

Date: 27.04.2023 (Thursday)

Technical session: 13

Title :Natural Farming & Farming System	Timing: 10:30 AM – 5:00 PM Venue: Room 11, Academic Complex, AAU, Jorhat	
Chairperson: Dr. A Baishya, DPGS (Retired), AAU Co.-Chairperson: Dr. Rohit Joi, CSIR-Palampur	Moderators: Dr. Bhabesh Gogoi, Department of Soil Science, AAU Dr. Monisha Borah, department of Ag. Economics, AAU, Jorhat	Rapporteurs : Dr. Milan Jyoti Konwar, ARRI, Titabar Dr. Lipika Takukdar, Agron. Dept.
Time allocation: Total 31 papers Key note: 15 Min – 3 Nos. (45 min) Lead lecture: 12 Min - Nil Invited talk = 10 Min – 5 Nos. (50 min) Oral = 8 Min – 11 Nos. (88 min) Panel discussion: 30- 60 Min Poster session: after completion of oral presentation – 12 Nos.		

Natural Farming & Farming System

Sl.No	Topic	Affiliation	Email ID	Mode of presentation
1	Ecologically and economically sustainable agriculture	Dr. Ramanjaneyulu, Executive Director · Centre for Sustainable Agriculture, Hyderabad, Telangana, India	ramoo@csa-india.org	Key note
2	Why natural farming technology be adopted and researches intensified?	R.S. Dwivedi*,Rajesh Bajpai and R.P.Singh P. H. S. S. Foundation for Science and Society; 04-First Floor, Eldeco Xpress	Drrsdw@gmail.com	Key note

		Plaza, Shaheed Path, Utrathia, Raebareli Road, Lucknow-25		
3	Seaweed extract fertilizer used for agricultural plants	Anantharaman, Noorjahan.A, Syed Abdul Rahman.M Centre of Advanced study in Marine Biology, Faculty of Marine Sciences, AnnamalaiUniversity, Chennai	Panantharaman@gmail.com	Key note
4	Effect of organic package for the cultivation of turmeric and curcumin content under the agroecological conditions of Meghalaya, India	Pranab Dutta ¹ , <u>Arti Kumari*</u> , L. Deb, R. Syiem, A. L. Ka-ot, J. Gogoi, M. Mahanta, K. R. Puzari and D. P. V Reddy School of Crop Protection, CPGS-AS, Central Agricultural University (Imphal), Umiam-793103, Meghalaya,	*artikumari14002@gmail.com , ¹ pranabdutta74@gmail.com	Invited
5	Farming system - an approach for ecological sustainability and livelihood security	Dr. Bisram, CPGS, CAU	kalyan.pathak@aau.ac.in	Invited
6	Assessment of integrated farming systems for sustainable agriculture in Eastern Himalayan region for sustainability	L K Baishya*, Meryani M Lotha, Jyotish Barman, Z. Kawikhonliu, azezeseyie, Aabon W. Yanthan, Christy B. K. Sangma, L. J. Bordoloi, Pempa L. Bhutia, Mahak Singh, Moa Sangtam, Robin Singh, N Ezung, D J Rajkhowa and V.K. Mishra ICAR Research Complex for North Eastern Hill Region, Nagaland Centre, Jharnapani797106 Nagaland	Lkbicar@gmail.com	Invited
7	Conservation agronomy: a successful venture for resource management in NE India	Dr. A. K. Singh		Invited
8	Natural farming: an agro-ecological approach for diversity and nutritional sustainability	Dr. K. Pathak		Invited
9	Botanicals as a tool for integrated weed	Dr. K. Kurmi		Oral

	management in natural farming			
10	Organic farming: a review towards agriculture	Pawar, A.D. ¹ , Pawar, G.S. ² , Halge, S.S. ³ and Adsure, D.D. ⁴ College of Agriculture, VNMKV, Parbhani-431402	Avadhutpawar111@gmail.com	Oral
11	Precision farming-a tool for climate resilient agriculture	Bijaylakhmi Goswami ¹ , Naseema Rahman ² and R. N. Borkakati ³ , Agrithink Services LLP, Guwahati 781038, , Kahikuchi, Guwahati, AAU-ZRS, Shillongani, Nagaon-782002	Bijaylakshmi@agrithinks.com , naseema@gmail.com Rnbk.agri@gmail.com	Oral
12	Management of <i>Meloidogyne graminicola</i> in direct seeded organic agriculture	Debanand Das, B. N. Choudhury and Nilay Borah ¹ Department of Nematology, Assam Agricultural University, Jorhat-13 ¹ Department of Soil Science, Assam Agricultural University, Jorhat-13	Debanand.das@aau.ac.in	Oral
13	Organic farming	Ghatul S.S., Bhosale G.B. and Pawar, G.S Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani. (M.S)	Krishnaghatul9657@gmail.com , govindbhosale5@gmail.com	Oral
14	Major farming systems and associated agrobiodiversity in Mima village, Kohima, Nagaland	Meribeni Tsopoe ^{1*} , Kambam Boxen Meetei ¹ , Krishna Giri ² and Gaurav Mishra ² ¹ Rain Forest Research Institute, Jorhat- 785 010, India ² Centre of Excellence on Sustainable Land Management, Indian Council of Forestry Research and Education, Dehradun-248 006, India	*meritsopoe123@gmail.com	Oral
15	Organic farming-eco-friendly agriculture and a vision toward a healthy nation	Prakash Yadav, T Pandiaraj, D.K. Singh, Vimlesh Kumar, Akanksha Tiwari and Vijay Laxmi Rai College of Agriculture, Acharya Narendra	Prakashyadav1472@gmail.com	Oral

		Deva University of Agriculture and Technology, Kotwa, Azamgarh-276001, UP,		
16	A study on the constraints faced by the farmers on organic farming of rice in Arunachal Pradesh, India	Sangeeta Sharma, Taja Marde and Mainu Hazarika Arunachal University of Studies Namsai- 792103, Arunachal Pradesh, India	Jorhatsang@gmail.com	Oral
17	Effect of organic manures and biofertilizers on soil microbial count and organic carbon under purple passion fruit cultivation.	¹ R. Lalmanpuii, ² HP Lalmangaihzuai, ² T. K. Hazarika and ¹ S. K. Pandey ¹ Department of Horticulture, College of Agriculture, Jawaharlal Nehru Krishi Vishwa Vidhyalaya, Jabalpur, Madhya Pradesh- 482004 ² Dept. Of Horticulture, Aromatic and Medicinal Plants, School of Earth Sciences and Natural Resources Management, Mizoram University, Aizawl, Mizoram-796004	Apuiirenthlei16@gmail.com	Oral
18		Halge, S.S., Pawar, G.S., Pawar, A.D. and Adsure, D.D. College of Agriculture, VNMKV, Parbhani-431402	swapnilhalge1997@gmail.com	Oral
19	Coconut (<i>Cocos nucifera</i> L.) Milk: an alternative to growth regulating substances for physiological performance of rice (<i>Oryza sativa</i> L.) crop in natural farming under acid soil condition	Nibedita Basumatary* and Bhagawan Bharali Department of Crop Physiology, Faculty of Agriculture, Assam Agricultural University	Nibedita.basumatary.amj20@aau.ac.in	Oral
20	Smart farming: the future of climate resilient agriculture	Chandan.A.S, Ranjan Das, P.Sandhya Rani, N. V. Sarala, P.Sudhakar, Rajesh chintey, Govardana	Chandan.as.adj21@aau.ac.in	Poster

		Rao, Faheem Akhtar Assam Agricultural University –Jorhat		
21	Trout farming: revenue generator for small scale farmers	Cheredy Maheshwara Reddy ^{1*} , Dr. K. Pathak ¹ ¹ Department of Agronomy, Assam Agricultural University, Jorhat, 785013, Assam	Cmragronomy@gmail.com	Poster
22	Improving farmers income through rice-based farming system	Bidyapatithangjam* ¹ and K.K. Jha ² Dept of Agricultural Extension, NU, SASRD, Medziphema, Nagaland	Vidyathangjam@gmail.com	Poster
23	Third modern farming revolution: precision agriculture	Deepika Sorahia ^{1*} , M. Sai Kumar ¹ , Shimantini Borkataki ¹ and Ritu Ranjan Taye ² ¹ Department of Entomology, Assam Agricultural University, Jorhat-785013, Assam, India ² Regional Agricultural Research Station, Karimganj-788710, Assam, India	Deepikasorahia@gmail.com	Poster
24	Zero budget natural farming: a great deal of cut-rate farming method	Ekta Singh, Sanjeev Atrey Assistant Professor, NANDUAT, Kumarganj, Ayodhya-224229	Sanjeevatrey365@gmail.com) Ektasinghicar@gmail.com ,	Poster
25	Impact of farm mechanization on soil properties	KANAGAVALLI.		Poster
26	Natural farming: a way to sustainability	Kishor Jyoti Bhuyan Assam Agricultural University	Kishor.bhuyan.amj21@aau.ac.in	Poster

27	Natural farming- a boon to mother earth	Nikita Kaman Department of Agronomy, Assam Agricultural University, Jorhat- 785013 Assam	Nikita.kaman.adj21@aau.ac.in	Poster
28	Panchagavya for sustainable organic farming	Nilakhi Das Assam Agricultural University, Jorhat, 13	Nilakhi.das.adj21.aau.ac.in	Poster
29	In depth study on pre-sowing seed treatments using bio-formulations in transplanted aromatic rice under organic conditions	Shamima Nasrin ¹ , Sharmila Dutta Deka ¹ , Tulika Medhi ¹ , Kaushik Das ² , Pranab Dutta ³ , Priyanka Sharma ¹ , Abhilisa Mudoi ¹ ¹ seedscience and Technology Programme, (AICRP) on Seeds, Department of Plant Breeding and Genetics, Faculty of Agriculture, Assam Agricultural University, Jorhat-785013 ² Department of Crop Physiology, Faculty of Agriculture, Assam Agricultural University, Jorhat-785013 ³ Department of Plant Pathology, Faculty of Agriculture, Assam Agricultural University, Jorhat-785013	Shamima.nasrin.amj18@aau.ac.in	Poster
30	Improvement of soil properties under natural farming: a brief review	Bitopan Das ¹ , Saurav Kumar Dutta ² , K. N. Das ³ , Amlandeep Chutia ⁴ ^{1,4} Department of Soil Science, Assam Agricultural University, Jorhat ² Department of Agronomy, Assam Agricultural University, Jorhat ³ Department of Soil Science, Assam Agricultural University, Jorhat	Bitopandas124@gmail.com	Poster
31	Effect of plant growth promoting	Pankhi Priya Neog, Nayanjyoti Ojha,		Poster

	microbes on organically grown traditional potato cultivars	Mahima Begum Assam Agricultural University, Jorhat 785013		
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Panel discussion : Scope for Environmental revitalization through natural farming:

Panellists:

- 1) Dr. Ramanjaneyulu, Executive Director · Centre for Sustainable Agriculture, Hyderabad, Telangana, India
- 2) Dr. Rohit Joci, CSIR-Palampur
- 3) Dr. D. K. Patgiri, AAU Jorhat
- 4) Dr. M. Neog, AAU Jorhat
- 5) Dr. Bisram
- 6) Dr. D.J Nath, AAU Jorhat
- 7) Dr. K. Kurmi, AAU Jorhat

*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)