

<b>SECTION</b>		<b>AGRICULTURE &amp; FORESTRY SCIENCES</b>
<b>Sectional President</b>	:	<b>Dr. Sujay Rakshit</b> , Director, ICAR-Indian Institute of Maize Research, Ludhiana
<b>Sectional Recorder</b>	:	<b>Dr. (Mrs.) Mausumi Raychaudhuri</b> , ICAR-Indian Institute of Water Management, Bhubhneswar
<b>Sectional Secretary</b>	:	<b>Dr. Chandra Mohan</b> , Lovely Professional University
<b>January 04, 2019</b>		
14:00 – 17:00		
<b>SECTIONAL COMMITTEE MEETING</b>		
<b>Venue</b>	:	<b>Block 25, Room- 504</b>
<b>Presidential Address</b>	:	<b>Sujay Rakshit</b> , ICAR-Indian Institute of Maize Research, Ludhiana  <i>The path of coarse cereals – way ahead under changing climate and nutrition scenario</i>
<b>Platinum Jubilee Lecture</b>	:	<b>Kaushik Banerjee</b> , ICAR National Fellow and Principal Scientist (Agricultural Chemistry), National Referral Laboratory, ICAR-National Research Centre for Grapes, Pune  <i>Technological advances and challenges in food safety and traceability of agricultural produce: towards a new horizon</i>
<b>Award Lectures:</b>	:	
<b>Pran Vohra Award Lecture</b>	:	<b>Amarjeet Singh</b> , National Institute of Plant Genome Research (NIPGR), New Delhi.  <i>Protein phosphatases, the key regulators of abiotic stress signaling and responses in plants</i>
<b>Prof S K Mukherjee Commemoration Lecture</b>	:	<b>S.K.Singh</b> , National Bureau of Soil Survey and Land Use Planning, Nagpur  <i>Making Agriculture Sustainable in India</i>
<b>Young Scientist Award Presentations</b>	:	<b>Vidya Saga</b> , ICAR, Varanasi  <b>Ranjan Paul</b> , ICAR, Nagpur  <b>Arijit Barman</b> , ICAR Central Soil Salinity Research Institute, Karnal, Haryana

	<p><b>Debasish Chakraborty</b>, ICAR Research Complex for NEH Region, Umiam, Meghalaya</p> <p><b>Susheel Kumar Sharma</b>, ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, Imphal</p> <p><b>Rajkumar Uttamrao Zunlare</b>, ICAR- Indian Agriculture Research Institute, New Delhi</p>
<b>17.00 – 17.30</b>	<b>SECTIONAL COMMITTEE ELECTION</b>

<b>January 05, 2019</b>	
<b>14:00 – 17:30</b>	
Venue	: <b>Block 25, Room- 504</b>
<b>14.00 – 16.00 Symposium</b>	
<b>“Rice Production System in India and South Asia: Challenges and Opportunities”</b>	
<b>Keynote address</b>	: <b>Ramesh Chand</b> , Member, Niti Ayog, New Delhi
<b>Invited Lectures</b>	: <b>Kazuyuki Inubushi</b> , Chiba University, Japan <i>Sustainable rice production under limited water to minimize greenhouse gas emissions</i>
	: <b>Sudhanshu Singh</b> , IRRI India Office, New Delhi <i>Sustainable Intensification of Rice-based Cropping Systems in Stress-prone Rainfed Areas of Eastern India</i>
	: <b>Sasi Elumali</b> , CIAB, Chandigarh <i>Management of rice straw through innovative approaches</i>
<b>Panel discussion</b>	: How far rice-based cropping system is sustainable – alternatives in hand?
	<i>Moderator: DS Brar</i> , PAU, Ludhiana <i>Panelists:</i> <ul style="list-style-type: none"> <li>• <b>Suresh Kumar</b> IAS, Chief Principal Secretary, Govt. of Punjab</li> <li>• <b>SK Datta</b>, Former DDG CS, ICAR</li> <li>• <b>Himanshu Pathak</b>, Director, ICAR-NRRI, Cuttack</li> <li>• <b>Arvind Padhee</b> IAS, ICRISAT, Delhi</li> <li>• <b>NS Bains</b>, Director Research, PAU, Ludhiana</li> <li>• <b>HS Sidhu</b>, BISA, Ludhiana</li> <li>• <b>Sujay Rakshit</b>, Director, ICAR-IIMR, Ludhiana</li> </ul>
<b>16.00 – 18.30 Symposium</b>	
<b>“Science-led innovations in agriculture”</b>	
<b>Invited Lectures</b>	: <b>C Viswanathan</b> , Division of Plant Physiology, IARI, Pusa, New Delhi <i>Next Generation Phenotyping (NGP) for crop improvement and precision agriculture</i>
	: <b>Vinod Shahrn</b> , MPUA&T, Udaipur <i>Application of nanotechnology in managing biotic stresses</i>

	:	<b>A Kumar</b> , Division of Plant Pathology, IARI, Pusa, New Delhi  <i>Metagenomics: a new horizon in microbiome analysis</i>
<b>Oral presentations</b>	:	<b>Randhawa G</b> , NBPGR, Pusa, New Delhi  <i>Cost-efficient GM diagnostics for checking unauthorized GM events in the supply chain</i>
	:	<b>Diksha Mankotia</b> , Lovely Professional University, Phagwara, Punjab  <i>Hydroponics vertical farming: an alternate to traditional farming and solution to food crisis</i>
	:	<b>Kulkarni Amit</b> , Nutan Mahavidyalaya, Prabhani, Maharashtra  <i>Isolation, identification and morphological characteristics soil alkaliphili actinomycetes from Agricultural soil at Lonarcratre</i>
	:	<b>Kiranjot Kaur</b> , Punjab Agricultural University, Ludhiana  <i>Fabrication of ohmic heater and study of ohmic heating behavior of tomato puree</i>
<b>15.00 – 18.30                      Concurrent Poster Session –I (A01 – A068)</b>		
<b>BEST POSTER AWARD PRESENTATION</b>		

<b>January 06, 2019</b>		
<b>14:00 – 18:30</b>		
Venue	:	<b>Block 25, Room- 504</b>
<b>14.00 – 15.30</b>	<b>Symposium</b>	
<b>“Crop improvement under changing climate”</b>		
<b>Keynote address</b>	:	<b>AK Singh</b> , ICAR-IARI, Pusa, New Delhi  <i>Molecular breeding for improving quality and stress tolerance in rice</i>
<b>Invited Lectures</b>	:	<b>Kuldeep Singh</b> , ICAR-NBPGR Pusa, New Delhi  <i>Biodiversity conservation: crucial for sustainability</i>
	:	<b>NP Singh</b> , ICAR-IIPR, Kanpur  <i>Revolution in pulse production under changing climate</i>
	:	<b>DK Yadava</b> , ADG Seeds, ICAR, New Delhi  <i>Emerging needs of seed research under climate change</i>
<b>Oral presentation</b>	:	<b>Bhupender Kumar</b> , ICAR-IIMR, PAU Campus, Ludhiana  <i>Development of drought and water logging stresses tolerance maize genotypes and identification of key regulatory elements playing role in their tolerance mechanism</i>
	:	<b>Arshdeep Kaur</b> , Punjab Agricultural University, Ludhiana  <i>Sulphur assimilation pathway in wheat and its relationship to Zinc transport : an unsolved fiction of cellular homeostasis</i>
<b>15.30 – 17.00</b>	<b>Symposium</b>	
<b>“Horticulture for nutrition &amp; livelihood security”</b>		
<b>Keynote address</b>	:	<b>AK Singh</b> , DDG (Horticulture & Crop Science), ICAR, New Delhi  <i>Indian horticulture: new dynamics</i>
<b>Invited Lectures</b>	:	<b>Prabhat Kumar</b> , ICAR, New Delhi  <i>Periurban floriculture for ecological and economic security</i>
	:	<b>TK Behra</b> , Professor, ICAR-IARI, Pusa, New Delhi  <i>Vegetables for nutritional security</i>
	:	<b>CK Narayana</b> , ICAR-IIHR, Bengaluru

		<i>Post-harvest management &amp; value addition in horticultural crops</i>
	:	<b>Anup Das</b> , ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra  <i>Success story of integrated farming system in North East India</i>
<b>Oral presentation</b>	:	<b>Sapna Panwar</b> , ICAR-IARI, Pusa, New Delhi  <i>Development of in-vitro protocol for efficient regeneration of french marigold (<i>Tagetes patula</i> L.) using non axillary explants</i>
<b>17.00 – 18.30 Symposium</b>		
<b>“Natural resource management: key to sustainability”</b>		
<b>Keynote address</b>	:	<b>Suresh Gairola</b> , DG, ICFRE, Derhadun  <i>Indian forest for climate change mitigation: from commitment to action</i>
<b>Invited Lectures</b>	:	<b>Biswapati Mandal</b> , BCKV, WB  <i>Conservation agriculture: opportunity and challenges</i>
	:	<b>Ashok Patra</b> , ICAR-IISS, Bhopal  <i>Technology frontiers for management of soil health</i>
	:	<b>PK Ghosh</b> , ICAR, New Delhi  <i>Role of Carbon sequestration on food and environmental security</i>
	:	<b>KG Mandal</b> , ICAR-IIWM, Bhubaneswar  <i>Efficient water management: key to sustainability in crop production</i>
<b>Oral presentation</b>	:	<b>TJ Purakayastha</b> , IARI, New Delhi  <i>Role of clay minerals, manuring and cropping system on stabilization of carbon in soil</i>
	:	<b>Masilamani P</b> , TNAU, Trichurapally  <i>Effect of different organic addition on seedling growth and stump quality of teak (<i>Tectona grandis</i> Linn f.)</i>
<b>15.00 – 18.30 Concurrent Poster Session –II (A069 – A135)</b>		

<b>January 07, 2019</b>		
<b>14:00 – 15:00</b>		
Venue		<b>Block 25, Room- 504</b>
<b>14.00 – 15.00</b>	<b>Invited Lectures/ Oral Presentations</b>	
<b>Opportunities in hand for sustainable progress</b>		
<b>Invited Lectures</b>	<b>:</b>	<b>Sudarshan Das</b> , Senior Program Office, Fulbright Commission in India  <i>Fulbright-Nehru Fellowship Opportunities in the U.S.</i>
<b>Oral Presentations</b>	<b>:</b>	<b>DP Chaudharay</b> , ICAR-IIMR, PAU Campus, Ludhiana  <i>SDS-PAGE analysis of zein expressions in normal opaque-2 and QPM genotypes</i>
	<b>:</b>	<b>Namita</b> , Division of Floriculture, ICAR-IARI, Pusa, New Delhi  <i>Phylogenetic relationships in the genus Rosa (Rosaceae) using morphological and molecular markers</i>
	<b>:</b>	<b>Roy T</b> , Barasat Govt. College, WB  <i>Studies on induced systemic resistance against Alternaria blight disease in lentil mediated by carbamate degrading Bacillus spp.</i>
	<b>:</b>	<b>Prasenjit Ray</b> , ICAR-NBSSLUP, Regional Centre, Jorhat  <i>Nutrient management package for production of high yield and quality of mulberry (Morus indica L.) leaf in acid soil of Brahmaputra valley region of North Eastern India</i>
	<b>:</b>	<b>Garcha S</b> , Punjab Agricultural University, Ludhiana  <i>In vivo inhibition of fresh produce spoilage molds using Lactobacillus bacteriocins</i>
	<b>:</b>	<b>Sourav Kumar</b> , School of Agriculture, LPU, Phagwara  <i>Genetic variability and correlation coefficient analysis in wheat germplasm (Triticum aestivum L.)</i>
<b>GENERAL DISCUSSION AND RECOMMENDATIONS</b>		