

SECTION		AGRICULTURE AND FORESTRY SCIENCES
Sectional President		Dr. Ajay Parida , Executive Director, MSSRF, Chennai
Local Sectional Secretary		Prof. L. K. Vaswani , KIIT University, Bhubaneswar
Sectional Recorder		Dr. Tapan Adhikari , IISS, Bhopal

January 04, 2012

14:00 – 17:30

Venue	:	Campus-5, Hall-10, KIIT University
Chair	:	Prof. M. S. Swaminathan , Chairman, MSSRF, Chennai
Presidential Address	:	Ajay Parida , Executive Director, MSSRF, Chennai <i>Role of Agriculture in Alleviating Poverty and Malnutrition</i>
Keynote Address	:	Swapan K. Datta , DDG (Crops), ICAR, New Delhi <i>Genetic Approaches for enhancing Crop Productivity</i>
Symposium on “Globally Important Agriculture Heritage Systems”	:	<ul style="list-style-type: none"> • Dr. Alexander Mueller, ADG, FAO, Rome • Dr. Shantanu Mathur, IFAD, Rome • Dr. Parviz Koochakhan, FAO, Rome • Dr. P. L. Gautam, PPVFRA, New Delhi • Dr. K. U. K. Nampoothiri, MSSRF, Jeypore • Dr. RamosdelaCruz, Mary Jane, FAO • Mr. Sachin Jadav, Collector, Koraput

SECTIONAL COMMITTEE ELECTION

January 05, 2012

14:00 – 17.30

Venue	:	Campus-5, Hall-10, KIIT University
Platinum Jubilee Lecture	:	K.C. Bansal , NBPGR, New Delhi <i>Abiotic Stress Tolerance: Genes, Genomics and Genetic Engineering</i>

Sushil Kumar Mukherjee Commemoration Lecture		Akhilesh Tyagi , NIPGR, New Delhi <i>Improvement of Water-Deficit and Salinity Stress Response of Rice</i>
Pran Vohra Award Lecture	:	K. Prabhakara Rao , CTRI, Rajmuhendry <i>Characterization of Mitogen Activated Protein Kinase gene family in Oryza sativa</i>
Young Scientist Award presentation	:	Vigya Kesari , IIT, Guwahati <i>Coordinated changes during seed development and germination in candidate plus tree of P. pinnata, a versatile biodiesel legume as revealed by morphological, biochemical and ultrastructural studies</i>
Oral Presentations	:	A.K. Patra , P.J. Mishra, B.B Behera, S. Das and B.P. Gantayat, OUAT, Bhubaneswar <i>Performance of short duration fruit and medicinal crops under agri-silvicultural agroforestry system</i>
	:	H. Pathak , S. Sankhyan, D.S. Dubey, A. Bhatia and N. Jain, IARI, New Delhi <i>Dry direct-seeding of rice for mitigating greenhouse gas emission</i>
	:	R.K. Panda , D. Halder and C.K. Das, IIT, Kharagpur <i>Appropriate agronomic and irrigation management strategies for Potato under Climate Change scenario</i>
	:	Suja George , and Ajay Parida, MSSRF, Chennai <i>Molecular dissection of stress tolerant plant Prosopis juliflora for understanding pathways of plant abiotic stress tolerance</i>
	:	Sutapa Datta , Tapas K. Bandhopadhyaya, Rajeev K. Varshney and Nagendra K. Singh, IARI, New Delhi <i>Transferability of pigeonpea SSR markers across eight genera of Papilionoideae subfamily for elucidates legume evolution</i>
	:	Suwendu Das , and T.K. Adhya, CRRI, Cuttack <i>Effect of Elevated Co₂, Temperature on Methanotrophy and Methanotrophic Diversity in a Tropical Paddy</i>

	:	Latha Rangan , Vigya Kesari, Madurai S. Vinod and Ajay Parida, IIT, Guwahati <i>Molecular markers based characterization in versatile forest tree species, P. pinnata</i>
	:	Prikshayat Singh , Hendrik Fuhrs and Walter J. Horst, IARI, New Delhi <i>Isolation of ascorbate peroxidase from rice and cowpea cultivars</i>
	:	R. Dhandapani , and Ambika Rajendran IARI, New Delhi <i>Differential accumulation of β-carotene and tissue specific expression of Phytoene Synthase (MaPsy) gene in major Indian Banana (Musa sp) cultivars</i>
	:	R.K. Mishra , P.K. Nanda , B.K. Patra, A. Dash and R.C. Mohanty, North Orissa University, Baripada <i>Population structure of dominant tree species in tropical deciduous forest covers of Chandaka Dampara wildlife sanctuary, Orissa, India</i>
	:	S.S. Satapathy , D.K. Swain and M. Ghosh IIT, Kharagpur <i>Growth, phenology and yield of Rice crop under elevated CO₂ and rising temperature in Eastern India</i>
Concurrent Poster Session –I		

January 06, 2012		
14:00 – 17:30		
Venue		Campus-5, Hall-10, KIIT University
Invited Lectures	:	Dinabandhu Sahoo , University of Delhi, Delhi <i>Sea Farming: An alternate and additional source of livelihood for women in coastal India</i>
	:	Baishnab C. Tripathy , Jawaharlal Nehru University, New Delhi <i>Increasing Nitrogen Use Efficiency and Protein Contents of Plants - A Transgenic Approach</i>
	:	D. Joseph Bagyaraj , Centre for Natural Biological Resources and Community Development, Bangalore

		<i>Arbuscular Mycorrhizal Fungi for Sustainable Agriculture, Horticulture and Forestry</i>
	:	Surya N. Acharya , Agriculture and Agri-Food Canada Research Centre, Alberta, Canada <i>Forage crop research will improve life in our industrialized planet and help sustainability of agriculture.</i>
Oral Presentations	:	Mausumi Raychaudhuri , D.K. Kundu, Sucharita Mohapatra, K.G. Mandal, G. Kar, Ashwani Kumar, K.M. Nair, R.S. Singh, D.K. Pal, S.K. Ray, Dipak Sarkar and T. Bhattacharya, Directorate of Water Management (ICAR), Bhubaneswar <i>Prediction of Saturated Hydraulic Conductivity of Black Soils through Determination of Particle Size Distribution and Irrigation Water Requirement for Cotton</i>
	:	R. Mahender Kumar , K. Surekha, Ch. Padmavathi, L.V. Subbarao, V.R. Babu, P. Muthuraman, S. Gopalakrishnan V. Vinod Goud and B.C. Viraktamath Directorate of Rice Research, Hyderabad <i>Research experiences and potential of system of Rice intensification - status in India, impact and future directions</i>
	:	Priyanka Suryavanshi , and Y.V. Singh, IARI, New Delhi <i>Analyzing the pattern of methane emission and water productivity under different methods of crop establishment</i>
	:	Anuprita Ray , A. Pattnaik, K.C. Samal and G.R. Rout, OUAT, Bhubaneswar <i>Assessment of genetic diversity of sesamum (<i>Sesamum indicum</i> L.), genotypes using inter simple sequence repeat markers</i>
	:	G.J.N. Rao , CRRI, Cuttack <i>Hastening the breeding cycle through doubled haploid approach</i>
	:	Tapan Adhikari , Indian Institute of Soil Science, Bhopal <i>Characterization of titanium nano particles: pH and</i>

		<i>humic acid interaction</i>
	:	Gurpreet Singh, Dr. S.S. Dhaliwal , B.D. Sharma and U.S. Sadana, PAU, Ludhiana <i>Surface and subsurface distribution of Zn, Cu, Fe and Mn as influenced by different cropping systems in Typic Ustocrepts soils of Punjab, India</i>
	:	Sunita Sahoo , A.B. Das and G.R. Rout, OUAT, Bhubaneswar <i>Efficient screening for resistance to Iron toxicity in medium and low land rice varieties of Orissa</i>
	:	Sonali Pradhan , Anuj Kumar Singh and A.K. Sahoo OUAT, Bhubaneswar <i>Terrestrial carbon sequestration-Strategy for conservation and management</i>
	:	M. Bharathalakshmi , T. Chitkala Devi, N.V. Naidu and M.B.G.S. Kumari, Acharya N.G.Ranga Agricultural University, Hyderabad <i>Influence of spacing, seed rate and nitrogen levels on yield and quality of sugarcane under pit method of planting</i>
	:	Trupti Mohapatra , G.N. Hariharan and Ajay Parida MSSRF, Chennai <i>Characterization of a novel cytosolic Glutathione S-transferase from lichen <i>Roccella montagnei</i> (Bél.) emend. Awas. and its role in abiotic stress tolerance in plants</i>
	:	R. Rengalakshmi , R. Seenivasan and S. Malarvannan, MSSRF, Chennai <i>Community based strategies for Management of Coffee berry borer under organic production Systems</i>
Concurrent Poster Session –II		

January 07, 2012		
14:00 – 16:00		
Venue		Campus-5, Hall-10, KIIT University
Oral Presentations	:	Mukesh Kumar Sinha , P. Nanda and Ashwani Kumar, Directorate of Water Management (ICAR), Bhubaneswar <i>Dimensions of Rural Poverty in Orissa: Macro Analysis and some case studies</i>
	:	Gitishree Das , D. Prasad, B.C. Marndi, H.N. Thatoi and G.J.N. Rao, CRRI, Cuttack <i>Gene stacking in rice through marker assisted selection</i>
	:	Meera Kumari Kar , A. Swain, R. Mishra, S. Samal, D. Prasad, S. Mohanty, S.K. Singh and G.J.N. Rao CRRI, Cuttack <i>Molecular characterization and mapping of resistance to Rice Tungro Disease</i>
	:	Susanta Sekhar Chaudhury , Alok kumar Badoghar, Kartik Charan Lenka and Shenaz Ara, MSSRF, Jeypore <i>Strengthening of local Institutions for conservation and Commercialization of rice landraces: Koraput, Odisha</i>
	:	M.S. Hadda , R.S.S. Hopper and S.S. Aulakh PAU, Ludhiana <i>Water Management in upper watersheds of N-W Tract of India: Some key opportunities and challenges</i>
	:	Sanjay K. Ojha , Snehasish Mishra, P.K. Mohanty,

		Vijay K. Malesu and Mrutyunjay Suar KIIT University, Bhubaneswar <i>Biogas production potentials of kitchen waste– a feasibility study</i>
	:	Md. Takhlique , and K.B. Sharma Magadh University, Bodh-Gaya, Bihar <i>Some Biochemical investigations in relation to different diseases among the mulberry silkworm, Bombyx mori L.</i>
	:	Ranjan Bhattacharyya , IARI, New Delhi <i>Adoption of conservation tillage improves soil aggregation and soil organic carbon pools in a sandy clay loam soil of the Indian Himalayas</i>
	:	Anand Sagar , Himachal Pradesh University, Shimla <i>Study on Fungal Associates of Two Medicinal plants, Azadirachta indica and Acacia catechu</i>
	:	S. Kundu , S. Paul and S. Kundagrami Calcutta University, Kolkata <i>Screening for high productive and good quality rice varieties and management for increase productivity for coastal saline belt of West Bengal</i>
	:	Sandhimita Mondal , and Biplab Kr. Chatterjee Visva-Bharati University, Santiniketan <i>Isolation and partial characterization of a free living nitrogen fixing, phosphate solubilizing and salt tolerant bacteria from the coastal area of West Bengal</i>
	:	Saujanendra Swain , and Kartik Lenka MSSRF, Jeypore <i>Quantitative assessment and mapping of plant resources of eastern ghats in Southern Orissa</i>
	:	N. Parasuraman , and S. Rajalakshmi, MSSRF, Chennai <i>Addressing the Agricultural crises by training & transforming Youth in rural India</i>
	:	G. Krishna Kumar , R.K. Sairam and Lekshmy S. IARI, New Delhi <i>Role of heat shock transcription factors and heat</i>

		<i>shock proteins in high temperature tolerance of wheat genotypes</i>
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GENERAL DISCUSSION AND RECOMMENDATIONS