



6th Swadesh Prem Jagriti Sangosthi- 2014

Global Conference on
Technological Challenges and Human Resources for Climate Smart Horticulture - Issues and
Strategies

28-31 May 2014,
NAU, Navsari, Gujarat

PROGRAMME



Organizers

ASM FOUNDATION, New Delhi
&
NAU, NAVSARI, Gujarat

Collaborators



Jain Irrigation Systems Ltd, Jalgaon, Maharashtra
Confederation of Horticulture Associations of India (CHAI),
New Delhi
Horticultural Society of Gujarat, Navsari, Gujarat



Synergy Organisation



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PROGRAMME

Day 01, Wednesday, 28 th May, 2014		
10:00-13:00	Registration of delegates	
Programme- 1	National Essay Competition: Hall- 1	Co-ordinated by Chairman & Members of Selection Committee
10:00-12:00	National Essay Competition (Elocution Group discussion and Final Selection)	Selected students Co-ordinated by Dr Alka Singh
Programme- 2 11:00-13:00	Inauguration of Horti Expo-2014 and Farmers Interaction	
Programme- 3 14:00-17:00	Inauguration of Swadesh Prem Jagriti Sangosthi (SPJS) -2014 and Global Conference on Technological Challenges and Human Resources for Climate Smart Horticulture- Issues and strategies Convener: Dr S S Mehta, Dr H Sumangla and Dr T R Ahlawat	
	Prayer	
	Welcome address	Mrs Bimla Singh Managing Trustee, ASM Foundation and National Organizing Secretary
	Floral Welcome of Guests	Organizers
	Lighting the Lamp & Tribute to Lt. Amit Singh	Chief Guest , Chairman of the function and other dignitaries
	About the Sangosthi and Global Conference	Dr G Trivedi Chairman, National Organizing Committee
	Conferment of awards Award of Mehta Foundation Memorial ❖ Sh. H S Mehta Award by Mehta Foundation-2014 - Dr Sanjay Singh	Inaugurator, Guests Co-ordinated by Shri S S Mehta
	HSG Awards ➤ Late Dr R P S Ahlawat , Former VC, NAU ➤ Dr A R Pathak , VC, NAU ➤ Dr N L Patel , Dean, ACHF, NAU	Co-ordinated by Dr H P Singh
	Awards of CHAI ❖ Ram Nanadan Babu Award-2014 - Dr S S Mehta ❖ Padma Bhushan Dr R S Paroda-2014 - Dr Nazeer Ahmed ❖ Dr Padma Shree Dr B. H. Jain Award - Dr N L Patel ❖ Lifetime Achievement awards of CHAI-2014 - Dr H P Singh	Co-ordinated by Dr H P Singh

	ASM Foundation Awards	Chief Guest
	About Gandhian Thoughts in the modern education	Ms Vandana Suley Gandhi Foundation
	Awards of Essay Competition	Co-ordinated by Mrs Neeta Singh
	❖ Amit Padama Jagriti Award - Shri Sharad L Patel ❖ Amit Prabudh Manishi Award - Prof D P Ray ❖ Amit Krishi Rishi Award - Dr H P Singh	Co-ordinated by Dr Babita Singh
	Address by Guests of Honour ➤ Dr N K Krishna Kumar , DDG (Hort.) ICAR ➤ Dr A K Srivastava , Director, NDRI, Karnal ➤ Shri R C Patel , Chief whip, Legislative Assembly, Govt. of Gujarat ➤ Shri Kantibhai Gamit , State Minister Tribal Welfare, Govt. of Gujarat	
	Release of Publications	Chief Guest and Dignitaries
	Inaugural Address by Chief Guest	Shri Mangubhai Patel , Deputy Speaker, Govt. of Gujarat
	Presidential Address	Dr A R Pathak , VC, NAU
	Felicitation of the Guests	Organizers
	Vote of Thanks	Dr P Rethinam , Ex. Executive Director, APCC and Chairman CDB
17:00-17:30	High Tea	
Programme- 4 17:30-19:30	Evening Plenary Lecture	
	Chairperson - Dr H P Singh , Former DDG (Hort) and Founder Chairman, CHAI Co- Chairperson - Dr N L Patel , Dean, ACHF, Navsari Convener - Dr Babita Singh , Prof. Hort., Amity University Dr Alka Singh , Assoc. Prof. Hort., ACHF, NAU	
	Plenary lectures 1. Approaches for Integration of Fruits and Dairy Products for Improving health - Dr A K Srivastava , Director, NDRI, Karnal 2. Technological Challenges to address the future needs - Dr N K Krishna Kumar , DDG (Hort.) ICAR 3. GM Crops: Popular Misconceptions - Prof I S Dua , FLS London, Prof. Emeritus, Plant Molecular Biology	
Programme- 5 19:30-21:00	Cultural Programme	Students of NAU: Co-ordinated by Dr B V Padhiar
21:00-22:00	Welcome Dinner	

Programme- 6		TECHNICAL PROGRAMME	
Day 02, Thursday, 29 th May, 2014		HALL- 1	
09:00-11:00	TECHNICAL SESSION -1 National and international scenario of horticulture research and development		
	Chairperson- Dr K A Lawande , VC, BSKKV, Dapoli Co-Chairperson- Dr S K Malhotra , ADG (Hort.), ICAR Dr K B Patil , Vice President, JISL, Jalgaon Convener- Dr Kanwar Pal Singh , FLS, IARI Dr T R Ahlawat , ACHF, NAU, Keynote Lectures 1. Status and Scenario of Horticulture – Dr N L Patel , Dean, ACHF, NAU 2. Technological challenges in adoption of GAP in litchi – Dr Rajesh Kumar 3. Scope of Horticulture in East Africa- Dr K P Kikani Oral Papers: 1. Research and development of underutilized fruit crops in assuring food and nutritional security to meet climate uncertainty and new socio-economic scenarios with a focus on dryland areas of Karnataka- Dr S I Athani 2. Scenario of vegetable production in eastern India- Dr Arun Kumar Singh 3. Prospects and Constraints in Date palm Cultivation under hot arid region- Dr R S Singh 4. Scope and Prospects of Eco friendly Production of Tuber Crops under Konkan Coastal Zone of Maharashtra- Dr N V Mhaskar 5. Horticulture can be smart in Asia: Potential, challenges and global position- Dr Alpesh Leua		
11:00-13:00	TECHNICAL SESSIONS -2 Current technology for designer crops for climate smart horticulture		
	Chairperson- Dr A R Pathak , Vice Chancellor, NAU Co-Chairperson- Dr K B Kathiria , Director of Research, AAU, Anand Dr Nirmal Babu , Project Coordinator (Spices) IISR Convener- Dr Vipul Parekh , ACHF, NAU Dr Ritu Jain , IARI, New Delhi Keynote Lectures 1. Biotechnological Approaches for designer crops- Dr S K Chakraborty , Director, CTCRI 2. Technological challenges for harnessing the Potential hybrids in Vegetables to achieve smart horticulture- Dr B Singh , PC, IIVR, Varanasi 3. Improvement in Arid and Semi Arid Fruit Crops for Climate Smart Horticulture- Dr Sanjay Singh , Head, CHES, Godhara 4. Genetic improvement of horticultural crop for climate smart horticulture- Dr K B Kathiria 5. Genetic diversity in mango (<i>Mangifera spp.</i>) Dr B V Padhiar 6. Genetic diversity and resource management of horticultural crops in Saurashtra region- Dr D K Varu Oral Papers: 1. Physical characteristics and nutritional content of indigenous underutilized Sohing, <i>Prunus nepalensis</i> - Dr H Rymbai 2. A new high yielding variety of tomato developed by AICRP (VC)– Dr T Chaubey 3. Evaluation of bael varieties for fruit characters under rainfed hot semi-arid environment of western India- Dr A K Singh		
13:00-14:00	Lunch Break		

14:00-16:00	TECHNICAL SESSIONS -3 Dynamics of nutrients management and microbe
	<p>Chairperson- Dr P Rethinam, Former Executive Director, APCC and Chairman, CDB Co-Chairperson- Dr D J Patel, Former Dean, BACA, AAU, Anand. Dr Manoj Kumar, Head , CPRI Convener- Dr Rajesh Kumar, NRC on Litchi Dr Lalit Mahatma, NMCA , Navsari</p> <p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Indigenous Technologies: A ray of Hope for mitigating soil, water, environmental crisis and sustainable horticulture- Prof R K Pathak 2. Technological Challenges for soil fertility management in horticultural crops- Dr Anoop K Srivastava 3. Bio- inoculants for climate smart horticulture- Dr A N Sabalpara 4. Organic farming for climate smart horticulture- Dr B N Kolambe <p>Oral Papers:</p> <ol style="list-style-type: none"> 1. Effect of Organic Manures, Nitrogen and Phosphorous on Growth of Okra (<i>Abelmoschus esculentus</i> L. Moench)- Dr V I Joshi 2. Integrated Nutrient Management for Optimization of Nutrient Requirement in Calendula (<i>Calendula officinalis</i> L.) Under Valley Condition of Garhwal Himalayas- Dr Bapi Tudu 3. Response of integration to nutrient sources on the growth, fruit yield and quality parameters of Kinnow in hot arid conditions of western Rajasthan- Dr B D Sharma 4. Effect of Integrated Nutrient Management Practices on Growth and Flower Yield of China Aster- Dr K P S Kirar 5. Optimization of Nitrogen Dose for Newly Released High Yielding Potato Cultivar Kufri Khyati- Dr Dhruv Kumar 6. Seaweed Sap as an Alternative Liquid Fertilizer for Yield Improvement of Potato- Dr Asha Prajapati 7. Estimation of K concentration in oil palm (<i>Elaeis guinensis</i>) leaf tissue by simple and inexpensive water extraction method- Dr S K Behera
16:00-18:00	TECHNICAL SESSIONS -4 Adoption and mitigation strategies to climate change
	<p>Chairperson- Dr R K Pathak, Former Director, CISH, Lucknow Co-Chairperson- Dr A K Singh, Project Director, Kanpur Dr James George, PC, Tuber Crops, Trivendrum Convener- Dr D B Jadeja, Principal, College of Forestry, NAU Dr H P Sumangla, IIHR, Bangalore</p> <p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Development Strategies for Climate Smart Horticulture. - Dr S K Malhotra, ADG (Hort.) ICAR, 2. Technological challenges for Climate smart production of tuber crops- Dr James George 3. Software solutions for smart Horticulture under climate change scenario in Gujarat- Prof M C Varshneya 4. Horticulture based agroforestry Systems for Climate smart Horticulture –Dr D B Jadeja 5. Climate Smart Floriculture in India-Issues and Strategies- Dr S L Chawla 6. Carbon Sequestration through climate smart horticulture- Dr M B Tandel <p>Oral Papers:</p> <ol style="list-style-type: none"> 1. Performance of Climate Smart Chrysanthemum Variety Pusa Anmol under different Colored Shade nets -Dr K V Prasad 2. Microbe Mediated Mitigation of Remediation of Heavy Metal Pollutants- Dr Renu 3. Impact Of Climate Change On Production And Quality Of Fruits- Dr M S Geetha Shetty 4. Challenge of Climate Change Specially Temperature and Radiation on Flowering, Growth and Yield of Mango- Prof M C Varshneya

	<p>5. Introduction of Potato Varieties as Livelihood Alternatives for Sustainable Agro-ecosystem- Dr N Basavaraja</p> <p>6. Impact of Planting Windows on Production and Economics of Potato Under Climate Change Scenario – Dr S P Singh</p>
18:30-20:30	<p>Annual General Council Meeting CHAI (As per the agenda)</p> <p>Chief guest- Dr C D Mayee, Former Chairman, ASRB</p> <p>Chairperson- Dr H P Singh, Founder chairman, CHAI</p> <p>Guest of Honour- Dr A R Pathak, VC, NAU, Navsari</p> <p>Convenor- Dr N L Patel, Dean ACHF, NAU, Navsari</p> <p>1. Welcome- Dr N L Patel</p> <p>2. Remarks of founder chairman (progress report)- Dr H P Singh</p> <p>3. Conferment of fellowship and awards (chief patron and chief guest- Dr C D Mayee and other dignitaries)</p> <p>4. Remarks of Dr A R Pathak</p> <p>5. Remarks of President of other units of CHAI</p> <p>6. Any matter with the permission of chair</p> <p>7. Vote of thanks- Dr Alka Singh</p>
Day 02, Thursday, 29th May, 2014	
HALL- 2	
09:00-11:00	<p>TECHNICAL SESSIONS -5</p> <p>Biotechnology, Nanotechnology and Bioinformatics in Horticulture</p>
	<p>Chairperson- Dr N K Krishna Kumar, DDG (Hort.) ICAR</p> <p>Co-Chairperson- Dr D K Sharma, Director, SSRI, Karnal</p> <p>Dr V Kumar, Res. Scientist, Cotton Research, NAU, Surat</p> <p>Convener- Dr Sanjay Jha, Assoc. Professor, GABI, Surat , NAU</p> <p>Dr Amrendra Kumar , NRC on Litchi</p> <p>Keynote Lectures</p> <p>1. Molecular Breeding as a Tool to Meet The Challenges of Climate Change- Dr A R Pathak, VC, NAU</p> <p>2. Technological Challenges for Biotechnological approaches in a smart horticulture- Dr Major Singh, IIVR</p> <p>3. Biotechnological approaches for improvement in vegetable- Dr Vipul Parekh</p> <p>4. Nano science and its application in horticulture – Dr N Subash</p> <p>5. Application of Bio-Informatics in Climate Smart Horticulture- Dr Hetalkumar Panchal</p> <p>Oral Papers:</p> <p>1. Studies of New Indian Papaya (<i>Carica papaya</i> L.) Germplasm Using Morphological and Molecular Markers- Dr Ishwar Singh Solanki</p> <p>2. Modification of Floral architecture: ABC model and innovative approaches through molecular biology- Dr P Kumar</p> <p>3. Molecular Identification of Aphid Species Infesting Potato from Northern and North-Eastern regions of India using Cytochrome Oxidase I (COI) specific primers- Dr J Sridhar</p> <p>4. Identification and Characterization of Microsatellites in Expressed Sequence Tags (Ests) of <i>Rosa</i> species-Dr Sapna Panwar</p> <p>5. Effective utilization of in vitro plantlets for the production of potato mini-tubers- Dr Ashwani Kumar Sharma</p>
11:00-13:00	<p>TECHNICAL SESSIONS -6</p> <p>Water needs for crop production and tools for enhancing the efficiency.</p>
	<p>Chairperson- Dr G Trivedi, Former, VC, RAU and Chairman ASM foundation</p> <p>Co-Chairperson- Dr S Arulraj, Directorate of Oil Palm, AP</p> <p>Dr R G Patil, Research Scientist, SWMRU, NAU , Navsari</p> <p>Convener- Dr P K Gupta, NHRDF, Nashik</p> <p>Dr Awani Kumar Singh, CPCT, IARI</p>

	<p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Technological challenges for efficient use of water in a smart horticulture Water management ion horticultural crops- Dr S Raman 2. Management of water quality and water use efficiency for enhancing productivity of horticultural products – Dr R G Patil 3. Approaches for Smart Horticulture - All Expertise from JISL Jalgaon- Dr K B Patil 4. Smart Horticulture through watershed management- Dr P K Srivastava 5. Oil Palm requires more water and fertilizers- myth or reality- Dr S Arulraj <p>Oral Paper:</p> <ol style="list-style-type: none"> 1. Influence of Different Levels of Fertigation on Growth, Yield, Quality and Economics of Processing Tomato (<i>Solanum lycopersicum</i> L.) Genotypes- Dr S J Imamsaheb
13:00-14:00	Lunch Break
14:00-16:00	<p>TECHNICAL SESSIONS -7</p> <p>Challenges to production technology of horticultural crops.</p>
	<p>Chairperson- Dr Nazeer Ahmad, Director, CITH, Srinagar Co-Chairperson- Dr Prabhu Lenka, Ex Head, OUAT , Bhubneshwar Dr S Rajan, Head, CISH, Lucknow Convener- Dr B V Padhiar, Prof. and Head (Fruit Sci.), ACHF, NAU Dr Sandeep Srivastava, NRC on Litchi, Muzzafarpur, Bihar</p> <p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Technological challenges for Climate smart production of oil palm- Dr P Rethinam 2. Technological Challenges for production management of litchi in changing environment.- Dr Vishal Nath 3. Technological challenges for production and utilisation of Spices.- Dr Nirmal Babu 4. Innovation in technology to address the challenges in date pal- Dr C M Murlidharan 5. Resource management in Horti-silvi pastoral systems- Dr S S Hiwale <p>Oral Papers:</p> <ol style="list-style-type: none"> 1. Effect of foliar application of chemicals on yield and quality of sapota cv. Kalipatti- Dr D K Sharma 2. Efficacy of NAA and mulching on fruit drop of mango (<i>mengifera indica</i> l.) Cv. Kesar in arid and semi-arid ecosystem- Dr Raj Kumar 3. Impact of weed management practices on onion production- Dr Udit Kumar 4. Controlled release formulation of paclobutazol for dwarf plant architecture and productivity enhancement in potato under heat stress- Dr Devendra Kumar 5. Root morphology in relation to nitrogen use efficiency in potato cultivars- Dr Manoj Kumar 6. Effect of different plastic mulch on mother and daughter bulb of tuberose under drip irrigation- Dr S S Sindhu 7. Evaluation of Potting Mixtures for Propagation of Quality Planting Material in Litchi- Dr Amrendra Kumar 8. Propagation of planting materials of Liliium through scale in Northern plains- Dr M K Singh 9. Spices propagation: Challenges and opportunities to meet changing climate- Dr M Anandraj
16:00-18:00	<p>TECHNICAL SESSIONS -8</p> <p>Challenges to modern approaches in production technology.</p>
	<p>Chairperson- Dr Vishal Nath, Director, NRC on Litchi Co-Chairperson- Dr M K Arvadia, Dean, NMCA. NAU Dr I S Solanki, Pusa, Bihar Convener- Dr H C Patel, Professor, BACA, NAU, Navsari Dr S N Saravaiya, Assoc. Professor, ACHF, NAU</p> <p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Plant architecture and its management in temperate fruits- Dr Nazeer Ahmad, Director, CITH, Kashmir 2. Agricultural Engineering interventions for Climate Smart Horticulture- Dr N C Patel, VC, JAU

	<p>3. Climate smart off season mango production- Dr Shailendra Rajan, CISH, Lucknow</p> <p>4. Protected cultivation future technology for vegetable crops- Dr S N Saravaiya</p> <p>5. Plant architectural engineering and canopy management in tropical fruits- Dr B N Patel</p> <p>6. Challenges for Climate smart production of Banana- Dr S Uma</p> <p>7. Status of Protected cultivation in Gujarat- Dr B R Shah, Director, Horticulture, Gandhinagar</p> <p>Oral Papers:</p> <p>1. Technological challenges for targeted production of vegetables in smart horticulture- Dr B Singh</p> <p>2. Prospect of protected cultivation under the hot and humid tropical conditions of Odisha- Dr A K Shukla</p> <p>3. Significance of seed priming techniques in vegetables and spices- Hetal Rathod</p> <p>4. Protected cultivation technologies for biotic and abiotic stress management in vegetables- Dr Vandana Yadav</p> <p>5. An integrated approach for cymbidium production in protected condition- Dr D Barman</p> <p>6. Influence of foliar application of salicylic acid and humic acid on quality of mango cv. Kesari- C R Ngunlie</p>
Day 02, Thursday, 29th May, 2014,	
HALL- 3	
09:00-11:00	TECHNICAL SESSIONS -14 Technology transfer and innovations in adoption
	<p>Chairperson- Dr S Sivaramakrishna, Trichy</p> <p>Co-Chairperson- Dr Arun Kumar Singh, Head, CHES, Ranchi Dr M R Hegde, Chairman, RMCU, IIHR</p> <p>Convener- Dr R D Pandya, Prof. Extension Edu, NMCA Dr Abha Singh, Bhubaneswar, Orissa.</p> <p>Keynote Lectures</p> <p>1. Technological challenges for efficient diffusion and dissemination of Technology- Dr M R Hegde</p> <p>2. Strategic dissemination of technology for Climate Resilient Horticulture- Dr A K Singh, Project Director, Kanpur</p> <p>3. Eradication of Poverty through Floriculture in the era of changing needs of the nation- Dr A V Barad</p> <p>4. Technology transfer for smart horticulture : New Approaches- Dr R D Pandya</p> <p>5. Role of KVKs in climate smart horticulture- Dr C K Timbadia</p> <p>Oral Papers:</p> <p>1. Integrated Development through KVK in Panchmahal District- Dr Kanak Lata</p> <p>2. A success story of Liliun cultivation in changing high altitude climatic conditions- Dr M K Singh</p> <p>3. Affecting factors and measures for food Security at Micro level- Dr Sabita Mishra</p> <p>4. Integrated ICT as a tool for horticultural development- Roshni Agnihotri</p>
11:00-13:00	TECHNICAL SESSIONS -10 Technology for biotic stress management and challenges (Pests).
	<p>Chairperson- Dr K K Kumar, Ex Director , NRC on Litchi</p> <p>Co-Chairperson- Dr Z P Patel, Principal, Agriculture College, Waghai Dr G G Radadiya, Professor (Entomology), NAU</p> <p>Convener- Dr R K Patel, NRC on Litchi, Muzzafarpur, Bihar Dr H V Pandya, Associate Professor (Entomology), ACHF, NAU</p> <p>Keynote Lectures</p> <p>1. Insect and pest management for Climate Smart horticulture – Dr Z P Patel</p> <p>Oral Papers</p> <p>1. Crop diversification: for sustainable insect pest management in vegetables- Dr R K Sharma</p> <p>2. Management of yellow mite, <i>Polyphagotarsonemus latus</i> Banks and thrips, <i>Thrips palmi</i> Karny</p>

	<p>in potato- Dr Anuj Bhatnagar</p> <p>3. Life History Parameters of Melon Fruit Fly, <i>Bactrocera cucurbitae</i> (Diptera: Tephritidae) reared on liquid and Fruit-based Diets.- Dr Kirti Sharma</p> <p>4. Population Dynamics of <i>Helicoverpa armigera</i> Through Pheromone Trap in Tomato- Dr H V Pandya</p> <p>5. Population dynamics of fruit flies in relation to abiotic factors in South Gujarat region of India- Dr J K Bana</p> <p>6. Role of biorationals and green chemistries in fruit and vegetable production under changing climate- A Paradigm shift- Dr J B Gopali</p> <p>7. Seasonal incidence of Tetranychusurticae (Koch.) on rose under polyhouse conditions- Dr K A Patel</p>
13:00-14:00	Lunch Break
14:00-16:00	TECHNICAL SESSIONS -11 Technology for abiotic stress management and challenges.
	<p>Chairperson- Dr D P Ray, Former VC, YUOT</p> <p>Co-Chairperson- Dr A V Barad, Dean College of Agr. AAU Dr K G Patel, Principal, Agriculture College, Waghai</p> <p>Convener Dr B N K Kolambe, Former professor, dept. of Agril. Chem and Soil Science Dr K G Patel, Assoc. professor (Soil Sci.), ACHF, NAU</p> <p>Keynote Lectures</p> <p>1. Fruit cultivation in salibne and sodic soils towards a sustainable future- Dr D K Sharma</p> <p>2. Technological challenges for managing abiotic stress for Climate smart horticulture- Dr S K Ambast, PC, AICRP and PS, CSSRI, Karnal</p> <p>3. Iron deficiency in soils and its impact on the plants and human health- Dr Prakash Kumar</p> <p>Oral Papers:</p> <p>1. Fruit Deformity A New Physiological Disorder in Papaya: Field Screening, Nutrient Composition And Amelioration by Boron Application- Dr P L Saran</p> <p>2. Fruit cracking: A problem associated with fruit crops- A P Gonge</p> <p>3. Influence of foliar application of micronutrients on tomato cv. Gujarat Tomato 2- Dr S N Saravaiya</p> <p>4. Effect of foliar spray of water soluble nutrients on growth and flowering in cashew cv. Vengurla- R C Gajbhiye</p> <p>5. Response of vegetables to micro nutrients application- G S Tekale</p>
16:00-18:00	TECHNICAL SESSIONS -12 Innovation in shelf life enhancement ,value addition and marketing
	<p>Chairperson- Dr G Trivedi, Former, VC, RAU</p> <p>Co-Chairperson- Dr C K Narayana, Head, PHT, IIHR Dr Sanjay Singh, Head, CHES, Godhra</p> <p>Convener- Dr B D Sharma, NRC on Arid Horticulture, Bikaner Dr Dev Raj, Assoc., Professor, PHT, ACHF,NAU</p> <p>Keynote Lectures</p> <p>1. Health care and wealth creation by medicinal uses of horticultural crops- Dr M U Kukadia</p> <p>2. Technological challenges in postharvest management of horticultural crops - Dr C K Narayan</p> <p>3. Bamboos For Landscape, Resource Conservation And Livelihood Security- Dr Salil Tewari</p> <p>4. Potato An Option For Food And Nutritional Security- Dr B P Singh</p> <p>5. Total factor productivity and sources of growth in Horticulture crops in South region- A case study of banana-Dr Narendra Singh</p> <p>6. Status, Problems and Strategies for Marketing of Horticultural Produce- Dr Ruchira Shukla</p> <p>7. Fruits Based Milk And Whey Beverages For Better Nutrition –Dr A K Singh</p> <p>8. Effect of packaging material and storage temperature on shelf life of loose flowers of tuberose- Dr Kanwar P Singh</p>

	<p>Oral Papers</p> <ol style="list-style-type: none"> 1. Commercialization of custard apple pulp extraction technology- Dr R A Kaushik 2. Enhancing the storage life of pear with post-harvest application of calcium- Dr S K Jawandha 3. Quality Analysis Of Osmodehydrated Plum Fruits During Storage- Dr S S Kundu 4. Antioxidative Potential of Indian Potato Cultivars Differing in Keeping Quality- Dr Pinky Raigond 5. Utilization of orange fleshed sweet potato for the management of malnutrition among infants- Dr Abha Singh 6. Super Critical Carbon Dioxide Extraction of Essential Oil from Ginger- Dr R V Prasad 7. Influence of packing materials and storage temperature on shelf life of looses flowers of tuberose –Dr Kanwar P Singh
Day 03, Friday, 30th May, 2014	
HALL- 3	
09:00-12:00	TECHNICAL SESSIONS -13
	Urban and Peri-urban horticulture as an option for mitigation and adoption to climate change
	<p>Chairperson- Dr N L Patel, Dean, ACHF</p> <p>Co-Chairperson- Robert Fernandes, Raheja Group, Mumbai Satyendra Kumar Gutgutiya, Florence Flora</p> <p>Convener- Dr H P Sumangala, IIHR Dr Kishan Swaroop, FLS , IARI</p> <p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Climate Smart Floriculture – Landscape Services – Dr T Janakiram, ADG (Hort.) ICAR 2. Landscape gardening for environmental services- Dr H P Sumangla 3. Interior Greenscaping for Climate Smart Living- Dr T R Ahlawat 4. TREES: The Green Smart Technology For Urban Life- Dr Alka Singh 5. Effective International green practices for landscape horticulture in India- Robert Fernandes 6. Prospects of Protected Cultivation Technology for Peri -Urban Horticulture - Dr Awani Kumar Singh, CPCT, IARI 7. Gladiolus hybrids for Climate Change- Dr Kishan Swaroop, PS, FLS, IARI 8. Dwarf Bougainvillea for Peri-urban Landscaping- Dr Ritu Jain, SS, FLS, IARI 9. Prospects of protected cultivation technology for peri-urban horticulture- Dr Awani Kumar Singh <p>Oral Papers:</p> <ol style="list-style-type: none"> 1. Reed Beds for waste water management in Urban Peri-urban Landscaping- B D Mangave
Day 03, Saturday, 30th May, 2014,	
HALL- 2	
09:00-11:00	TECHNICAL SESSIONS -9
	Technology of biotic stress management and challenges (diseases).
	<p>Chairperson- Dr Anandraj, Director, IISR</p> <p>Co-Chairperson- Dr A N Sabalpara, Director of Research, NAU, Navsari Dr B N Patel, ADR, NAU, Navsari</p> <p>Convener- Dr Thangavelu, NRC on Banana, Trichy Dr P R Patel, Assoc. Professor (Plant Pathology), ACHF, NAU</p> <p>Keynote Lectures</p> <ol style="list-style-type: none"> 1. Decline of health status of mandarin plants in Darjeeling hills following biotic and abiotic stresses and utilization of bioinoculants for their management- B N Chakraborty 2. Management of phytonematodes through soil fumigants in protected cultivation- Dr D J Patel 3. Invasive and emerging diseases- a challenge for smart horticulture- Dr P Chowdappa 4. Detection and management of diseases of cut flowers through anti-microbial peptide producers under protected cultivation- Dr S Nakkeeran 5. Technological challenges for the management of soil born diseases Horticultural Crops- Dr Anandraj, Director, IISR

	<p>6. Integrated Disease Management for Climate Smart Horticulture- Dr P R Patel</p> <p>7. Arbuscular Mycorrhizal Fungi : Significance of the Diversity and its Importance in Plant Growth Promotion- Dr Suvigya Sharma</p> <p>Oral Papers:</p> <p>1. Evaluation of the PII 405 (15% EC) against diseases of cumin- Dr B S Rathore</p> <p>2. Climate change impact on potato late blight outbreak in western Uttar Pradesh and Punjab- Dr V K Dua</p> <p>3. Prevalence and current status of mango diseases in Odisha - Dr G Sangeetha</p> <p>4. Effect of apple leaf litter microflora on the pseudothecial development and in biological suppression of <i>Venturia inaequalis</i> causing apple scab- Dr A K Gupta</p> <p>5. Disease Management in Organic System of Production of Horticultural crops- Dr S J Kolte</p> <p>6. Serological and Molecular based detection of <i>Potato virus Y</i> (PVY) strains infecting potato in India- Dr Baswaraj Raigond</p>
Day 03, Saturday, 30th May, 2014, HALL- 1	
09:00-12:00	TECHNICAL SESSIONS -15 Human resource development for climate smart horticulture
	<p>Chairperson- Dr C D Mayee, Former Chairman, ASRB</p> <p>Co-Chairperson- Dr A M Bafna, Dean, AUIABM Dr R M Patel, OSD, GABI, NAU</p> <p>Convener- Dr Anoop K Srivastava, PS (Soil Science), NRC Citrus Dr Mehul Thakkar, Assoc. Prof. (HRD), AIABM</p> <p>Keynote Lectures</p> <p>1. Changing needs of human resources for smart horticulture- Dr C D Mayee, Former Chairman, ASRB</p> <p>2. Reorientation of Human resource development for a smart horticulture –Dr Babita Singh, Prof. Horticulture, Amity University</p> <p>3. Human Resource management in Britain- Dr Chirdeep Pandya</p>
Day 03, Saturday, 30th May, 2014 AUDITORIUM	
09:00-12:00	TECHNICAL SESSIONS -16 Open sessions – Farmers Interaction
	<p>Chairperson: Dr G Trivedi, Vice chairman ASM foundation</p> <p>Co-Chairperson- Dr S S Mehta, AIAGA, Salem Dr B R Shah, Director Horticulture Dr A K Singh, Zonal Project Director, Kanpur</p> <p>Convener- Dr R V Tank, Assoc. Prof., ACHF, NAU Dr B M Tandel, KVK, Navsari</p> <p>Keynote Lectures</p> <p>1. Introduction to the subject of a smart horticulture- Dr B N Kolambe, NAU, Navsari</p> <p>2. Innovation of JISL for enhancing the farm profitability- Dr K B Patil, Vice President, JISL</p>
12:00-13:00	<p>Programme 7 Farmers Quiz</p> <p>Co-ordinated by Mr Santosh Deshmukh, JISL, Jalgaon Dr B N Patel, NAU, Navsari</p>
14:00-15:00	<p>Programme 8 Mango eating Competition ASPEE College of Horticulture and Forestry, Navsari</p> <p>Co-ordinated by Dr K B Patil</p>

Programme 9 Plenary Session and Award Function		AUDITORIUM
15:00-17:30	<p>Chief Guest: Shri Babubhai Bokhiria, Honorable Minister of Agriculture, Gujarat state</p> <p>Guests of Honour: Shri Govindbhai Patel, State Agriculture Minister, Government of Gujarat Dr C D Mayee, Former Chairman, ASRB</p>	
	<p>Welcome: About the Conference and adoption of recommendations:</p> <p>Conferment of Uday ratna- Address of Guest of Honour-</p> <p>Award of best papers and poster papers Address of the Organising Secretary- Presidential Address of Chairman: Plenary Address: Chief Guest-</p> <p>Felicitation of the guests- Vote of Thanks-</p>	<p>Dr N L Patel Dr H P Singh, Former DDG (Hort) and Founder Chairman CHAI</p> <p>Chief Guest Shri Govindbhai Patel, State Agriculture Minister, Government of Gujarat Dr C D Mayee, Former Chairman, ASRB</p> <p>Mrs Bimla Singh, Managing Trustee ASM Foundation Dr A R Pathak, VC, NAU, Navsari Shri Babubhai Bokhiria Honorable Minister of Agriculture, Gujarat state Organizers Dr T R Ahlawat and Dr Alka Singh</p>
17:30-18:00	Tea Break	
18.00-19.00	Annual General Body meeting, ISOH	
19.00- 20.30	Programme 10 Appreciation meeting	
20.30-22.00	Programme 11 Preet Bhoj	
Day 04, Sunday, 31st May, 2014		
	Post Conference Tour and Field Visit – Interested participants may register for field visits	