

DAY 2
Date : 26;04.2023 (Wednesday)

Technical Session: 03

Title : Session on International Rice research Institute	Time : 10: 30 AM - 5:00 PM	Venue: Board Room, AAU, Jorhat
Chairperson: Madan K. Bhattacharyya. Professor, Department of Agronomy, Plant Biology, Co. Chairperson: Dr. Mrinal Saikia, ADR, DoR, AAU, Jorhat	Moderator: 1. Dr. Surya Kant, IRRI 2. Dr. Kalyan Pathak , HoD, Department of Agronomy	Repporteur : Dr. Safiqul Hussain, ARRI, Titabor Dr. Meghali Baruah, Dept of PBG, AAU
Time allocation: Key note: 15 Min Lead lecture: 12 Min Invited talk = 10 Min Oral = 8 Min Panel discussion: 30- 60 Min Poster session: after completion of oral presentation Lunch break: 1:00 to 2:00 pm		

Sl.N o	Topic	Affiliation	Mail id	Mode
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1	EFFECT OF LEAD LEVELS ON GERMINATION ATTRIBUTES AND BIOCHEMICAL PARAMETERS IN RICE (ORYZA SATIVAL.)	Abhilasha Choudhary and Savita Jangde Department of Plant Physiology, Institute of Agricultural Sciences, Banaras Hindu University Varanasi-221005 (U.P.)	savi.bhu31@gmail.com	Poster
2	OPTIMIZING PLANTING DATE OF PROMISING RICE GENOTYPES FOR WET SEASON IN RAINFED ENVIRONMENT	B. Karmakar Principal Scientific Officer and Head, Bangladesh Rice Research Institute (BBRI), Regional Station, Sonagazi, Feni 3930, Bangladesh	biswajitbri@gmail.com	Oral
3	UNDERSTANDING THE PHYSIOLOGICAL AND MOLECULAR MECHANISM OF SALINITY TOLERANCE AT EARLY SEEDLING AND REPRODUCTIVE STAGES IN RICE	Koushik Chakraborty*, Subhankar Mondal, Ankita Mohanty, Priyanka Jena, Krishnendu Chattopadhyay ICAR-National Rice Research Institute, Cuttack – 753006, India	Koushik.Chakraborty@icar.gov.in ; koushikiari@gmail.com	Invited
4	MECHANIZATION AND POSTHARVEST MANAGEMENT FOR INCREASED FARMING EFFICIENCY AND REDUCED CARBON FOOTPRINT IN RICE PRODUCTION	Nguyen Van Hung, Suryakanta Khandai, Sudhanshu Singh, Virender Kumar International Rice Research Institute	hung.nguyen@irri.org	Key note
5	MARKET-DRIVEN PRODUCT MANAGEMENT FOR A FAST-PACED VARIETAL TURNOVER IN EASTERN INDIA	Swati Nayak*, Sk Mosharaf Hossain*, Neeraj Kumar Tyagi* * International Rice Research Institute	s.nayak@irri.org	Key note
6	COMPARATIVE EVALUATION OF SOLAR BUBBLE DRYER WITH SOLAR TUNNEL AND SUN DRYING	Yogendra Kumar Jyoti ¹ , Sanjaya K Dash ¹ , Kalpana Rayaguru ¹ , Suryakanta Khandai ² , PN Ananth ³ and Uma Sankar Pal ¹	rayagurukalpana@yahoo.com	

	BASED ON DRYING, MILLING AND COOKING CHARACTERISTICS OF PADDY	¹ Department of Agricultural Processing and Food Engineering, CAET, OUAT, Bhubaneswar, India , ² IRRI, APART, Guwahati, Assam, India ³ KVK-Khordha, Bhubaneswar, Odisha, India		
7	50 YEARS OF RICE BREEDING IN BANGLADESH: GENETIC YIELD TRENDS	Niaz Md. Farhat Rahman ^{1*} , Waqas Ahmed Malik ² , Md. Shahjahan Kabir ¹ , Md. Azizul Baten ³ , Md. Ismail Hossain ¹ , Debi Narayan Rudra Paul ¹ , Rokib Ahmed ¹ , Partha Sarathi Biswas ¹ , Md. Chhiddikur Rahman ¹ , Md. Sazzadur Rahman ¹ , Khandakar Md. Iftekharuddoula ¹ , Steffen Hadasch ² , Paul Schmidt ² , Md. Rafiqul Islam ⁴ , Md. Akhlasur Rahman ¹ , Gary N. Atlin ⁵ , Hans-Peter Piepho ² ¹ Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh, ² University of Hohenheim, Biostatistics Unit, Stuttgart, Germany, ³ Shahjalal University of Science and Technology, Sylhet, Bangladesh, ⁴ International Rice Research Institute (IRRI), Dhaka, Bangladesh ⁵ Bill & Melinda Gates Foundation, USA	niaz.sust@gmail.com	Oral
8	DIVERSIFICATION AND INTENSIFICATION OF RICE-BASED CROPPING SYSTEM FOR IMPROVING SYSTEM PRODUCTIVITY IN ASSAM	Virendar Kumar ¹ , Suryakanta Khandai ¹ , Suranjana Bhaswati Borah ¹ , Vipin Kumar ¹ , Rupam Borgohain ² and Sudhanshu Singh ¹ ¹ International Rice research Institute, India ² Assam Agricultural University, Jorhat	v.kumar@irri.org	Lead presentation
9	MECHANIZATION OF SMALL-SCALE FARMS IN NORTH-EAST INDIA: A REVIEW	Suryakanta Khandai ¹ , Virendar Kumar ¹ , and Sudhanshu Singh ¹ ¹ International Rice research Institute, India	s.khandai@irri.org	Oral
10	RECONCILING PRODUCTIVITY, PROFITABILITY AND RESILIENCE OF RICE-BASED CROPPING SYSTEMS THROUGH MECHANIZED DIRECT-	Malay K. Bhowmick ^{*1} , Sunil Kumar ¹ , Suryakanta Khandai ² , Virendar Kumar ² , Panneerselvam Peramaiyan ¹ , Virender Kumar ³ and Sudhanshu Singh ¹ ¹ International Rice research Institute, Varanasi ² International Rice	m.bhowmick@irri.org	Oral

	SEEDED RICE	research Institute, Guwahati ³ International Rice research Institute, Los Banos		
11	DIGITAL TOOLS FOR INCREASING RICE PRODUCTIVITY IN ASSAM	Jyoti Bikash Nath ¹ , Virendar Kumar ¹ , Rupam Borgohain ² , Suryakanta Khandai ¹ and Sudhanshu Singh ¹ ¹ International Rice research Institute, India ² Assam Agricultural University, Jorhat	j.b.nath@irri.org	Oral
12	MEASURING WOMEN EMPOWERMENT FROM AGRICULTURE AND ITS EFFECT ON PRODUCTION EFFICIENCY IN ASSAM	Lisa Mariam Varkey ¹ , Prakashan Chellattan Veettil ¹ , Kanwar Singh ³ , Rupam Borgohain ² , Ashok Bhattacharya ² , Sudhanshu Singh ¹ International Rice research Institute, India ² Assam Agricultural University, Jorhat ³ International Rice research Institute, India (Ex)	l.varkey@irri.org	Oral
13	AWARENESS AND CAPACITY BUILDING UNDER APART: AN EFFECTIVE WAY TO BRING AGRICULTURAL TRANSFORMATION IN ASSAM	M. Mudoi ¹ , Ankita Sahu ¹ , Vipin Kumar ¹ , Vivek Kumar ¹ , Jyoti Bikash Nath ¹ , Suryakanta Khandai ¹ , Virendar Kumar ¹ , Rupam Borgohain ² and Sudhanshu Singh ¹ International Rice research Institute, India ² Assam Agricultural University, Jorhat	m.mudoi@irri.org	Poster
14	IMPACT OF STRESS-TOLERANT RICE VARIETIES TO COMBAT CLIMATE-CHANGE RISKS IN ASSAM	Neeraj Kumar Tyagi ¹ , Suryakanta Khandai ¹ , Swati Nayak ¹ , Rupam Borgohain ² , Virendar Kumar ¹ and Sudhanshu Singh ¹ International Rice research Institute, India ² Assam Agricultural University, Jorhat	n.k.tyagi@irri.org	Oral
15	IPM INTERVENTIONS FOR SUSTAINABLE INTENSIFICATION OF RICE CULTIVATION IN ASSAM	Thanga Suja Srinivasan ¹ , Suryakanta Khandai ¹ , Virendar Kumar ¹ International Rice Research Institute	t.srinivasan@irri.org	Oral
16	ESTIMATING FLOOD-PRONE RICE AREAS OF ASSAM FROM TIME-SERIES SENTINEL-1 SAR DATA	Suranjana Bhaswati Borah ¹ , Amit Srivastava ¹ , Rupam Borgohain ² , and Sudhanshu Singh ¹ International Rice research Institute, India ² Assam Agricultural University, Jorhat	s.borah@irri.org	Oral
17	ASSESSING THE PERFORMANCE OF NANO-UREA IN REDUCING THE ENERGY AND GLOBAL WARMING POTENTIAL OF RICE IN THE	Vipin Kumar ¹ , Jitendra Singh ² , Ashish Kumar Srivastava ¹ , Kanwar Singh ³ , Vivek Kumar ¹ , Suryakanta Khandai ¹ , Rajiv Kumar ² , Virendar Kumar ¹ and Sudhanshu Singh ¹ International Rice research Institute,		Poster

	RAINFED ENVIRONMENT OF ASSAM	India ² Assam Agricultural University, Jorhat ³ International Rice research Institute, India (Ex)		
18	Carbon sequestration: an optional agriculture system *jitendra singh ¹ , archana negi ² , rohit ³ , rajiv kumar ⁴ and vipin kumar ⁵	*jitendra singh ¹ , archana negi ² , rohit ³ , rajiv kumar ⁴ and vipin kumar ⁵ ¹ assistant professor, department of agriculture, shri ram college, Muzaffarnagar ² assistant professor, department of agriculture, shri ram college, Muzaffarnagar ³ srf-all india coordinated research project for dryland agriculture, r.b.s. college, bichpuri, agra, uttar pradesh, india ⁴ associate professor, faculty of agriculture, motherhood university, roorkee, haridwar uttarakhand, india ⁵ associate scientist, international rice research, los baños, philippines	jitu1040@gmail.com	Poster
19	SILICON AND PACLOBUTRAZOL-MEDIATED LODGING RESISTANCE IN CONTRASTING RICE CULTIVARS	Puja Bhoi ¹ , Preetam Kumar Senapati ² , Kuntala Kisan ³ and EkamberKariali* School of Life Sciences, Sambalpur University, Jyoti vihar, Sambalpur, 768019, Odisha, India.	puja.bhoi001@gmail.com ¹ , ekamberk@rediffmail.com *	Poster
20	B-AMINOBUTYRIC ACID (BABA)-INDUCED RESISTANCE TO RHIZOCTONIA SOLANI CAUSING SHEATH BLIGHT DISEASE IN RICE (ORYZA SATIVAL.)	Raghu Shivappa ^{1*} , Jeevan B ¹ , Mathew S Baite ¹ , Prabhukarthikeyan SR ¹ , Sushma M Awaji ² , Prajna Pati ³ , Manas Kumar Bag ¹ and PC Rath ¹ Crop Protection Division, ICAR-National Rice Research Institute (NRRI), Cuttack-753006, Odisha, Infgeopdia. 1. Crop Physiology and Biochemistry Division, ICAR-National Rice Research Institute (NRRI), Cuttack-753006, Odisha, India.Department of Entomology, Institute of Agricultural Sciences (IAS), Siksha 'O' Anusandhan Deemed to be University (SOA), Bhubaneswar, Odisha.	raghurm531@gmail.com	Oral
21	NITROGEN USE EFFICIENCY OF	S.Jothimani and K.Sivasabari	subbiahjothimani@g	Oral

	EFFICIENT AND RESPONSIVE RICE GENOTYPES UNDER MODIFIED N SOURCES	Agricultural College and Research Institute , Tamil Nadu Agricultural University, Killikulam, Vallanadu – 628 252, Thoothukudi District, Tamil Nadu	mail.com	
22	EXPRESSION PATTERN OF PROTEINS IN RICE VARIETIES UNDER DIFFERENT NITROGEN TREATMENTS	Sana Basri, Altaf Ahmad*Department of Botany, Aligarh Muslim University, Aligarh, Uttar Pradesh, India-202002	sana.basri8270@gmail.com	Poster
23	RECENT TECHNIQUES OF NITROGEN MANAGEMENT IN WET DIRECT SEEDED SALI RICE	Santanu Kaushik Borah, Kalyan PathakCPGS-ASDepartment of Agronomy, AAU, Jorhat		Poster
24	INTERACTIVE EFFECT OF LIME, BIOCHAR AND FYM ON SOIL ACIDITY INDICES UNDER RICE IN ACID INCEPTISOL	Shubham Singh*, Sanjay Swami, M.S.S. Charan Satya and Pritisha PatgiriSchool of Natural Resource Management, College of Post Graduate Studies in Agricultural Sciences, Central Agricultural University, Umiam, 793103	shubhamagri1995@gmail.com	Poster
25	EFFECTS OF INCREASING LEVELS OF HEAT STRESS ON GROWTH AND YIELD CHARACTERISTICS OF IRRIGATED RICE	Soni Talukdar ¹ , Leena Borah ¹ , Pankaj Kumar Debchoudhury ² Department of Environmental Biology and Wildlife Sciences, Cotton University, Panbazar, Guwahati – 781001, Assam, India ² Regional Agricultural Research Station, Assam Agricultural University, Shillongani, Nagaon- 782002, Assam, India	sonitalukdar1111@gmail.com	Oral
26	UTILIZATION OF NANO-UREA FOR INCREASING PRODUCTIVITY AND PROFITABILITY OF WINTER RICE	SurajitKalita*, MrinalSaikia, Kalyan Pathak, Rupam Borgohain, Ashok Bhattacharyya, Debanand Das, Manoj Kr. Chouhan, Debjyoti Nath and Pranjal BhuyanDirectorate of Research (Agri), Assam Agricultural University, Jorhat-785013, Assam	surajit.kalita@aau.ac.in	Poster

27	POPULATION IMPROVEMENT FOR ACCELERATED GENETIC GAIN THROUGH TRANSFORMING BREEDING IN RICE: PROGRESS AND PROSPECT	KM Iftekharuddaula, PS Biswas, M Akhlasur Rahman, M Khatun, MA Kader, MRA Sarker, S Ghosal, M Anisuzzaman, TK Hore, H Khatun, RR Majumder, ME Ahmed, SK Debsharma, N Jahan, UR Saha, MY Khan, NMF Rahman, M Khalequzzaman and MS KabirPlant Breeding DivisionBangladesh Rice Research Institute, Gazipur-1701	niaz.sust@gmail.com	Poster
28	SCENARIO OF RICE STRAW BURNING AND POTENTIAL OF ALTERNATE USES OF STRAW IN ODISHA	Debarati Bhaduri ^{1*} , Pratap Bhattacharyya ¹ , A.K. Nayak ¹ , V.K. Sehgal ² , Debashis Chakraborty ³ 1Crop Production Division, ICAR-National Rice Research Institute, Cuttack-753006, Odisha2Division of Agricultural Physics, ICAR-IARI, New Delhi-1100123ICAR- Research Complex for NEH Region, Umiam-793103 Meghalaya	debarati.ssiari@gmail.com Debarati.Bhaduri@icar.gov.in	Oral
29	STARCH DIGESTIBILITY AND ESTIMATED GLYCEMIC INDEX OF RICE DIFFERING IN AMYLOSE CONTENTS	Deena Lyrisha Aranha ¹ and Samindra Baishya ² ^{1,2} Department of Biochemistry & Agricultural Chemistry, Assam Agricultural University, Jorhat, Assam, India.	deena.aranha.adj22@aau.ac.in	Poster
30	STUDY ON BIOCHEMICAL QUALITY OF SPECIALITY RICE OF ASSAM DURING STORAGE AT AMBIENT CONDITION	Pratiksha Baruah ¹ , Priyanka Das ^{1*} , Tangkeswar Nath ² , Manas Jyoti Baruah ³ and Smrita Baruah ⁴ 1Department of Biochemistry and Agricultural Chemistry2 Department of Agricultural Biotechnology3 Department of Agricultural Engineering4 Department of Agricultural StatisticsAssam Agricultural University, Jorhat: 785013, Assam	priyanka.das@aau.ac.in	poster
31	GENETIC VARIABILITY, CORRELATION, AND GENETIC DIVERSITY ASSESSMENT IN RICE UNDER DROUGHT STRESS	Khonanglongkho ¹ , A. R. Baruah ^{1,2} , S. K. Chetia ^{1,3} , K. Das ^{1,4} and D. Sarma ^{*1, 1.3} and * Plant Breeding and Genetics, Assam Agricultural University, Jorhat ^{1,2} Agricultural Biotechnology, Assam Agricultural University, Jorhat	debojit.sarma@aau.ac.in	Poster

		^{1,4} Crop Physiology, Assam Agricultural University, Jorhat		
32	BIOSYNTHESIS, CHARACTERIZATION OF NANO-PARTICLES AND EFFICACY OF NANOMEDIATED PESTICIDES AGAINST SHEATH BLIGHT AND BACTERIAL BLIGHT DISEASES OF RICE IN BANGLADESH	MA Latif*, AKM Shafiqul Islam, MAI Khan, S Akter, R Akter, MHR Hera, MA Monsur, and MR Bhuiyan Plant Pathology Division, Bangladesh Rice Research Institute (BRRI), Bangladesh Dr. M A Latif, Plant Pathology Division, BRRI, Gazipur-1701	alatif1965@yahoo.com	Oral
33	IMPROVED GRAIN QUALITY PARAMETERS THROUGH NUTRIENT MANAGEMENT PRACTICES IN THE RAINFED LOWLAND ENVIRONMENTS	A. K. Srivastava ^{1*} , Vivek Kumar Singh ¹ , Malay K. Bhowmick ¹ , P. Panneerselvam ¹ and Sudhanshu Singh ¹¹ International Rice Research Institute-South Asia Regional Centre, NSRTC Campus, Collector Farm, Industrial Estate, Varanasi 221006, Uttar Pradesh, India,	a.srivastava@irri.org	Oral
34	LOCAL PREDICTION OF OUTBREAK OF RICE SWARMING CATERPILLAR: A NEED TO PROTECT THE ORGANIC NATURE OF RICE CULTIVATION IN NER INDIA	Arup Kumar Sarma ¹ , Christian Damgaard ² and Prasanta Neog ³¹ Department of Entomology, Assam Agricultural University, Jorhat-785013, India ² Department of Ecoscience, Aarhus University, Vejlsoevej 25, 8600 Silkeborg, Denmark ³ Department of Agrometeorology, BNCA, AAU, Biswanath Chariali-784176, India	neogprasanta@rediffmail.com	Oral

Panel Discussion:

On:

- a) Dr. **Madan K. Bhattacharyya**. Professor, Department of Agronomy, Plant Biology,
- b) Dr. Mrinal Saikia, ADR, DoR, AAU, Jorhat
- c) Dr. V.K. Yadav
- d) Dr. Ranjan Das

- e) Dr. Kaousik Charaborty , ICAR
- f) Dr. B. Karmakar, Principal Scientific Officer and Head, Bangladesh Rice Research Institute (BBRI),
- g) Dr. Nguyen Van Hung,, IRRI

*Chairperson and Co-chairperson will judge both oral and poster presentation session.

*After completion of the oral presentations, the poster presentations will be judged.

* Rapporteurs will submit the proceedings same day to Dr. P. K. Barua, Professor, PBG & Chairman, Technical Committee covering the particulars of presented papers, results and outcome of the sessions. (mail id:purna.barua@aau.ac.in)