



**INTERNATIONAL CONFERENCE ON TRENDS IN PLANT SCIENCES AND AGROBIOTECHNOLOGY-2019**

**ICTPA-2019**

**DETAILED TECHNICAL PROGRAM**



Time		DAY 1: FEBRUARY 14, 2019 (THURSDAY)	
7:30-15:30	REGISTRATION		
9:00-10:30	WELCOME & INAUGURATION		
9:00-9:10	INVOCATION		
9:10-9:15	Welcome Address by Convener Prof. Rakhi Chaturvedi, IIT Guwahati		
9:15-9:20	Welcome Note Head, Centre for Rural Technology, IIT Guwahati		
9:20-9:35	Inaugural Address by Chief Patron Prof. Gautam Biswas, Director, IIT Guwahati		
9:35-9:50	Address by Patron and Secretary PTCA-I Prof. Pramod Tandon, Biotech Park, Lucknow		
9:50-10:30	Inaugural Plenary Lecture <b>Prof. Sant Saran Bhojwani</b> Dayalbagh Educational Institute (DEI), Agra, India		
10:30-10:35	Vote of Thanks Head, Biosciences and Bioengineering Department, IIT Guwahati		
10:35-11:10	HIGH TEA		
11:15-13:00 PTCA-I MEMORIAL LECTURE			
	Chairperson		
	Co-Chairperson		
11:15-11:45	Prof. Gadgil Memorial Lecture 2018 by <b>Prof. Suresh Chand</b> , Devi Ahilya University, Indore, India		
11:45-12:15	Prof. H. C. Arya Memorial Lecture 2019 by <b>Prof. M. V. Rajam</b> , University of Delhi - South Campus, Delhi, India		
12:15-12:45	Prof. F.C. Steward Memorial Lecture 2019 by <b>Dr Sharmila Chattopadhyay</b> , CSIR-Indian Institute of Chemical Biology (IICB) Kolkata, India		
12:45-13:55	LUNCH BREAK		
12:45-13:55	POSTER SESSION - I		
PARALLEL SESSIONS 1 & 2			
14:00-15:30 SESSION 1: BEST PRACTICES IN IN VITRO TISSUE CULTURE OF WOODY PLANTS		SESSION 2: ELICITATION OF SECONDARY METABOLITES	
	Chairperson: <b>Prof. Paramjit Khurana</b> , University of Delhi - South Campus, Delhi, India		Chairperson: <b>Dr Suchitra Banerjee</b> , CSIR- Central Institute of Medicinal and Aromatic Plants, Lucknow, UP, India
	Co-Chairperson: <b>Prof. Latha Rangan</b> , IIT Guwahati, Assam, India		Co-Chairperson: <b>Prof. Vishal Trivedi</b> , IIT Guwahati, Assam, India
14:00-14:30	Keynote Lecture <b>Prof. Paramjit Khurana</b> , University of Delhi - South Campus, Delhi, India	Keynote Lecture <b>Dr Suchitra Banerjee</b> , CSIR- Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, India	
Invited Lectures (IL)			
14:30-14:50	IL-1: <b>Prof Smitha Hegde</b> , Nitte University Centre for Science Education and Research, Mangaluru, Karnataka, India	IL-1: <b>Prof Adinpunya Mitra</b> , Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India	
14:50-15:10	IL-2: <b>Dr Varsha Parasharami</b> , CSIR-National Chemical Laboratory, Pune, Maharashtra, India	IL-2: <b>Prof Neelakantan Arumugam</b> , Pondicherry University, Pondicherry, India	
15:10-15:30	IL-3: <b>Dr Naseem Ahmed</b> , Aligarh Muslim University, Aligarh, Uttar Pradesh, India	IL-3: <b>Dr K.V. Saritha</b> , Sri Venkateswara University, Tirupati, Andhra Pradesh, India	
15:30-16:00	TEA BREAK		

PARALLEL SESSIONS 3 & 4		
<b>16:00-17:30</b>	<b>SESSION 3: BEST PRACTICES IN MICROPROPAGATION OF HERBACEOUS PLANTS</b>	<b>SESSION 4: PLANT BIOTECHNOLOGY AND PRECISION BREEDING</b>
	Chairperson: <b>Prof Veena Agrawal</b> , University of Delhi, Delhi, India	Chairperson: <b>Prof. Satyawada Rama Rao</b> , North-Eastern Hill University, Shillong, Meghalaya, India
	Co-Chairperson: <b>Dr Sarita Arya</b> , Arid Forest Research Institute, Jodhpur, Rajasthan, India	Co-Chairperson: <b>Dr I.D. Arya</b> , Arid Forest Research Institute, Jodhpur, Rajasthan, India
<b>16:00-16:30</b>	<b>Keynote Lecture</b> <b>Prof Veena Agrawal</b> , University of Delhi, Delhi, India	<b>Keynote Lecture</b> <b>Prof. Sadanand A. Dhekney</b> , University of Wyoming, Wyoming, USA
	<b>Invited Lecture (IL)</b>	
<b>16.30-16.50</b>	IL-1: <b>Dr Manab Gogoi</b> , Assam Agricultural University, Jorhat, Assam, India	IL-1: <b>Prof. Satyawada Rama Rao</b> , North-Eastern Hill University, Shillong, Meghalaya, India
<b>16.50-17.10</b>	IL-2: <b>Dr Govidugari Vijaya Laxmi</b> , Chaitanya Bharathi Institute of Technology, Hyderabad, Tengana	IL-2: <b>Prof. Shailendra Goel</b> , University of Delhi, Delhi
<b>17.10-17.30</b>	IL-3: <b>Dr Mithilesh Singh</b> , G.B.P. National Institute of Himalayan Environment and Sustainable Development, Gangtok, Sikkim	IL-3: <b>Dr Arun Kumar</b> , ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan, India
<b>17:35-18:30</b>	<b>Flash Talks</b>	
<b>17.35-17.50</b>	FT-1: <b>Dr Anjana Rustagi</b> , University of Delhi, Delhi, India	
<b>17.50-18.05</b>	FT-2: <b>Sumitra K. Choudhary</b> , Jai Narain Vyas University, Jodhpur, Rajasthan, India	
<b>18.05-18.20</b>	FT-3: <b>Ammana Sabitha Rani</b> , Osmania University, Hyderabad, Tengana, India	
<b>18.20-18.35</b>	FT-4: <b>Radhika Rajendran</b> , Madhav Institute of Technology and Science, Gwalior, Madhya Pradesh, India	
<b>17:35-18:30</b>	<b>Interactive Poster Session- I &amp; II</b>	
<b>18:35-20:00</b>	<b>CULTURAL PROGRAM</b>	
<b>20.00 Onwards</b>	<b>DINNER</b>	
<b>DAY 2: FEBRUARY 15, 2019 (FRIDAY)</b>		
<b>7:30-3:30</b>	<b>REGISTRATION</b>	
<b>9:00-9:30</b>	<b>Plenary lecture</b> <b>Prof. Sudhir K. Sopory</b> International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India	
<b>9:30-11:00</b>	<b>SESSION 5: PLANT HORMONE AND SIGNAL TRANSDUCTION</b>	
	Chairperson: <b>Prof. Sudhir K. Sopory</b> , International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India	
	Co-Chairperson: <b>Prof. Prakash Kumar</b> , National University of Singapore, Singapore	
<b>9:30-10:00</b>	<b>Keynote Lecture</b> <b>Prof. Prakash Kumar</b> , National University of Singapore, Singapore	
	<b>Invited Lecture (IL)</b>	
<b>10:00-10:20</b>	IL-1: <b>Dr Vivek Verma</b> , Central University of Rajasthan, Jaipur, Rajasthan, India	
<b>10:20-10:40</b>	IL-2: <b>Dr Indu George</b> , University of Mumbai, Mumbai, Maharashtra, India	
<b>10:40-11:10</b>	<b>Flash Talks</b>	
<b>10:40-10:55</b>	FT-1: <b>Dr Smrutisanjita Behera</b> , CSIR-Indian Institute of Chemical Biology, Kolkata, West Bengal, India	
<b>10:55-11:10</b>	FT-2: <b>Dr Anchal Goel</b> , Chandigarh University, Mohali, Punjab, India	
<b>11:10-11:30</b>	<b>TEA BREAK</b>	
<b>PARALLEL SESSIONS 6 &amp; 7</b>		
<b>11:30-13:00</b>	<b>SESSION 6: BIOPROCESS DEVELOPMENT, REACTOR DESIGN AND SCALE-UP STUDIES</b>	<b>SESSION 7: APPLICATION OF FLOW CYTOMETRY IN BIOLOGICAL RESEARCH</b>
	Chairperson: <b>Prof. Virendra S. Bisaria</b> , Indian Institute of Technology Delhi, Delhi, India	Chairperson: <b>Dr Pon Samuel</b> , Corteva AgroScience™, Agriculture Division of DowDuPont™, Johnston, USA
	Co-Chairperson: <b>Dr Pradeep Agrawal</b> , CSMCRI, Bhavnagar, India	Co-Chairperson: <b>Prof. S.S. Ghosh</b> , IIT Guwahati, Guwahati, Assam, India
<b>11:30-12:00</b>	<b>Keynote Lecture</b> <b>Prof. Virendra S. Bisaria</b> , Indian Institute of Technology Delhi, Delhi, India	<b>Keynote Lecture</b> <b>Dr Pon Samuel</b> , Lead Research Scientist, Corteva AgroScience™, Agriculture Division of DowDuPont™, Johnston, USA
	<b>Invited Lecture (IL)</b>	
<b>12:00-12:20</b>	IL-1: <b>Dr Giridhar Parvatam</b> , CSIR-Central Food Technological Research Institute, Karnataka, India	IL-1: <b>Ms Marcum Lori</b> , Scientist, Corteva Agriscience, The Agriculture Division of DowDupont, USA
<b>12:20-12:40</b>	IL-2: <b>Dr Muralidharan E.M.</b> , Kerala Forest Research Institute, Thrissur, Kerala, India	IL-2: <b>Prof. Vishal Trivedi</b> , Indian Institute of Technology Guwahati, Assam, India
<b>12:40-13:00</b>	IL-3: <b>Dr Sailendra Singh</b> , CSIR- Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh	IL-3: <b>Prof. Biplab Bose</b> , Indian Institute of Technology Guwahati, Assam, India
<b>13:00-13:45</b>	<b>LUNCH BREAK</b>	

PARALLEL SESSIONS 8 & 9		
<b>13:50-16:20</b>	<b>SESSION 8: PLANT-OMICS</b>	<b>SESSION 9: PLANT TISSUE CULTURE AND GENETIC TRANSFORMATION</b>
	Chairperson: <b>Prof. Akhilesh K. Tyagi</b> , University of Delhi - South Campus, Delhi, India	Chairperson: <b>Prof. S.S. Bhojwani</b> , Dayalbagh Educational Institute (DEI), Agra, India
	Co-Chairperson: <b>Prof. Mohammad Anis</b> , Aligarh Muslim University, Uttar Pradesh, India	Co-Chairperson: <b>Prof. Abha Agnihotri</b> , Amity University, Noida, Uttar Pradesh, India
<b>13:50-14:20</b>	<b>Keynote Lecture</b> <b>Prof. Akhilesh K. Tyagi</b> , University of Delhi - South Campus, Delhi, India	<b>Keynote Lecture</b> <b>Prof. Abha Agnihotri</b> , Amity University, Noida, Uttar Pradesh, India
	<b>Invited Lecture (IL)</b>	
<b>14:20-14:40</b>	IL-1: <b>Prof Snehasish Dutta Gupta</b> , Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India	IL-1: <b>Prof. Lingaraj Sahoo</b> , Indian Institute of Technology Guwahati, Assam, India
<b>14:40-15:00</b>	IL-2: <b>Dr Sandip Das</b> , University of Delhi, Delhi, India	IL-2: <b>Dr Chandrama Prakash Upadhyaya</b> , Dr Harisingh Gour Central University, Sagar, Madhya Pradesh, India
<b>15:00-15:20</b>	IL-3: <b>Dr Suneetha C</b> , University of Agricultural Sciences, Bangalore, Karnataka, India	IL-3: <b>Dr Deepak Kumar</b> , Central University of Jammu, Jammu & Kashmir, India
<b>15:20-16:05</b>	<b>Flash Talks</b>	<b>Flash Talk</b>
<b>15:20-15:35</b>	FT-1: <b>Dr Rani Singh</b> , CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, India	FT-1: <b>Dr Punam Kumari</b> , Fakir Mohan University, Balasore, Odisha
<b>15:35-15:50</b>	FT-2: <b>Dr Siva P.K. Chetri</b> , Dimoria College, Khetri, Kamrup (Metro), Assam	FT-2: <b>Dr Pankaj Kumar</b> , CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh, India
<b>15:50-16:05</b>		FT-3: <b>Dr Paras Pandey</b> , ICAR-Indian Institute of Pulses Research, Kanpur, Uttar Pradesh, India
<b>15:20-16:00</b>	<b>Interactive Poster Session- III &amp; IV</b>	
<b>16:00-16:30</b>	<b>TEA BREAK</b>	
<b>16:30-19:05</b>	<b>PTCA-I MEMBERSHIP PRESENTATIONS</b>	
	Chairperson: <b>Prof. Pramod Tandon</b> , CEO, Biotech Park, Lucknow, UP, India	
	Co-Chairperson: <b>Prof. Dinesh Srivastava</b> , Dr. Y S Parmar University of Horticulture and Forestry, Nauni-Solan. India	
<b>16:30-16:45</b>	1- <b>Dr Ajay Kumar Thakur</b> , ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan	
<b>16:50-17:05</b>	2- <b>Dr Anil Kumar Singh</b> , ICAR- Indian Institute of Agricultural Biotechnology (Deemed-to-be-University), Ranchi, Jharkhand	
<b>17:10-17:25</b>	3- <b>Dr Anjanabha Bhattacharya</b> , Mahyco Research Centre, Maharashtra Hybrid Seed Company Pvt. Ltd., Jalna, Maharashtra	
<b>17:30-17:45</b>	4- <b>Dr Narayan Pandhure</b> ,Marathwada University, Aurangabad, Maharashtra	
<b>17:50-18:05</b>	5- <b>Dr Narendran Madhavan Nair</b> , Mahyco Research Centre, Maharashtra Hybrid Seed Company Pvt. Ltd., Jalna, Maharashtra	
<b>18:10-18:25</b>	6- <b>Prof. Patan Shaik Sha Valli Khan</b> , Yogi Vemana University, Kadapa, Andhra Pradesh	
<b>18:30-18:45</b>	7- <b>Dr Pradeep K Agarwal</b> , Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat	
<b>18:50-19:05</b>	8- <b>Dr. Soumendra Kumar Naik</b> , Ravenshaw University, Cuttack, Orissa	
<b>19:10-19:50</b>	<b>POSTER SESSION- II</b>	
<b>19:10-19:50</b>	<b>WORKSHOP - BEST PRACTICES IN RESEARCH PUBLICATIONS</b>	<b>PTCA-I MEETING</b>
<b>20:00- Onwards</b>	<b>DINNER</b>	
<b>DAY 3: FEBRUARY 16, 2019 (SATURDAY)</b>		
<b>PARALLEL SESSIONS 10 &amp; 11</b>		
<b>9:00-10:30</b>	<b>SESSION 10: RECENT ADVANCES IN GENOME EDITING</b>	<b>SESSION 11: COMMERCIAL APPLICATION OF MICROPROPAGATION</b>
	Chairperson: <b>Prof. Vibha Srivastava</b> , University of Arkansas, Fayetteville, USA	Chairperson: <b>Dr Dharam P. Sharma</b> , Group Leader, Dry Creek Laboratories, Hughson, USA
	Co-Chairperson: <b>Prof. Utpal Bora</b> , IIT Guwahati, Assam, India	Co-Chairperson: <b>Dr Narendra M Nair</b> , Mahyco Research Centre, Maharashtra, India
<b>9:00-9:30</b>	<b>Keynote Lecture</b> <b>Prof. Vibha Srivastava</b> , University of Arkansas, Fayetteville, USA	<b>Keynote Lecture</b> <b>Dr Dharam P. Sharma</b> , Group Leader, Dry Creek Laboratories, Hughson, USA
	<b>Invited Lecture (IL)</b>	
<b>9:30-9:50</b>	IL-1: <b>Dr Parul Sharma</b> , Dr Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India	IL-1: <b>Prof. Manju Modgil</b> , Dr Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India
<b>9:50-10:10</b>	IL-2: <b>Dr Ila Mukul Tiwari</b> , ICAR-National Research Centre on Plant Biotechnology, Delhi, India	IL-2: <b>Dr Madhulika Singh</b> , Chhatrapati Shahu Ji Maharaj University, Kanpur, Uttar Pradesh, India
<b>10:10-10:30</b>	IL-3: <b>Dr Kanti Kiran</b> , ICAR-National Research Centre on Plant Biotechnology, Delhi, India	IL-3: <b>Dr Rachana Dinesh</b> , Jai Narain Vyas University, Jodhpur, Rajasthan, India
<b>10:30-11:00</b>	<b>Interactive Poster Session- V &amp; VI</b>	<b>Flash Talk</b>

10:30-10:45		FT-1: <b>Ms Smitha Chandrasekharan</b> , Temasek Lifesciences Laboratory, Singapore
10:45-11:00		FT-2: <b>Mr Vishal Sharma</b> , Dr Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India
<b>11:00-11:30</b>		<b>TEA BREAK</b>
<b>11:00-11:30</b>		<b>POSTER SESSION - III</b>
<b>11:30-13:00</b>		<b>SESSION 12: CONSUMER BIOTECHNOLOGY</b>
	Chairperson: <b>Prof. Sadanand A. Dhekney</b> , University of Wyoming, Wyoming, USA	
	Co-Chairperson: <b>Prof. Pranab Goswami</b> , IIT Guwahati, Assam, India	
<b>11:30-12:00</b>		<b>Keynote Lecture</b> <b>Ms Gayle Suttle</b> , Manager, Microplant Nurseries, Gervais, Oregon, USA
		<b>Invited Lecture (IL)</b>
<b>12:00-12:20</b>	IL-1: <b>Dr Shweta Narasimhan</b> , Manager, HiMedia Laboratories Pvt. Ltd., India	
<b>12:20-12:40</b>	IL-2: <b>Dr Sachin Sharma</b> , Indian Institute of Advanced Research (UIAR), Gandhinagar, Gujrat, India	
<b>12:40-13:00</b>	IL-3: <b>Dr Manisha Thakur</b> , Dr Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India	
<b>13:00-14:00</b>		<b>LUNCH BREAK</b>
<b>14:00-15:30</b>		<b>VALEDICTORY FUNCTION</b>