

1. AGRICULTURE AND FORESTRY SCIENCES

January 04, 2020

02:00 – 06:00 PM	
Venue	: Cluster III – College of Agriculture, North Block : Hall 22
Sectional President	: Dr. U. K. Behera, Dean, College of Agriculture (Central Agricultural University, Imphal) Kyrdemkulai, Meghalaya
Sectional Secretary	: Dr. H. S. Shivaram, Professor of Agronomy & Agro-Meteorology, UAS, GKVK, Bengaluru
Sectional Recorder	: Dr. (Mrs.) Mausumi Ray Chaudhury ICAR-Indian Institute of Water Management, Bhubaneswar-751023
Chairman	: Dr. Trilochan Mohapatra, DG, ICAR and Secretary, DARE, Krishi Bhawan, New Delhi
Co-Chairman	: Dr. Premjit Singh, Vice Chancellor, CAU, Imphal
	: Dr.P.G.Chengappa, Ex-Vice Chancellor, UAS, GKVK, Bangalore.
Presidential Address	: U. K. Behera, CoA (CAU-I), Kyrdemkulai, Meghalaya <i>Integrated Agriculture and Rural Bio-entrepreneurship: a road map for India</i>
Platinum Jubilee Lecture	: Dillip Swain, Professor, Agricultural and Food Engineering Department, IIT, Kharagpur-721302, India on <i>Advances in agricultural management practices for mitigation and adaptation to climate change</i>
Chairman	: Dr. M.B. Chetti, Vice Chancellor, UAS, Dharwad
Co-Chairman	: Dr. C.A. Srinivasamurthy Director of Research Central Agricultural University, Imphal
Rapporteur	: Dr. K.N. Geetha, Associate Professor, Department of Agronomy, UAS, Bengaluru
Prof. Sushil Kumar Mukherjee Commemoration Lecture	: Suresh Kumar, Principal Scientist & Principal Investigator, Division of Biochemistry, ICAR-Indian Agricultural Research Institute, Pusa Campus, New Delhi-110 012. <i>One Health Perspective of Food Security: Epigenetic interventions</i>

Pran Vohra Award Lecture	: Dr.Vignesh Muthusamy, Scientist (Senior Scale), Lab. No.102, Maize Genetics Unit, Division of Genetics, ICAR-Indian Agricultural Research Institute (IARI), Pusa Campus, New Delhi-110 012. United States India Educational Foundation (USIEF) presentation on Fullbright-Nehru and fullbright Kalam Fellowship S. Lalitha Nagesvari, Program Manager, USIEF, Fullbright Commission in India
Chairman	P.K. Ghosh, National Coordinator, National Agricultural Higher Education Project, ICAR, New Delhi and Former Director, IGFRI, Jhansi
Co-Chairman	Dr. U K Behera, Dean, College of Agriculture, (CAU, Imphal), Meghalaya
Co-Chairman	Dr. V.K. Khanna, Professor (Retired), CPGSAS, Umiam, Meghalaya
Rapporteur	Dr. Rojeet Thangjam, Assistant Professor, CoA, (CAU, Imphal), Kyrdemkulai
ISCA Young Scientist Award Presentations	: Hema Baliwada ICAR- Central Tobacco Research Institute, Rajahmundry, Pin : 533 105. Jitendra Kumar ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand – 263 601. Ayyagari V.V. Koundinya Division of Crop Improvement, ICAR- Central Tuber Thiruvananthapuram, Kerala – 695 017. Amit Kumar ICAR-National Organic Farming Research Institute, Tadong, Gangtok, Sikkim- 737 102 Konsam Sarika Plant Breeding Section, ICAR RC NEHR Manipur Centre, Lamphelpat – 795 004, Manipur. Rashmi R. ICAR-Krishi Vigyan Kendra (DK),

	Kankanady, Mangalore, Karnataka – 575 002.
	United States India Educational Foundation (USIEF) presentation on Fullbright-Nehru and fullbright Kalam Fellowship S. Lalitha Nagesvari , Program Manager, USIEF, Fullbright Commission in India
SECTIONAL COMMITTEE ELECTION	
Concurrent Poster Session –I Poster presentation for abstracts A 01-A-26, B 01-B 15, C 01-C 13 and D 01-D 25	

January 05, 2020

Venue	:	Cluster III-College of Agriculture, North Block: Hall 22
02:00-06:00 PM		
Symposium: Integrated Agriculture and Climate Resilience		
Chairman		Mr. Shobhana K. Pattanayak , Former Secretary, Ministry of Agriculture and Farmers Welfare, Govt. of India, Krishi Bhawan, New Delhi
Co-Chairman		Dr. Arabinda K. Padhee , Director, ICRISAT, New Delhi
		Dr. S. Bhaskar , AGD (Agronomy, Agro-forestry and Climate Change)
Rapporteurs		Dr. N. Nagara , Prof. Department of plant Pathology, UAS, Bengaluru
Invited Lectures	:	H. Pathak ICAR-National Rice Research Institute Cuttack, Odisha <i>Ecosystem Services for Enhancing Productivity and Profitability of Agriculture</i>
		Arabinda K. Padhee Director, ICRISAT, New Delhi <i>Agri Food Policy in India under Climate Change Scenario</i>
		Ajay Parida Institute of Life Sciences, Bhubaneswar <i>Food, Health and Nutrition Disconnect</i>
		PK Ghosh , National Coordinator, National Agricultural Higher Education Project, ICAR, New Delhi <i>Livestock based farming systems for sustaining livelihood of</i>

	<i>rural India</i>
	<p>B. Gangaiah ICAR-Central Island Agricultural Research Institute (CIARI), Port Blair, Andaman & Nicobar Islands</p> <p><i>Artisanal fishing mixed farming systems of islands for sustainable livelihoods</i></p>
	<p>A.K. Nayak Head Crop Production Division, ICAR-National Rice Research Institute Cuttack-753006 Odisha, India</p> <p><i>Carbon and water footprint of major crops in India</i></p>
	<p>S.S. Singh ICAR-Agricultural Technology Application Research Institute (ATARI), Kolkata</p> <p><i>Agricultural entrepreneurship in rural Eastern India</i></p>
	<p>Krishnendu Acharya Molecular and Applied Mycology and Plant Pathology Laboratory, Centre of Advanced Study, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata- 700019, West Bengal, India</p> <p><i>A journey from lab to land in organic farming</i></p>
	<p>Sanjay, M.T. AICRP on IFS, UAS, Hebbal, Bengaluru-560 024</p> <p><i>Integrated farming systems modules for improving profitability and livelihood of small and marginal farmers of Chikkaballapura district, Karnataka</i></p>
	<p>Chandrashekara C. P. Professor of Agronomy, College of Agriculture, University of Agricultural Sciences, Dharwad 580005, Karnataka India</p> <p><i>Zero Budget Natural Farming (ZBNF) for Agriculture and rural development</i></p>
	<p>Vipin Mishra Centre Of Science & Society, University Of Allahabad, Allahabad-211002.</p> <p><i>Significance of ornamental fish farming for sustainable rural entrepreneurship</i></p>

Symposium Invited Lectures/ Oral Presentations	
Symposium: Biodiversity Conservation and Ecotourism	
Chairman	Dr. A. K. Singh, Secretary NAAS, New Delhi and Former DDG (NRM) ICAR, New Delhi 9425702142
Co-Chairman	Dr. Ajay Parida, Director, Institute of Life Sciences, Bhubaneswar
	Dr. R. C. Jayaraj, Director, Rain forest Research Institute, Indian Council of Forestry Research & Education, Jorhat-785001 (Assam)
Rapporteurs	Dr. Rinku Verma, Asst. Professor, Department of Forestry and Environment, UAS, Bengaluru Dr. M.T.Sanjay, AICRP on IFS, UAS, Hebbal, Bengaluru-560 024
	AK Singh, Secretary NAAS, New Delhi and Former DDG (NRM) ICAR, New Delhi <i>Climate Smart Technologies for Farmers Empowerment</i>
	R.S.C. Jayaraj Director, Rain Forest Research Institute, Jorhat <i>Bamboo and Rural Development</i>
	Arun Kumar Mishra, Divisional Forest Officer, Sundargarh Forest Division, Sundargarh, Odisha <i>Ecotourism & rural entrepreneurship: Odisha model of ecotourism- community managed nature tourism</i>
	Ravikanth G Ashoka Trust for Research in Ecology and the Environment (ATREE), Royal Enclave, Srirampura, Jakkur Post, Bengaluru – 560064 <i>Harvesting of non-timber forest products: genetic impacts, ecological costs and livelihood gains</i>
	Deepak Kumar Department of Forestry, Forest Research Institute, Dehradun, Uttarakhand-248006 <i>Importance of abiotic stresses and their mitigation in forestry tree species</i>

	<p>Rezina Ahmed Associate Professor Department of Zoology, Cotton University</p> <p><i>Prospects of ecotourism through utilization of biodiversity of Deepor Beel, Ramsarsite Assam. India</i></p>
	<p>Sanjeev Kumar Regional Chief Conservator of Forests, Hazaribagh, Jharkhand</p> <p><i>Mapping of major frameworks of NTFP based livelihood options in Jharkhand: a case study from Chotanagpur</i></p>
	<p>Fatima Sultana Associate Professor, Department of Zoology, J. D. B. Govt. Girls College, University of Kota, Kota, Rajasthan.</p> <p><i>Re-introduction of Tigers in Mukandara Hills Tiger Reserve, Kota, Rajasthan</i></p>
	<p>N. Barathi Director, Growmore Biotech Ltd., TN, India</p> <p><i>Bamboo as Energy Plantation for Renewable Energy Generation</i></p>
	<p>AK Mishra IRRI, Bhubaneswar</p> <p><i>Carbon sequestration dynamics in poplar-based Agroforestry systems</i></p>
	<p>Annapurna Dhal Department of Zoology, B. B. College, Baiganbadia-757105, Mayurbhanj, Odisha</p> <p><i>Soil profile of Hadagarh wildlife sanctuary, Keonjhar, Odisha</i></p>
	<p>A.K. Handa ICAR- Central Agroforestry Research Institute, Jhansi) – India 284 003</p> <p><i>Agroforestry options for ensuring livelihood security in different regions of India</i></p>
BEST POSTER AWARD PRESENTATION	
Concurrent Poster Session –II	
Poster presentation from E 01-E173	

January 06, 2020

02:00 - 06:00 PM		
Venue		Cluster III - College of Agriculture, North Block : Hall 22
Symposium: Integrated Agriculture and Bio-entrepreneurship		
Chairman		Dr. Ashok Dalwai, Chief Executive Officer, NRAA, New Delhi.
Co-Chairman		Venuprasad Ramaiah, IRRI, Lasbanos, Philippines
Co-Chairman		Sujay Rakshit, ICAR-Indian Institute of Maize Research, Ludhiana
Co-Chairman		Dr.C.A.Srinivasamurthy, Former Director of Research, Central Agricultural University, Imphal
Rapporteurs		Dr. Jayadeva H.M, Professor and Head, Department of Agronomy, UAS, Bengaluru Dr. Sanjay-Swami, Associate Professor School of Natural Resource Management, College of Post Graduate Studies in Agricultural Sciences, Central Agricultural University, Umiam-793103, Meghalaya
Invited Lectures		
		Sujay Rakshit ICAR-Indian Institute Of Maize Research, Ludhiana 141004 <i>Silent revolution in maize - challenges ahead</i>
		Venuprasad Ramaiah International Rice Research Institute, Philippines <i>Conserving and exploiting rice biodiversity for rural prosperity – role of international gene bank</i>
		Ashok K. Patra Director, ICAR-Indian Institute of Soil Science Nabibagh, Berasia Road, Bhopal-462038 (M.P) <i>Tapping soil biodiversity for sustainable agriculture and environment</i>
		Soumitra Das Director-South Asia (ZNI) International Zinc Association, New Delhi, India Zinc in Food and Nutrition Security

	<p>P D Kamala Jayanthi Division of Entomology and Nematology, ICAR-Indian Institute of Horticultural Research Hessaraghatta Lake post, Bangalore-560089. Karnataka, India</p> <p><i>Chemical Ecology in IPM and Rural Development</i></p>
	<p>P. K. Saha Former Professor, Division of Plant Biology, Bose Institute, Acharya Prafulla Chandra Roy Road, Kolkata 700009, West Bengal,.</p> <p><i>Testa ultra structures, viability and waer uptake paterns interrelated to seed germination</i></p>
	<p>Sheetal Sharma International Rice Research Institute, New Delhi, India</p> <p><i>Translating science into ICT based tools for scaling out innovative technologies</i></p>
	<p>Neelam Patel In-charge & Principal Scientist, Centre for Protected Cultivation Technology, ICAR-IARI, New Delhi-110012</p> <p><i>Entrepreneurship development and economic improvement of farmers through protected cultivation technology</i></p>
	<p>T.J. Purakayastha, Division of Soil Science & Agricultural Chemistry, ICAR-Indian Agricultural Research Institute, New Delhi, 110 012, India</p> <p>Development of smart fertilizers for sustainable agriculture and environment</p>
<p>Concurrent Poster Session –III Poster presentation from F 01-F73 and G01-G15</p>	

January 07, 2020

02.00 – 04.00 PM		
Symposium:		Integrated Agriculture and Rural Bio-entrepreneurship
Venue		Cluster III – College of Agriculture, North Block : Hall 22
Chairman		Dr. K.NarayanaGowda, Former Vice Chancellor, UAS, Bangalore
Co-Chairman		Dr. P.S.Pandey, ADG(Education), ICAR, New Delhi

Rapporteurs	<p>Dr. Mohan Raj, Professor, Department of Crop Physiology, UAS, Bengaluru</p> <p>Dr. Prakash. K.V, Asst. Professor, Department of Entomology, UAS, Bengaluru</p>
Invited Lectures/ Oral Presentations	
	<p>Manjunath K Naik, Vice Chancellor UAHS, Shimoga <i>Emerging issues in agriculture with special reference to Bioentrepreneurship in achieving sustainable goals</i></p>
	<p>M.J.Chandre Gowda Director, ICAR-ATARI, Bengaluru <i>Agrarian crisis: the role of extension as an enabling system of informed decision making by farmers</i></p>
	<p>Kausik Pradhan Associate Professor and Head, Department of Agricultural Extension, Uttarbanga Krishi Viswa Vidyalaya, Pundibari, Coochbehar <i>Revealing the challenges associated with the access and utilization of agricultural information sources for rural development</i></p>
	<p>Chandrakala, M National Bureau of Soil Survey and Land Use Planning, Hebbal, Bangalore-560 024, Karnataka. India <i>Inventorization of land resources in South Telangana Plateau (Rayalseema) and Eastern Ghat, hot, dry semi-arid eco-sub region, India using GIS and remote sensing</i></p>
	<p>H. M. Vinaya Kumar Department of Agricultural Extension and Communication, Anand Agricultural University, Anand, Anand, 388110, India <i>Predictive factors to avoid farming as a livelihood</i></p>
	<p>Ranjana Mishra HOD History, SMDSMC, Affiliated to SNTD Women's University, Mumbai <i>Surapalavriksh ayurvedav a treatise on agricultural technologies: resolution to present rural agricultural hurdles</i></p>
	<p>S C Tripathi ICAR-IIWBR, Karnal, Haryana-132 001 <i>Intercropping of pulses with maize for higher productivity and</i></p>

		<i>profitability for small and marginal farmers</i>
		<p>V. S. Susha Agronomic Research Station, Kerala Agricultural University, Chalaky, Kerala</p> <p><i>Tank-mix and sequential herbicide applications on weeds, non-target toxicity and herbicide residue in soil and defence mechanism of maize (Zea Mays L.) In the North-Western Indo-Gangetic plains</i></p>
		<p>Devaraja, K All India Co-Ordinated Research Project for Dry Land Agriculture, Gandhi Krishi Vigyan Kendra, Bangalore-560 065, Karnataka, India</p> <p><i>Impact of subsoiler on in-situ moisture conservation in finger millet and groundnut based intercropping system</i></p>
		<p>Anil Kumar Chauhan Centre of Food Science And Technology Institute of Agricultural Sciences Banaras Hindu University, Varanasi- 221005(India)</p> <p><i>Utilization of Giloy (Tinospora Cordifolia) stem powder to enhance the functional properties of cookies</i></p>
		<p>Yashaswini N. P , Assistant Professor of Agronomy Directorate of Extension, University of Horticultural Sciences, Bagalkot</p> <p><i>Influence of nitrogen management on growth and yield of tulsi (Ocimum Sanctum L.) In Karnataka</i></p>
		<p>Nibedita Das Assistant Professor Department of Botany, University of Science and Technology, Meghalaya</p> <p><i>Ethno botanical uses of Clerodendrum L. in North East India</i></p>
		<p>Dipak Ranjan Biswas ICAR-Indian Agricultural Research Institute, New Delhi, India</p> <p><i>Organic acid loaded nano clay polymer composite on solubilization of rock phosphates: potentialities and opportunities as alternate p-fertilizer</i></p>
		<p>K. Jeevan Rao EC member, Telangana State Academy of Sciences. Villa Onyx 12A, Kismatpur, Rajendranagar, Hyderabad – 500</p>

		086,Telangana State, India <i>Irrigated agriculture and climate change</i>
		Sanjay-Swami School of Natural Resource Management, College of Post Graduate Studies in Agricultural Sciences, Central Agricultural University, Umiam-793103, Meghalaya <i>Bio-char potential for increasing tomato (lycopersicon esculentum mill.) Productivity under acidic soil conditions of Meghalaya and improving soil acidity indices</i>
		N. Subash ICAR-Indian Institute of Farming Systems Research, Modipuram-250 110, Meerut, Uttarpradesh <i>Methane and nitrous oxide emissions from rice under different crop establishment and source of nitrogen in irrigated Indo- Gangetic plains of India</i>
		V. Karunakaran Agricultural College and Research Institute(TNAU), Eachangkottai, Thanjavur, Tamil Nadu-614902 <i>Tillage and Crop Establishment Techniques, and Residue Management Practices On The Performance of Soybean (Glycine max)—Wheat (Triticum aestivum) Cropping System</i>
		Rojeet Thangjam College of Agriculture, Central Agricultural University, Kyrdemkulai -793105, Meghalaya, India <i>Insect Pest Complex and Their Natural Enemies on Upland Rice in Kyrdemkulai, Meghalaya</i>
		Somanath Nayak Division of Agronomy, ICAR-Indian Agricultural Research Institute, New Delhi <i>Productivity and profitability of soybean as influenced by tillage and phosphorous management practices under conservation agriculture</i>
		M.H.Manjunatha Junior Agronomist, Agrometeorology section, UAS, GKVK, Bengaluru <i>Reliability and usability of forecast in relation with success of agromet advisory services</i>
General Discussion and Recommendations		