>

TECHNICAL PROGRAMME

	Integrated management of damping off disease of papaya seedling in nursery	<i>Dr. Ram Niwas Singh, Senior Scientist & Head, Plant Pathology, Krishi Vigyan Kendra, Sheohar, Block road, Sheohar, Bihar</i>
	Pathogenic Variability Of Red Rot Posing Serious Threat To Sugarcane Farmers	<i>Ms. Priyam Vandana, Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS), Allahabad, Uttar Pradesh, India</i>
06:00-08:00pm	Cultural Programme	
08:15-09:30pm	Dinner	
Day 2	November 28, 2018	
08:30-09:30am	Breakfast	
09:30-11:30am	Technical Session V	
	Theme 5: Doubling Farmers Income through Innovative Strategies, Business and marketing in agricultural sector for increasing livelihood	
	Chairperson	<i>Prof. (Dr.) Suresh B. G., Head, Dept. of GPBV, NAI, SHUATS, Allahabad, U.P.</i>
	Co - Chairperson	<i>Dr. Abhijeet Ghatak, Asst. Professor, Bihar Agricultural University, Sabour</i>
	Rapporteurs	<i>Dr. Mohammad Abbas Ahmad, Asst. Prof., DRPCA, Pusa, Bihar</i> <i>Dr. Ram Babu Sharma, KVK, Piprakothi</i>
	Keynote Address	
	Indian Agrocycle for Circular Economy	<i>Sir John Martin Thomas, Managing Director, Talesun Solar Energy - AGZUG, Switzerland</i>
	Oral Presentations	
	Increasing farmer's income using zero energy drip irrigation system	<i>Dr. Deepak Singh, ICAR-Indian Institute of Soil and Water Conservation, Dehradun</i>
	Comparative Analysis Of Constraints Affecting Farmers' Livelihood Strategies In Eastern Uttar Pradesh, India And Adamawa State, Nigeria	<i>Gwandi O, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi</i>
	Economics of Mustard (Brassica juncea L.) Cultivation through Integrated Nutrient Management Practices	<i>Dr. Rama Kant Singh, Krishi Vigyan Kendra, Tingachhiya, Katihar - 854105 (Bihar)</i>
	Way of Doubling Sugarcane Farmers Income	<i>Dr. Satendra Kumar, Department of Agronomy, Genda Singh Sugarcane Breeding and Research Institute, UP</i>
	Integrated Farming System	<i>Dr. DINESH KUMAR S. P., Krishi Vigyan Kendra., Bagalkot</i>
	Role of Self Help Groups in Socio-Economic Development of Weaker Section Families in Ballia District of Eastern U.P, India	<i>Dr. Ajit Kumar Singh, Deptt. of Agricultural Economics, S. M. M. TOWN P.G. College, Ballia, (U.P.)</i>
	Millets And Sustainable Development	<i>Dr. Deepika Baranwal, Deptt. of Home Science, Arya Mahila PG College, BHU, Varanasi, U.P.</i>
	Role of Media in Swachh Bharat Mission	<i>Dr. Abha Mishra, M.J.M. Mahila College Katihar</i>
11:30-11:45am	Tea Break	

TECHNICAL PROGRAMME

11:45am-12:45pm		Technical Session VI Theme 6: Agroforestry, Pollution, Industrial waste , Human Health problems and Mitigation strategies
	Chairperson	<i>Sir John Martin Thomas, Managing Director, Talesun Solar Energy-AGZUG, Switzerland.</i>
	Co -Chairperson	<i>Dr. S D Singh 'Parihar', Associate Professor, Department of Education , Post Graduate College, Ghazipur</i>
	Rapporteurs	<i>Dr. Ratan Kumar, KVK, Rohtas</i> <i>Dr. AfaqWani, Associate Professor, College of Forestry, SHUATS, Allahabad</i>
Plenary Talk/Invited/Lectures/Lead Lectures		
	Industrial Waste Water Treatment	<i>Dr. Maulin P. Shah, Chief Scientist, Division of Applied & Env. Microbiology, Enviro Technology Limited, Ankleshwar, India</i>
	Secondary Metabolites and its role in health improvement	<i>PreetiMathur, Amity Institute of Biotechnology, Amity University, Lucknow</i>
Oral Presentations		
	Effective Utilization Of Phytoremediation Sewage Waste Water For Sustainable Agriculture	<i>Mahima Chaurasia, IET, DR. R. M. L. AVADH UNIVERSITY, FAZIABAD</i>
	High compatibility of crude anylases of <i>Aspergillusfumigatus</i> NTCC1222 with detergent formulations- an environment friendly alternative for detergent industry	<i>Dr. Shalini Singh, Department of Bioengineering and Biosciences, Lovely Professional University, Punjab</i>
	Characterization of forest plantations using Polarimetric-Interferometric technique	<i>Sadhana Yadav, Indian Institute of Remote Sensing , Dept. of Space , 4-Kalidas road , Dehradun, Uttarakhand,</i>
	Managing Environmental Pollution through Innovative Approaches	<i>Dr. S D Singh 'Parihar', Associate Professor, Department of Education , Post Graduate College, Ghazipur</i>
	Scope of Treated Municipality Wastewater Use in Irrigation at Agra District	<i>Dr. Rama Pal, Indian Institute of Soil and Water Conservation, Research Centre, Agra (U.P.)</i>
	Agro-industrial waste as source of nutraceuticals and health promoting molecules	<i>Dr. Mamta Shukla, Dr. Shakuntala Misra National Rehabilitation University, Lucknow</i>
12:45-01:45pm		Technical Session VII Theme 7: Innovative approaches in Agriculture Engineering, Computer Science, Bio informatics, Biotechnology for sustainable development
	Chairperson	<i>Prof. Harel Thomas, Professor, Department of Applied Geology, School of Engineering & Tech, Dr. Hari Singh Gaur Viswavidyalaya, Sagar, MP</i>
	Co -Chairperson	<i>Er. Vimlesh Kumar Pandey, Senior Scientist & Head, KVK, Saharsa</i>
	Rapporteurs	<i>Dr. Samir Ebson Topno, Assistant Professor, Dept. of Horticulture, SHUATS Allahabad</i> <i>Dr. Dinesh Kumar S. P., Scientist, KVK Bagalkot</i>

TECHNICAL PROGRAMME

Plenary Talk/Invited Lectures/Lead Lectures		
	Medical Geology: A Curriculum for Future	<i>Prof. Harel Thomas, Professor, Department of Applied Geology, School of Engineering & Tech, Dr. Hari Singh Gaur Viswavidyalaya, Sagar, MP, India</i>
Oral Presentations		
	Geochemical Assessment of Heavy Metals in the Sediments of Mangroves, Gulf of Kachchh, India	<i>Parul Maurya, School of Environment and Sustainable Development, Central University of Gujarat, Sector-30, Gandhinagar, Gujarat, India</i>
	Functional analysis and characterization of Endochitinase (ech42) gene from <i>Trichoderma harzianum</i>	<i>Dr. Mukesh Kumar, Department of Biotechnology, SVP University of Ag. & Tech. Meerut (UP) INDIA</i>
	Morphological and biochemical parameters associated with resistance to <i>Callosobruchus chinensis</i> Linn. in chickpea	<i>Dr. Mohammad Abbas Ahmad, Assistant Professor-Cum-Scientist, Department of Entomology RPCAU, Pusa (Samastipur) Bihar</i>
	Role of Nano material for Sustainable Development	<i>Dr. P.K. Shukla, Dept. of Biological Sciences, SHUATS, Allahabad</i>
	Impact of saturated hydrocarbons based formulations on the foraging behavior of <i>Trichogramma brasiliensis</i>	<i>Surabhi Singh, Amity Institute of Biotechnology, Noida, UP</i>
01:45-02:30pm	Lunch Break	
02:30-03:30pm	Concurrent Poster Presentation Session Theme1: Recent Advances In Agriculture and Allied Fields Theme2: Emerging Issues In Environmental Management	
02:30-03:30pm	Technical Session VIII Theme 8: Recent Trends in Horticultural and Allied Sciences	
	Chairperson	<i>Prof. (Dr.) Arjappa, Head, Dept. of Vegetable Crops, CoH, Bangluru</i>
	Co -Chairperson	<i>Dr. Vijay Bahadur, Head, Dept. of Horticulture, SHUATS, Allahabad</i>
	Rapporteurs	<i>Dr. Abhishek Pratap Singh, Scientist (Horticulture), KVK, Purnea</i> <i>Dr. Rajesh Kumar Ranjan, Assistant Professor, DRPCA, Pusa</i>
Plenary Talk/Invited Lectures/Lead Lectures		
	Diversity and abundance of insect pollinators in guava crop	<i>Dr. S.N. Ray, Department of Entomology, Bihar Agricultural University, Sabour, Bhagalpur, Bihar</i>
Oral Presentations		
	Effect of Integrated Nutrient Management on Yield and Nutrient Uptake of Chinese Cabbage Under Protected Condition	<i>Leharu Lal Regar, Department of Soil Science and Agricultural Chemistry, College of Agriculture, University of Agricultural Sciences, Dharwad, Karnataka</i>
	Identification of male-sterility in onion: A way of genetic improvement	<i>D. C. Manjunathgowda, Department of Vegetable Science, COH, Bengaluru-560 065</i>
	Evaluation of strawberry crops in temperate fruits for its adaptability and productivity in Rohtas District of Bihar	<i>Dr. Ratan Kumar, Scientist, KVK, Rohtas</i>

TECHNICAL PROGRAMME

	Divergence studies in Tomato genotypes for growth, yield and quality	Anita Kerketta and Vijay Bahadur, Dept. of Horticulture, SHUATS, Allahaba
	Effect of coating material on the shelf life and quality of Mango. Cv. Langra	Deena Wilson, A.K.Singh and Vijay Bahadur, Dept. of Horticulture, SHUATS, Allahabad
03:30-05:00pm	Technical Session IX Theme 9: Applied aspects of Microbiology in Food, Medical, Industrial, Agricultural and Environmental Development	
	Chairperson	Prof. (Dr.) P. W. Ramteke, Dean P.G. Studies, SHUATS, Allahabad
	Co -Chairperson	Prof. (Dr.) Shailesh Marker, Director Research, SHUATS, Allahabad
	Rapporteurs	Dr. K.P. Rao, Assistant Professor, Dept. of Biological Sciences, SHUATS, Allahabad Dr. Himanshu Pandey, Dept. of Pharmaceutical Sciences, SHUATS, Allahabad
Plenary Talk/Invited Lectures/Lead Lectures		
	Microbial remediation of industrial waste water and its reuse for plant growth promotion	Dr. TuhinaVerma, Associate Professor, Department of Microbiology, Dr. RammanoharLohia Avadh University, Faizabad – 224 001 (U.P.) India
	Microbial services in sustainability of agriculture and environment	Dr. Jay Shankar Singh, Assistant Professor, Department of Microbiology, BBA UniversityLucknow
Oral Presentations		
	Bioremediation of Pesticides using Cow Dung microorganisms in Two Phase Partitioning Bioreactor	Raman Kumar Ravi, School of Environment and Sustainable Development, Central University of Gujarat, Gandhinagar, Gujarat
	Bacterial Community Structure in Activated Sludge Process treating Textile Effluent	Ms. SwetaParimitaBera, Department of Biosciences, Veer Narmad South GujaratUniveristy, UdhnaMagdall Road, Surat, Gujarat
	Carbon Sequestration by microalgae and its subsequent use for bioenergy production	Smriti Mehrotra, School of Environment and Sustainable Development, Central University of Gujarat,
	Effect Of Storage Temperature On Survival Of RalstoniaSolanacearum In Potato Tubers, And Their Detection And Quantification Through Conventional And Molecular Techniques.	Dr. Rajesh Kumar Ranjan, Dr. Rajendra Prasad Central Agricultural University, Pusa
	Diversity and phylogeography of begomoviruses and their satellites associated yellow vein mosaic and enation leaf curl disease of cultivated species of okra	Dr. V.Venkataravanappa, Division of Plant Pathology, Central Horticultural Experimental Station, ICAR-Indian Institute of Horticultural Research, Chettalli, Karnataka, India
	Influence of supplementary feeding of different carbohydrate sources and bee pollen on dynamics of pollen foragers during dearth period	Mandeep Rathee, Dept. of Entomology, CCSHAU, Hisar

TECHNICAL PROGRAMME

Day 3	November 29, 2018	
08:30-09:30am	<i>Breakfast</i>	
09:30-11:00am	Technical Session X	
	Theme 10: Recent Advances in Dairy, Food Science & Technology	
	Chairperson	<i>Prof. (Dr.) Ramesh Chandra, Ex Dean, WCDT, SHUATS, Allahabad</i>
	Co -Chairperson	<i>Prof. Dr. (Mrs.) V. Paul, Dept. of Foods and Nutrition, SHUATS, Allahabad</i>
	Rapporteurs	<i>Dr. Genitha Emmanuel, Associate Professor, Dept. of Food Processing Engineering, SHUATS, Allahabad</i> <i>Dr. Ram Pal Singh, Associate Professor, Dept. of Animal Genetics and Breeding, SHUATS, Allahabad</i>
	Plenary Talk/Invited Lectures/Lead Lectures	
	Molecular diagnostics and vaccines for pox viruses in sheep and goats as the elements of their control and eradication	<i>Dr. Gnanavelkatesan, Senior Scientist (Virology), Division of Virology, Indian Veterinary Research Institute, Mukteswa Nainital, Uttarakhand</i>
	Genetics of A1/A2 milk and its implications for animal production in India	<i>Dr. Anuj Chauhan, Scientist ,(Animal Genetics), Division of Animal Genetics, Indian Veterinary Research Institute, Izatnagar-(UP)</i>
	Oral Presentations	
	Storage stability of sorghum based breakfast smoothie	<i>Dr. Rekha Rani, Warner College of Dairy Technology, SHUATS, Allahabad</i>
	Purification and characterization of cellulase free xylanase enzyme by Bacillus tequilensis SH0 in SmF	<i>Dr. Sanjeev Kumar Verma, Department: Food Science and Technology, Veer Chandra Singh Garhwali Uttarakhand University of Horticulture and Forestry, Bharsar, PauriGarhwal,</i>
	Development of Moringa Based probiotic Lassi	<i>Dr. ChetanDharaiya, Dairy Technology, SMC College of Dairy Technology, AAU, Ananad</i>
	Obesity: A state of Nutritional Emergency	<i>Dr. Neeru Bala, Associate Professor, Dept. of Food Nutrition and Public Health, ECHS, SHUATS, Allahabad</i>
	Importance of underutilized foods on human health	<i>Dr. Alka Gupta, Assistant Professor, Dept. of Food Nutrition and Public Health, ECHS, SHUATS, Allahabad</i>
	Computational Resources for the Modeling binding affinity of steroids to Sex hormone binding globulins	<i>Vishal M. Balaramnavar, Global Institute of Pharmaceutical Education and Research, Kashipur</i>
11:00am-01:00pm	Valedictory Session	
01:00-02:00pm	Lunch Break	