

Programme Schedule

9th Asian Cotton Research & Development Network (ACRDN) Meeting & International Conference

(December 06-08, 2023)

Day 1 (December 06, 2023)

Inaugural Session *(Venue: Pandal)*

| Time (9:30 - 11:30 am) | Events |
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| 9:30 am | Arrival of the Hon'ble Vice-President of India at ICAR-CIRCOT, Mumbai |
| 9:32 am | Plantation of sapling by the Hon'ble Vice-President of India |
| 9:36 am | Inauguration of ICAR-CIRCOT Pre-grooved Leather Roller Technology |
| 9:38 am | Laying of foundation stone of ICAR-CIRCOT Centenary Gate |
| 9:40 am | Lighting of Lamp, National Anthem and ICAR song |
| 9:45 am | Welcome speech by Dr. Himanshu Pathak, Secretary (DARE) & DG (ICAR), New Delhi |
| 9:50 am | Speech by Shri Eknath Shinde, Hon'ble Chief Minister of Maharashtra |
| 9:55 am | Speech by Shri Narendra Singh Tomar, Hon'ble Union Minister of Agriculture and Farmers Welfare, Govt. of India |
| 10:00 am | Speech by Shri Ramesh Bais, Hon'ble Governor of Maharashtra |
| 10:05 am | Release of Significant Publications (By Hon'ble Vice-President of India) <ol style="list-style-type: none"> 1. A Century of Research at CIRCOT 2. Booklet on ICAR-CIRCOT Promising Technologies 3. Souvenir of 9th ACRDN Meeting & International Conference and ICAR-CIRCOT Centenary 4. Book of Abstracts-9th ACRDN Meeting & International Conference |
| 10:10 am | Distribution of Awards (By Hon'ble Vice-President of India) <ol style="list-style-type: none"> 1. Best ICAR-CIRCOT Startup Award 2. Best Industrial Collaborator Award 3. Best Cotton Farmer Award 4. Suresh Kotak Global Outstanding Cotton Scientist Award (ISCI) 5. Cotton Man of India Award 6. Krishi Maharshi Samman 7. ICRA-Asia Young Scientist Innovation Medal - 2023 |
| 10:15 am | Felicitation of the Dignitaries |
| 10:20 am | Address by the Hon'ble Vice-President of India |
| 10:59 am | National Anthem |
| 11:00 am | Departure of the Hon'ble Vice-President of India |
| <i>Coffee Break: 11:00 am- 11:30 am</i> | |

| Plenary Session I | | |
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| Venue: Jubilee Hall, CIRCOT, Mumbai | | Time: 11:30 am - 1:30 pm |
| Chair: Dr. Himanshu Pathak, Secretary (DARE) & DG (ICAR), New Delhi | Co-Chair: Mr. Eric Trachtenberg, Executive Director, ICAC, Washington, DC, USA | Rapporteur: Dr. R. Raja, PS, ICAR-CICR, Coimbatore |
| Plenary Lecture | Speaker | |
| Integrated approach to improve and sustain cotton production system | Dr. Michael Bange, Commercial Research Manager, CSDL, Australia | |
| Mechanization of Cotton Cultivation in India: Issues and Prospects | Dr. S.N. Jha, DDG (Agril. Engg.), ICAR, New Delhi | |
| Research and Policy imperatives for adaptation to climate change in cotton and other field crops – Learnings from NICRA | Dr. S. K. Chaudhari, DDG (NRM), ICAR, New Delhi | |
| Lunch Break: 1:30 pm – 2:30 pm | | |
| Award function, Release of Publications (2.30-3.00 pm) | | |
| Venue: Pandal 2.30 – 3.00 pm | Chief Guest: Dr. Himanshu Pathak, Secretary (DARE) & DG (ICAR), New Delhi | |
| | Guests of Honour: Dr. S. N. Jha, DDG (Agril. Engg.), ICAR Dr. S. K. Chaudhari, DDG (NRM), ICAR Presided over by: Dr. C. D. Mayee, Former Chairman, ASRB & President, ISCI ISCI & ICAR-CIRCOT Awards in the hands of DG, ICAR | |
| Concurrent Sessions, I – V (Oral presentation) | | |
| Concurrent Session – I | | Theme: Advances in Cotton Genetic Improvement, Molecular Biology, Biotechnology and Genomics |
| Venue: Jubilee Hall | | Time: 3.00 – 6.00 pm [Coffee Break after 5 Presentations] |
| Chair: Dr. P.K. Chakrabarty, Former Member, ASRB, New Delhi | Co-Chair: Dr. B. M. Khadi Former Dean, UAS, Dharwad | Rapporteur: Dr. K. P. Raghavendra, Sr. Scientist, CICR, Nagpur |
| S. No. | Title | |
| 1 | Suraksha, a versatile superior long staple American cotton variety for Indian farmers <i>S. Manickam*</i> , <i>J. W. Raja</i> , <i>R. Senthilkumar</i> | |
| 2 | The studies of long fiber cotton (<i>Gossypium hirsutum</i> L.) breeding in Aegean region <i>N. ÖZKAN*</i> | |
| 3 | Bangladesh's Regulatory Approval: The Adoption of Bt Cotton <i>Md. K. Islam*</i> | |
| 4 | Naturally Coloured Cotton Varieties: derivatives of wild species of <i>Gossypium</i> in India <i>V. Gotmare*</i> , <i>K. R. Kranthi</i> , <i>Y. G. Prasad</i> | |
| 5 | Genome-wide characterization of chromosome-specific highly variable SSR markers for marker assisted cotton improvement <i>K. P. Raghavendra*</i> , <i>R. Satpute</i> , <i>E. Raghu</i> , <i>P. G. Patil</i> , <i>H. B. Santosh</i> , <i>R. Phuke</i> , <i>Y. G. Prasad</i> | |
| 6 | Comparative proteomic analysis of cotton leaf hopper (<i>Amrasca biguttula biguttula</i> (Ishida)) resistance in upland cotton <i>M. Alagarsamy*</i> , <i>T. C. Amal</i> , <i>S. Karuppan</i> | |
| 7 | Exploration of biochemical host plant resistance traits to identify potential transgressive recombinant inbred lines for jassid resistance in cotton (<i>Gossypium hirsutum</i> L.) | |

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| | <i>B. K. Rajkumar*, P. R. Parmar, D. H. Patel, H. R. Desai., H. R. Ramani., R. D. Patel, M. C. Patel</i> | | |
| 8 | <i>Variability studies in American cotton (Gossypium hirsutum L.) V. Manubhai*, Govindbhai, P. A. Mansukhbhai, D. D. Karshanbhai, V. M. Vishnubhai, B. H. Ranabhai, T.A. Ratilal</i> | | |
| 9 | <i>Comparative transcriptomics of fibreless mutant and wild type accessions of Gossypium arboreum D. Pathak*, A. Mittal, P. Rathore</i> | | |
| Concurrent Session – II | | Theme: Best Management Practices (BMP) for Climate Resilience, Soil Health and Sustainable Cotton Production | |
| Venue: SN Pandey Conference room | | Time: 3.00 – 6.00 pm [Coffee Break after 5 Presentations] | |
| Chair: Dr. S. R. Gadakh, VC, Dr. PDKV, Akola | | Co-Chair: Dr. Pankaj Rathore, Principal Cotton Breeder (RRS Faridkot), PAU | Rapporteur: Dr. Annie Sheeba, Sr. Scientist, CICR, Coimbatore |
| S. No. | Title | | |
| 1 | Determining soil and landscape requirements of cotton for use in land suitability assessment <i>G. A. Roshani*, S. A. R. Seyed Jalali</i> | | |
| 2 | Efficacy of Nano Zinc Oxide as a micronutrient Zinc Source for Bt-Cotton <i>A. Manikandan*, N. Vigneshwaran, D. Blaise, Y. G. Prasad, D. Kanjana, A. K. Bharimalla, A. Arputharaj</i> | | |
| 3 | Evaluation of introduced cotton hybrid <i>Z. Ali*, M. M. A. Ali</i> | | |
| 4 | Improving yield and nitrogen use efficiency in Bt. Cotton (<i>Gossypium hirsutum</i> L) under rainfed condition <i>Bhimashankar M. Satale*, Wasudeo N. Narkhede, Y. Madagoudra</i> | | |
| 5 | Influence of different organic fertilizers on soil nutrients and yield of cotton <i>K. Hassan*, Md. F. A. I. Tabib, S. Kundu</i> | | |
| 6 | Hydroponics: Ideal system to study the interplay between Macro and Micro nutrients in the root zone of cotton <i>A. H. Prakash*, M. Sabesh, S. Yogaraj, R. Venkatesan</i> | | |
| 7 | Long linted <i>Gossypium arboreum</i> – a viable alternative to meet organic cotton demand <i>G. I. Ramkrushna*, M. V. Venugopalan, R. Pande, R. H. Neelakanth, Y. G. Prasad</i> | | |
| 8 | Effect of osmoprotectants for enhancing Bt. Cotton productivity under rainfed conditions <i>K. N. Pawar*</i> | | |
| 9 | Productivity and economics of Bt cotton based cropping system under different nutrient levels to enhance resource utilization and sustainability <i>S. U. Kakade*, N. R. Potdukhe, V.K. Kharche, S.T. Dangore, S.A. Ingale</i> | | |
| Concurrent Session – III | | Theme: Changing Pest and Disease Scenario in the Cotton Agro-ecosystem | |
| Venue: Training Hall | | Time: 3.00 – 6.00 pm [Coffee Break after 5 Presentations] | |
| Chair: Dr. Y. G. Prasad, Director, ICAR-CICR, Nagpur | | Co-Chair: Dr. Rishi Kumar, Head (Sirsa), CICR | Rapporteur: Dr. Gulzar Banu, PS, CICR, Nagpur |
| S. No. | Title | | |
| 1 | Pink Bollworm Management in Cotton Growing Countries across the Globe <i>Sandhya Kranthi*</i> | | |
| 2 | Pathogenicity of entomopathogenic nematodes against pink bollworm, <i>Pectinophora gossypiella</i> <i>J. Gulsar Banu*, A. H. Prakash</i> | | |

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| 3 | Characterization of proteolytic enzymes in pink bollworm, <i>Pectinophora gossypiella</i> (Saunders), in relation to Bt toxicity <i>S. Chaitra, S. MD. Akbar*, N. Olekar, S. B. Patil</i> |
| 4 | Functional Biodiversity in organic and conventional cotton systems <i>C. Ledroit*</i> |
| 5 | Morphometrics of <i>Pectinophora gossypiella</i> (Saunders) on Cotton at different temperature levels <i>K. V. Deshmukh*, V. K. Bhamare</i> |
| 6 | Protection of Bt transgenic cotton events against pink bollworm under IPM umbrella <i>U. Shashikant*, H. Siddalingappa</i> |
| 7 | Broflanilide 20% SC: A Novel insecticide for the management of sucking insect pests of Bt cotton <i>A. G. Sreenivas, S. G. Hanchinal, B. J. Patil*, G. Sham Supreeth, G. N. Shreevani, S. Nadagouda</i> |
| 8 | Morphometric assessment and genetic diversity amongst emerging <i>Corynespora cassicola</i> causing target spot disease on Cotton in Central India <i>S. P. Gawande*, B. B. Fand, D. T. Nagrale, N. S. Hiremani, M. D. Meshram, S. Sakshi, G. T. Behre, Y. G. Prasad</i> |
| 9 | Integrated management of boll rot disease complex in upland cotton (<i>Gossypium hirsutum</i>) in India <i>D. Nagrale*</i> |
| 10 | Toxicity of insecticides against egg and larval stages of cotton pink bollworm, <i>Pectinophora gossypiella</i> (Saunders) (Lepidoptera: Gelechiidae) under laboratory conditions <i>Abhishek V. Busnoor, R. M. Wadaskar, Babasaheb B. Fand*, V. J. Tambe, T. Pillai, D. J. Mahule, V. S. Nagrare, Y. G. Prasad</i> |
| Concurrent Session – IV | |
| Theme: Ginning, Spinning, Fibre processing and Textile technology | |
| Venue: V Sundram Committee room | |
| Time: 3.00 – 6.00 pm [Coffee Break after 5 Presentations] | |
| Chair: Dr. K. K. Singh, VC, SVPUAT, Meerut | |
| Co-Chair: Dr. G. S. Nadiger, Former Director, Textile Committee | |
| Rapporteur: Dr. Krishna Prasad, Sr. Scientist, CIRCOT, Mumbai | |
| S. No. | Title |
| 1 | Application of Nanotechnology in Cotton Textiles - Enhancing the Performance of Future Fabrics <i>N. Vigneshwaran*, A. Arputharaj</i> |
| 2 | Study on Suitability of Comilla Cotton of the West Garo Hills for Surgical Cotton <i>Jyoti V. Vastrad*, A. S. M. Raja, H. G. Kencharaddi, G. I. Ramkrushna, P. Sangma</i> |
| 3 | Optimization of groove profile of chrome leather roller for improving ginning outturn of double roller gin <i>S. S. Kautkar*, S. K. Shukla, V. G. Arude, S. V. Ghadge</i> |
| 4 | Performance Evaluation of Lint Cleaners used in Indian Ginneries <i>V. Satankar*, S. K. Shukla, K. Pandiyan, V.G. Arude, S. V. Ghadge</i> |
| 5 | Cotton based reusable face mask with breathability, antimicrobial and repellent properties <i>A. S. M. Raja*, Krishna prasad, G., Senthilkumar, T., Prabhu, G.T.V., Sundaramoorthy, C.</i> |
| 6 | Heat generating smart textile products using cotton/carbon conductive yarn <i>P. Jagajanantha*, G. Krishna Prasad, S. Patil, K. Jalgaonkar, T. Senthilkumar, J. Dhakane-Lad, S. Kautkar, A. S. M. Raja</i> |
| 7 | Implementation of Individual Bale Management System to Investigate its Effect on Spinning Performance <i>K. R. Nandagopal*, K. Saravanan, G. Karthikeyan</i> |
| 8 | Absorption-Desorption Behaviour (in-situ) of Seed Cotton, Seed and Lint and its Importance in Ginning Percent |

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| | <i>P. S. Deshmukh*, M. K. Mahawar, V.G. Arude, C. Ram</i> | | |
| 9 | Advancement in biopolymeric based aerogels: An innovative and sustainable solution for thermal management applications <i>S. Kaushik*, H. Venkatesan</i> | | |
| 10 | Amelioration in mechanical and barrier properties of cotton fabric through bio-coatings <i>J. Dhakane-Lad*, K. Jalgaonkar, P. Jagajanantha, M. K. Mahawar, A. K. Bharimalla, S. Saxena</i> | | |
| Concurrent Session – V | | Theme: Cotton by-produce & by-product utilization, value addition and circular economy | |
| Venue: NLAMC Hall | | Time: 3.00 – 6.00 pm [Coffee Break after 5 Presentations] | |
| Chair: Dr. Indramani Mishra, VC, VNMKV, Parbhani | | Co-Chair: Dr. R. H. Balasubramanya, Former Head, ICAR-CIRCOT, Mumbai | Rapporteur: Dr. K. Pandiyan, Sr. Scientist, CIRCOT, Nagpur |
| S. No. | Title | | |
| 1 | Biochemical preparation of microcrystalline cellulose powder from cotton linters for utilization as tablet excipients <i>H. N. Shende, V. Mageshwaran*</i> | | |
| 2 | Cost effective production of thermoalkali tolerant bacterial xylanase using cotton seed hull as substrate and its application for bio bleaching of lignocellulosic based paper pulp <i>A. Dukare*, K. Sharma, N. Vigneshwaran, S. Saxena</i> | | |
| 3 | Functionalized nanocellulose fibres from cotton linters and its application in hydrogels <i>S. Patil*, H. K. Pradeep, Saxena, S., Bharimalla, A., Bolakatti, G., Chandragirivar, P.</i> | | |
| 4 | Harnessing Cottonseed's Potential: A Sustainable Approach to Utilize Protein in Combating Malnutrition – A Step Towards the Circular Economy <i>M. Kumar*, K. Sharma, S. Saxena</i> | | |
| 5 | Utilization of cotton micro-dust as substrate for production of cellulolytic enzymes by a thermophilic fungus, <i>Aspergillus fumigatus</i> CF-T <i>K. Pandiyan*, N. Payasi, A. S. Rajavat, D. T. Nagrale</i> | | |
| 6 | Process optimization of cellulose Nanocrystal stabilized Nanosulphur synthesis using Response Surface Methodology <i>M. K. Mahawar*, A. K. Bharimalla, A. Arputharaj, J. Palkar, J. Dhakane-Lad, K. Jalgaonkar</i> | | |
| 7 | Seed protein content evaluation in Indian Cotton cultivars <i>V. Santhy*, P. Dhakade, P. Verma, D. Paul</i> | | |
| 8 | Activated charcoal embedded multi-layer fabric for indoor air decontamination <i>K. Jalgaonkar*, P. Jagajanantha, S. Patil, J. Dhakane-Lad</i> | | |
| 9 | Cotton Stalk based nanolignin and its applications <i>Siddhi J. Juikar*, N. Vigneshwaran</i> | | |
| 10 | Ferret out cellulose degrading bacteria as cotton stalk degraders <i>P. R. Parmar*, B. K. Rajkumar, H. R. Ramani, M. C. Patel</i> | | |
| 11 | Synthesis of Silver Nanoparticles using Cottonseed Extract and Antibacterial Evaluation <i>K. Sharma*, N. Vigneshwaran, M. Kumar, A. Dukare, S. Saxena</i> | | |
| Coffee Break: 6:00 – 6:30 pm | | | |
| Special lectures (6.30 - 7.30 pm) | | | |
| Venue: Pandal | | Chair: Dr. S.N. Jha DDG (Agril. Engg.), New Delhi Co-Chair: Dr. C. D. Mayee, Former Chairman, ASRB & President, ISCI, Mumbai | |

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| | | Rapporteur: Dr. Sujata Saxena, PS & Head (CBPD), CIRCOT, Mumbai |
| 6:30 - 7:30 pm | | Special lectures |
| S. No. | Speaker name | Lecture |
| 1 | Sh. Ram Kaundinya, Director General, Federation of Seed Industry of India (FSII) | Barwale Memorial Lecture |
| 2 | Sh. D. L. Tambhale, Director - Agriculture (ATMA) | Cotton Value Chain Development Initiatives in Maharashtra state |
| Dinner (7:30 pm onwards) | | |
| Day 2 (07 December, 2023) | | |
| Poster Session – I | | |
| Venue: Pandal Time: 9:00 - 10:00 am | | Chairman: Dr. Nawab Ali, Former DDG (Agril. Engg.), ICAR, New Delhi |
| Theme: Advances in Cotton genetic improvement, Molecular Biology, Biotechnology and Genomics | | |
| S. No. | Topic | |
| 1 | RNA-seq mediated Transcriptome analysis of two upland cotton (<i>Gossypium hirsutum</i> L.) genotypes varying in maturity <i>Supritha Raj* D.S and R. S. Patil</i> | |
| 2 | Biochemical and Molecular characterization of cotton (<i>Gossypium hirsutum</i> L.) genotypes for drought tolerance <i>H. R. Ramani*, N. B. Pansuriya, B. K. Rajkumar</i> | |
| 3 | Sustainable qualitative and quantitative improvement in desi cotton <i>T. T. Patel*, D. R. Patidar</i> | |
| 4 | Root enzymes as influenced by water logging in Cotton <i>J. A. Sheeba*, V. Gotmare, M. Saravanan</i> | |
| 5 | Development and Evaluation of Recombinant Inbred Lines for Fibre Quality and Morphological Parameters in Cotton (<i>Gossypium arboreum</i> L.) <i>D. H. Patel*, H. Patel Riya, B. K. Rajkumar, M. C. Patel</i> | |
| 6 | Assessment of genetic divergence through cluster analysis in American cotton <i>V. Kumar*, G. Grover, P. Sing</i> | |
| 7 | Exploitation of heterosis in newly developed Bt Cotton Hybrids for Yield and Fibre Quality Traits in American Cotton (<i>Gossypium hirsutum</i> L.) <i>N. V. Kayande*, S. B. Deshmukh, N. R. Potdukhe, O. S. Rakhonde, S. U. Kakade, S. H. Ingle</i> | |
| 8 | Drought QTL's linked to drought tolerance in cotton under PEG conditions <i>J. Amudha*, M. Saravanan, J. H. Meshram</i> | |
| 9 | Targeted base-editing of GhALS (acetolactatesynthase) gene for herbicide tolerance in cotton <i>R. Kumar*, J. Das</i> | |
| 10 | AKA-2013-8: A Promising Desi Cotton variety for Rainfed cotton growing states of Central India <i>S. B. Deshmukh*, N. V. Kayande, S. U. Kakade, O. S. Rakhonde, P. P. Patil</i> | |
| Theme: Best management Practices for Climate resilience, soil health and sustainable cotton production | | |
| 11 | Feasibility of double cropping of different cotton (<i>Gossypium hirsutum</i> L.) varieties with Barley (<i>Hordeum vulgare</i> L.) in an arid climate <i>M. R. R. Moghaddam*, Y. Esmaeilian</i> | |

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| 12 | Potential of nutrient management strategies for productivity enhancement of cotton (<i>Gossypium hirsutum</i>) under saline irrigation conditions in South-Western Punjab (India) <i>S. Singh*</i> , <i>B. K. Yadav</i> |
| 13 | Ethylene inhibitor ameliorate the adverse effect of waterlogged conditions in cotton <i>A. Kaur*</i> , <i>G. Singh</i> |
| 14 | Effect of different tillage, in situ cotton residue incorporation and integrated nutrient management on yield attributes and yield of Bt cotton (<i>Gossypium hirsutum</i> L.) <i>W. N. Narkhede*</i> , <i>Y. B. Madagoudra</i> , <i>M. S. Pendke</i> , <i>D.N. Gokhale</i> |
| 15 | Cotton-based regenerative farming: sustainability through soil and agro-ecology health <i>S. Singh*</i> , <i>S. Thakur</i> , <i>E. Anand Hill</i> |
| 16 | Effect of canopy management on cotton yield and biomass accumulation under HDPS <i>Md. F. A. I. Tabib*</i> , <i>N. Jahan</i> |
| 17 | Effect of Humic Substances on Yield and Nutrient Uptake of Bt-Cotton in Rainfed condition <i>O. S. Rakhonde*</i> , <i>N. R. Potdukhe</i> , <i>V. K. Kharche</i> , <i>S. D. Jadhao</i> , <i>D. V. Mali</i> , <i>A. N. Paslawar</i> , <i>S. B. Deshmukh</i> , <i>N. R. Potdukhe</i> |
| Theme: Changing Pest and Disease scenario in Cotton Agro-ecosystem | |
| 18 | Evaluation of novel insecticides against sucking pest complex in cotton <i>M. Sivarama Krishna*</i> , <i>D. Lakshmi Kalyani*</i> , <i>K. Mohan Vishnu vardhan</i> , <i>R. Kumar</i> |
| 19 | Influence of different dates of sowing as a consequence of climate change on the incidence of pink bollworm <i>Pectinophora gossypiella</i> (Saunders) on Bt cotton <i>A. G. Sreenivas</i> , <i>Sudharani</i> , <i>M. R. Umesh</i> , <i>S. G. Hanchina</i> , <i>S. Abinaya*</i> , <i>B. K. Desai</i> |
| 20 | Evaluation of insecticides against sucking pests in Bt cotton <i>R. Bhandari Girdharlal*</i> , <i>D. Patel Rajeshkumar</i> , <i>R. Desai Himanshu</i> , <i>C. Patel Manharlal</i> |
| 21 | Computational analysis reveals nicotinamide mononucleotide as a novel biomolecule possessing nematicidal activity against Reniform nematode, <i>Rotylenchulus reniform</i> is infesting cotton in India <i>J. Gulsar Banu*</i> , <i>A. H. Prakash</i> |
| 22 | Total phenolics and phenylalanine ammonia lyase are responsive elements in tolerant <i>Gossypium</i> cultivar against whitefly infestation <i>P. Singla*</i> , <i>Sunidhi</i> , <i>A. Sharma</i> , <i>S. Sharma</i> |
| 23 | Shikimate representatives, PAL and TAL are responsive factors in tolerant cotton cultivar against thrips infestation <i>Sunidhi*</i> , <i>P. Singla</i> , <i>R. Kaur</i> , <i>S. Sharma</i> |
| 24 | Scenario of Pink bollworm infestation in India: Resistance against Bt toxins <i>G. S. Supreeth*</i> , <i>A. G. Sreenivas</i> , <i>V. Chinna Babu Naik</i> , <i>S. Nadagouda</i> , <i>S. G. Hanchinal</i> , <i>J. M. Nidagundi</i> , <i>M. Lakshmikanth</i> |
| Theme: Cotton By-produce and by-product utilization | |
| 25 | Extraction of chitin and preparation of chitosan from sex pheromone trapped male moths of pink bollworm, <i>Pectinophora gossypiella</i> Saunders <i>K. J. Bhuv*</i> , <i>R. Desai Himanshu</i> , <i>M. Lalit</i> , <i>D. Patel Rajeshkumar</i> |
| Theme: Precision cotton farming, mechanization, sensors, AI, IoT and robotics | |
| 26 | Economic advancement and efficient production in cotton: labor saving strategies <i>D. L. Kalyani *</i> , <i>M. S. Rama Krishna</i> , <i>K. M. Vishnu Vardhan</i> |
| Plenary Session - II | |
| Venue: Jubilee Hall | |
| Time: 10:00 - 11:30 am | |

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| Chair: Dr. K. R. Kranthi , Chief Scientist, ICAC, Washington DC, USA | | Co-chair: Dr D. K. Yadava , ADG (Seeds), ICAR, New Delhi | | Rapporteur: Dr. G. Balasubramani , PS & Head, ICAR-CICR, Nagpur | |
| Topic | | | Speaker name | | |
| New Breeding tools for harnessing the genetic potential in cotton | | | Dr. Vasu Kuraparthi , Professor, NCSU, USA | | |
| Challenges in breeding for resilience in cotton | | | Dr. Marc Giband , Research Scientist, CIRAD, France | | |
| Coffee Break: 11:30 am – 12.00 noon | | | | | |
| Plenary Session – III | | | | | |
| Venue: Jubilee Hall | | | Time: 12.00 noon - 1:30 pm | | |
| Chair: Dr. P. G. Patil , Vice Chancellor, MPKV, Rahuri (Maharashtra) | | Co-chair: Dr. Y. G. Prasad , Director, ICAR-CICR, Nagpur | | Rapporteur: Dr. Joy Das , Scientist, CICR, Nagpur | |
| Topic | | | Speaker name | | |
| Cotton IPM in United States, History, Livelihood and Technological advancement | | | Dr. Megha Parajulee , Regents Fellow, Texas A&M, USA | | |
| Cotton fabrics and climate change | | | Dr. Mohamed Negm , Chairman, ICRA & Head, Spinning Research Dept., CRI, Egypt | | |
| Lunch Break: 1:30 pm – 2:30 pm | | | | | |
| Concurrent sessions, VI – X, (Oral presentations) | | | | | |
| Concurrent Session – VI | | | Theme: Advances in cotton genetic improvement, molecular Biology, Biotechnology and genomics | | |
| Venue: Jubilee Hall | | | Time: 2:30 - 5:30 pm [Coffee Break after 5 Presentations] | | |
| Chair: Dr. A. H. Prakash , Head, CICR, Coimbatore | | Co-chair: Dr. Md. Reza , Researcher, Cotton research institute (AREEO of Iran) | | Rapporteur: Dr. Manharlal Patel , Research Scientist, NAU, Surat | |
| S. No. | Topic | | | | |
| 1 | Bt Cry protein expression pattern in Transgenic Cotton <i>G. Balasubramani*</i> , <i>P. Thakur</i> , <i>J. Amudha</i> | | | | |
| 2 | A simultaneous two-pronged approach for breeding high yielding Bt varieties in cotton (<i>Gossypium hirsutum</i> L.) <i>Rajesh S. Patil*</i> | | | | |
| 3 | Improvement of salt tolerance in upland cotton through Back crossing method <i>M. R. Ramazani Moghaddam*</i> , <i>M. Vafaeitabar</i> | | | | |
| 4 | Performance of American Bt (deregulated <i>Cry 1 Ac</i> event) cotton genotypes for seed cotton yield, yield contributing and fibre quality traits under rainfed condition <i>V. N. Chinchane*</i> , <i>K. S. Baig</i> , <i>A. R. Gaikwad</i> , <i>S. V. Surewad</i> | | | | |
| 5 | Genetic Improvement for Fibre Quality in Desi Cotton <i>K. S. Baig*</i> , <i>V. N. Chinchane</i> | | | | |
| 6 | Genetic variability and diversity analysis in Cotton (<i>Gossypium hirsutum</i> L.) <i>P. Mukeshkumar*</i> , <i>Rameshbhai</i> | | | | |
| 7 | RNAi target gene <i>PgUAP</i> from the chitin biosynthesis network of pink bollworm <i>J. Das*</i> , <i>R. Kumar</i> , <i>K. P. Raghavendra</i> , <i>V. Shah</i> , <i>G. Balasubramani</i> , <i>Y. G. Prasad</i> | | | | |

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| 8 | Mating designs and specific combining ability effects used for the development of heterotic pools in <i>Gossypium hirsutum</i> cotton <i>D. V. Patil *</i> |
| 9 | Interpreting yield and quality stability of <i>Gossypium barbadense</i> genotype by environmental interactions through AMMI model using R Studio <i>K. Baghyalakshmi*, A. R. Priyanka, A. Shanmugam, K. Aravind</i> |
| Concurrent Session – VII | |
| Theme: BMP for climate resilience, soil health and sustainable cotton production | |
| Venue: SN Pandey Conference Hall | Time: 2:30 - 5:30 pm [Coffee Break after 5 Presentations] |
| Chair: Dr. V. Kumar , Former Head, Cotton Research Station, Surat | Co-chair: Dr. P. Nalayani , PS, CICR, Nagpur |
| | Rapporteur: Dr. G. I. Ramkrushna , Sr. Scientist, CICR, Nagpur |
| S. No. | Topic |
| 1 | Enhancing yield of Bt cotton through integrated approach <i>A. D. Pandagale*, K. S. Baig, S. S. Rathod</i> |
| 2 | Phenotypic variability in Comilla cotton germplasm of north east India <i>H. G. Kencharaddi*, G. I. Ramkrushna, S. T. Pavan Kumar, J. Vastrad</i> |
| 3 | Performance of Bt cotton (<i>Gossypium hirsutum</i> L.) hybrids under high density planting in rainfed condition <i>P. B. Motinge*, W. N. Narkhede, B. M. Satale</i> |
| 4 | Assessing interaction of conservation tillage and IPNS on soil properties and cotton productivity under arid agro ecosystems <i>N.M. Konde*, P. R. Kadu, N. Kanase, S. D. Jadhao, A.B. Age, V.K. Kharche, S.M. Bhojarand A.N. Paslawar</i> |
| 5 | Maturity duration and Boll position Influences Seed Vigour Parameters in Asiatic Cotton (<i>Gossypium arboreum</i>) <i>D. Paul*, V. Santhy, S. Chandra, A. Singh, S. K. Sain, R. Kumar</i> |
| 6 | Elevated carbon dioxide influence on cotton associated weeds, their competition on growth and yield of cotton under irrigated agro ecosystem <i>P. Nalayini*, A. H. Prakash, M. Amutha, A. Uma Maheshwari</i> |
| 7 | Effect of paired row sowing on yield of desi cotton under rainfed condition <i>Dharmendra R. Patidar, Tikendra T. Patel*</i> |
| Concurrent Session – VIII | |
| Theme: Changing pest and disease scenario in the cotton agro-ecosystem | |
| Venue: Training Hall | Time: 2:30 - 5:30 pm [Coffee Break after 5 Presentations] |
| Chair: Dr. T. P. Rajendran , Former ADG (PP), ICAR | Co-chair: Dr. G. T. Behere , Head (CP), CICR, Nagpur |
| | Rapporteur: Dr. Satnam Singh , Cotton Entomologist, PAU, Ludhiana |
| S. No. | Topic |
| 1 | Enhancing RNAi efficiency in cotton spotted bollworm <i>Earias vittella</i> and whitefly <i>Bemisia tabaci</i> through nanoparticle shielded dsRNA <i>S. Singh*, S. Sandal, R. Kaur, S. Pandher, P. Rathore</i> |
| 2 | Changing disease scenario in cotton under Punjab conditions <i>Rupesh K. Arora*</i> |
| 3 | Pink Bollworm: Incipient to Serious Proportions in Northern Cotton Growing Zone of India <i>R. Kumar*, D. Paul, S. Singh, S. K. Sain, A. Singh, S. Chandra, Y. G. Prasad</i> |

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| 4 | Detection and management of seed borne diseases of Bt Cotton <i>Gangadhar, V. R. Kulkarni*, M. S. L. Rao, Md. Akbar</i> |
| 5 | Differential response of larvae of cotton stem weevil, <i>Pempherulus affinis</i> to native isolates of <i>Bacillus thuringiensis</i> <i>K. Shankarganesh*, B. Singaravelu, V. Gowtham, Y. G. Prasad</i> |
| 6 | Glutathione associated redox potential of Gossypium species against dusky cotton bug infestation <i>D. Handa*, R. Kaur, D. Pathak, S. Pandher, A. Sharma, A. Mittal, A. Kumar</i> |
| 7 | Microbial-based volatiles: An eco-friendly and non-chemical approach for sucking pest management in cotton <i>K. Velmourougane, P. Verma, A. Manikandan, L. R. Harinkhede, P. T. Bansod, J. B. Vaidya, R. Kumar, Y. G. Prasad</i> |
| 8 | Evaluation and comparison of different refugia-in-bag (RIB) patterns against boll worm complex with special reference to pink boll worm in Bt cotton <i>M. Sivarama Krishna*, D. Lakshmi Kalyani, K. Mohan Vishnu vardhan, R. Kumar</i> |
| 9 | Evaluating the Refuge in Bag seed mix against cotton bollworms and prospects for sustainability <i>R. Desai Himanshu*, D. Patel Rajeshkumar, R. Bhanderi Girdharlal, M. C. Patel</i> |
| 10 | Compatibility and effectiveness of tank mixing fungicides and antibiotics for Controlling Alternaria leaf Blight and Bacterial Leaf Blight in high-density planted Cotton <i>D. D. Karashan*, K. Sain Satish, T. A. Ratilal, P. A. Mansukhbhai., V. M. Govindbhai, B. H. Ranabhai, V. M. Visnubhai</i> |
| Concurrent Session – IX | |
| Theme: Ginning, Spinning, fibre processing and textile technology | |
| Venue: V Sundaram Committee room | |
| Time: 2:30 – 5:30 pm [Coffee Break after 5 Presentations] | |
| Chair: Dr. D. B. Shakyawar, Director, ICAR-NINFET | |
| Co-chair: Dr. G. R. Anap, International Ginning Consultant | |
| Rapporteur: Dr. G. T. V. Prabu, Sr. Scientist, CIRCOT, Mumbai | |
| S. No. | Topic |
| 1 | Development of sustainable cot-wool knitted garments <i>D. B. Shakyawar*, M. Sharma, S. Pant</i> |
| 2 | Bio-materials for eco-friendly chemical processing of cotton textiles <i>S. Saxena*, A. Arputharaj, A. S. M. Raja</i> |
| 3 | Advanced Chemical Finishing of Cotton for Thermal Management <i>H. Venkatesan*</i> |
| 4 | Development of Cotton-Based Multilayered Protective Clothing for Motorbike Riders <i>G. Krishna Prasad*, N. Shanmugam, T. Senthilkumar, A. S. M. Raja</i> |
| 5 | Engineered Cotton Fabric Face Mask with High Filtration and Breathable Properties <i>G. T. V. Prabu*, A. S. M. Raja, G. Krishna Prasad, T. Senthilkumar, C. Sundaramoorthy, N. Shanmugam</i> |
| 6 | Spinning performance and yarn properties of Cotton/Indian hemp fibre blends <i>T. Senthilkumar*, N. Shanmugam, A. S. M. Raja, G. Krishna Prasad, S. Debnath, K. K. Samanta M. Bhowmick</i> |
| 7 | Fiber quality assessment for cotton genotypes using scanning electron microscopic (SEM) and spectroscopic techniques <i>Mehra S. Sidhu*, Neha, A. Kaur, G. Grover, D. Pathak</i> |
| 8 | Kans, an innovative and ideal blend-option for various type of cotton products <i>M. Bhowmick*, S. Debnath, K. K. Samanta, H. Baite, L. Nayak, P. Shrivastava, Arnab K. De</i> |
| 9 | Improvement of hygiene of Polyester/Cotton blended garments using nano material infused home laundering softeners |

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| | <i>S. Soni*, R. Babel, A. Arputharaj, S. Saxena</i> | | |
| 10 | Recent advances in the application of bacterial endophyte metabolites for imparting antimicrobial properties in cotton textiles <i>S. Singh*, M. Sahgal</i> | | |
| Concurrent Session – X | | Theme: Precision Farming, mechanization, sensors, AI, IoT and robotics | |
| Venue: NLAMC Hall | | Time: 2:30 - 5:30 pm [Coffee Break after 5 Presentations] | |
| Chair: Dr. S. N. Jha , DDG (Agril. Engg.), ICAR, New Delhi | | Co-chair: Dr. Abhijit Kar , Director, NISA, Ranchi | Rapporteur: Dr. S. S. Kautkar , Scientist, CIRCOT, Mumbai |
| S. No. | Topic | | |
| 1 | Integrating sensor-based applications into Cotton Pest Management - an Overview <i>Y. G. Prasad*</i> | | |
| 2 | Effect of defoliant application on boll maturity, seed cotton yield and quality of cotton <i>K. Sankaranarayanan*, A. H. Prakash</i> | | |
| 3 | Technology Capsule for complete mechanization in Cotton <i>S. Somasundaram*</i> | | |
| 4 | Validation of Hand-held mechanical Cotton Picker for suitability and acceptability by smallholder Indian Cotton Farmers <i>V. G. Arude*, S. K. Shukla, P. S. Deshmukh, V. Satankar, R. R. Potda, A. P. Pandirwar, T. Senthilkumar, G. I. Ramkrushna, G. Majumdar, R. Raja</i> | | |
| 5 | Stripper type of cotton harvester for Indian conditions <i>A. P. Pandirwar*, A. K. Roul, B. M. Nandede, R. Idapuganti, V. G. Arude</i> | | |
| 6 | Leveraging effective CICR defoliant in cotton towards mechanical harvesting in India <i>J. H. Meshram*, G. Majumdar, G. I. Ramkrushna, D. Blaise, A. Singh, R. Raja, Y. G. Prasad</i> | | |
| 7 | An investigation on Techno-economics of Cotton harvesting using tractor <i>D. Maski*, Sharanbasava, K. Prakash, J. M. Nidagundi</i> | | |
| 8 | Unmanned aerial vehicle based chemical topping agent application for canopy management in Cotton <i>R. Raja*, D. Kanjana, T. Arumuganathan, A. H. Prakash, Y. G. Prasad</i> | | |
| 9 | Performance Evaluation of Drone Mounted Sprayer for the Management of Sucking Insect Pests of Bt cotton <i>A. G. Sreenivas, S. Shirwal*, W. Sushilendra</i> | | |
| Coffee Break: 5:30 – 5:45 pm | | | |
| SURESH KOTAK INTERNATIONAL Lectures | | | |
| Venue: Jubilee Hall, Time: 5:45 – 7:00 pm | | Chairman: Dr. Ramasami , CEO Rasi Seeds Pvt Ltd Co-chair: Dr. K. Narsaiah , ADG (PE), ICAR, New Delhi Rapporteur: Dr. Manivannan , Senior Scientist, CICR-Coimbatore Speakers: <ul style="list-style-type: none"> Dr. Fakhre Alam Ibne Tabib, Executive Director, Cotton Development Board, Bangladesh – “Sustainability issues in cotton value chain development and utilisation” Mr. Bhagirath Chaudhary, Founder Director, South Asia Biotechnology Centre | |
| Dinner: 7:00 pm onwards | | | |

Day 3 (08 December, 2023)**Poster session - II****Venue:** Pandal**Time:** 9:00 – 10:00 am**Chairman:** Dr. R.P. Kachru, Former ADG (PE),
ICAR, New Delhi**Theme: Advances in Cotton genetic improvement, Molecular Biology, Biotechnology and Genomics**

| S. No. | Topic |
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| 1 | Combining ability and gene action analysis for yield traits, fiber quality and biochemical traits of cotton (<i>Gossypium hirsutum</i> L.) <i>S. J. Vanapariya*</i> , <i>G. O. Faldu</i> |
| 2 | Cotton Germplasm in India <i>V. Gotmare*</i> , <i>H. Kumbhalkar</i> , <i>Saravanan, M.</i> , <i>S Mahajan</i> , <i>R Pande</i> , <i>N Hiremani S</i> , <i>Manickam et al.</i> , |
| 3 | Evaluation of irradiated inter and intra specific American cotton advanced lines for Seed cotton yield and fibre quality <i>Y. Prashanth*</i> <i>B. Ramprasad</i> , <i>D. Ashwini</i> , <i>B. Madavi</i> , <i>R. Uma Reddy</i> |
| 4 | Genetic diversity analysis of perennials and landraces of <i>desi</i> cotton (<i>Gossypium arboreum</i> L.) collected from different eco-geographical regions of India <i>M. Saravanan*</i> , <i>A. Sirsam</i> , <i>P. Mohan</i> , <i>R. C. Misra</i> , <i>V. N. Waghmare</i> , <i>K. R. Kranthi</i> , <i>Y. G. Prasad</i> |
| 5 | Detection of Epistasis, additive and dominance variation in cotton (<i>Gossypium barbadense</i> L.) as a base to select superior new recombination highly in yielding and fiber quality traits <i>W. M. B. Yehia*</i> , <i>A. M. Radwan</i> , <i>E. A. Amer</i> , <i>H. A. El-Hoseiny</i> |
| 6 | Genetic variation for fibre quality traits in the interspecific backcross derivatives of cotton <i>Veerpal*</i> , <i>D. Pathak</i> , <i>S. Jindal</i> , <i>P. Rathore</i> , <i>H. Hasan</i> |
| 7 | Development of long linted fine quality <i>desi</i> cotton (<i>Gossypium arboreum</i>) genotypes to meet the demand of textile industry <i>N. Chinchane*</i> , <i>K. S. Baig</i> |
| 8 | Evaluation of American Bt (deregulated <i>Cry 1 Ac</i> and <i>Cry 2Ab</i> event) cotton genotypes for seed cotton yield and fibre quality traits under rainfed condition <i>K. S. Baig*</i> , <i>V. N. Chinchane</i> , <i>A. R. Gaikwad</i> , <i>S. V. Surewad</i> |
| 9 | Introducing CGMS genes to the commercial and hopeful cotton cultivars <i>M. R. R. Moghaddam*</i> , <i>M. Vafaeitabar</i> |
| 10 | Evaluation of RNA extraction from cotton leaves by 4 Quantitative and qualitative different methods <i>N. Taghizadeh*</i> , <i>G. Ranjba</i> , <i>G. Nematzadeh</i> , <i>M. R. R. Moghaddam</i> |
| 11 | Correlation and principal component analysis of fiber quality and yield traits in genetically modified cotton <i>J. M. Patel*</i> , <i>D. G. Hingu</i> , <i>J. Navinbhai Patel</i> , <i>M. Chimanlal Patel</i> , <i>D. Hiralal</i> , <i>V. M. Govindbhai Chaudhary</i> , <i>K. K. Narsinhbhai</i> |
| Theme: Best management Practices for climate resilience, soil health and sustainable cotton production | |
| 12 | In-situ recycling of crop residue in cotton based cropping system <i>P. V. Shingrup*</i> , <i>A. N. Paslawar</i> , <i>Y. V. Ingle</i> , <i>A. D. Harne</i> , <i>N. Darekar</i> , <i>P. N. Chirde</i> , <i>D. V. Mali</i> |
| 13 | Role of climate change on growth and development of <i>arboreum</i> cotton in response to growth regulators <i>S.R. Kareekatti*</i> , <i>K. N. Pawar</i> |

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| 14 | Evaluation of Different Intercrops on the Productivity of Bt Cotton in Multi-tier Cropping System <i>N. Venkata Lakshmi*, A. Diana Grace, S. L. Bhattiprolu, K. Siva Reddy</i> |
| 15 | Intercropping: A sustainable approach for maximizing agronomic performance and economic advantage of cotton (<i>Gossypium hirsutum</i> L.) and sesame (<i>Sesamum indicum</i> L.) cultivation <i>M. R. R. Moghaddam, Y. Esmailian*</i> |
| 16 | Effect of Nutrient management and cotton based intercropping systemso n soil health and Productivity of Cotton in Vertisol <i>O. S. Rakhonde, V. K. Kharche, S. D. Jadhao, D. V. Mali, A. N. Paslawar, S. B. Deshmukh, N. R. Potdukhe</i> |
| 17 | Effect of Planting Arrangement on Yield and Yield Contributing Characters of Cotton <i>Md. Akhteruzzaman, M. B. Momtaz, Md. A. Wahab</i> |
| Theme: Changing pest and disease scenario in the cotton agro-ecosystem | |
| 18 | Biology and parasitic efficiency of <i>Trichogrammatoidea bactrae</i> <i>M. S. Kuyate*, V. K. Bhamare</i> |
| 19 | Potential efficacy of public sector <i>Bt</i> cotton hybrids against an invasive pest, <i>Spodoptera frugiperda</i> (J.E. Smith) <i>B. A. Thakre*, V. K. Bhamare</i> |
| 20 | Fenpropathrin - a new tool in cotton pink boll worm, <i>Pectinophora gossypiella</i> management <i>G. A. D. Grace*, N. Venkata Lakshmi, B. Sree Lakshmi</i> |
| 21 | Occurrence and Progression of Leaf Curl Disease of Cotton (<i>Gossypium Hirsutum</i> L.) in North Western Rajasthan (India) <i>M. Raman, P. Kumar*, P. Singh, S. R. Singh Meena</i> |
| 22 | Impact of IRM strategies on economy of cotton growers at District - Khandwa, Madhya Pradesh <i>S. K. Parsai*, R. Mandloi, M. Sahu, D. Mahor</i> |
| 23 | Effect of sowing dates and <i>Bt</i> hybrids on incidence of pink bollworm of cotton <i>J. Kaur*, S. K. Brar</i> |
| 24 | Seasonal progression of Pink Bollworm, <i>Pectinophora gossypiella</i> (Saunders) (Lepidoptera: Gelechiidae) on <i>Bt</i> cotton <i>P. V. Matti*, S. V. Hugar, P. M. H. Annavar, S. B. Patil</i> |
| Theme: Ginning, spinning Fibre Processing and Textile Technologies | |
| 25 | Processing of Kawdi Cotton in Indian Ginneries <i>S.V. Ghadge*, V. Satankar, S. K. Shukla, D. Patil</i> |
| 26 | Review on Methods of Seed Cotton Ginning Percentage Measurement <i>P. S. Deshmukh*, V. G. Arude, M. K. Mahawar, S. V. Ghadge, D. M. Kadam, C. Ram</i> |
| Oral presentations (Concurrent sessions, XI - XIV) | |
| Concurrent Session – XI | |
| Theme: Advances in Cotton genetic improvement, Molecular Biology, Biotechnology and Genomics | |
| Venue: Jubilee Hall | |
| Time: 10:00 – 11:10 am | |
| Chair: Dr. D. P. Waskar, Director of Research, VNMKV Parbhani | Co-chair: Dr. S. Manickam, PS, CICR, Nagpur |
| Rapporteur: Dr. K. Baghyalakshmi, Scientist, CICR, Coimbatore | |
| S. No. | Topic |
| 1 | Genetically Modified Cotton: Indian perspectives, challenges and future <i>C. Patel Jayantilal*, H. Patel Dipak., C. Patel Manharlal</i> |

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| 2 | Utilizing unadapted exotic germplasm resources for the development of resistance in cotton (<i>Gossypium hirsutum</i>) against Cotton Leaf Curl Disease <i>S. K. Verma, S. Chandra*, V. N. Waghmare, D. Paul, V. Gotmare, R. Kumar, S. K. Sain, A. Singh</i> |
| 3 | GISV 312: a compact cotton variety for rainfed agro ecosystem under high density planting system <i>M.C. Patel*, D. H. Patel, D. M. Patel, G. O. Faldu, B. K. Rajkumar</i> |
| Concurrent Session – XII | |
| Theme: Best management Practices for climate resilience, soil health and sustainable cotton production | |
| Venue: SN Pandey Conference room | |
| Time: 10:00 – 11:10 am | |
| Chair: Dr. M.S. Kairon , Former Director, CICR, Nagpur | Co-chair: Dr. Shankar Narayan , PS, CICR, Nagpur |
| Rapporteur: Dr. K. Velmourougane , Sr. Scientist, CICR, Nagpur | |
| S. No. | Topic |
| 1 | Assessment of cotton genotype for salinity tolerance at germination stage <i>Md. F. A. I. Tabib*, Md. K. Hassan</i> |
| 2 | Reimagining the future for Supply Chains <i>H. Desai*</i> |
| 3 | Standardization of geometry for public sector Bt cotton varieties under south Gujarat condition <i>K. B. Sankat*, M. M. Patel, S. L. Pawar, P. S. Patel, M. C. Patel</i> |
| 4 | Conservation agricultural practices improves the productivity of hybrid Bt cotton based cropping systems in North India <i>A. Singh, R. Kumar, S. K. Sain, D. Paul, S. Chandra</i> |
| Concurrent Session - XIII | |
| Theme: Changing pest and disease scenario in the cotton agro-ecosystem | |
| Venue: Training Hall | |
| Time: 10:00 – 11:10 am | |
| Chair: Dr. Sandhya Kranthi , Former Head (CP), CICR, Nagpur | Co-chair: Dr. A. G. Shrinivas , Professor, UAS, Raichur |
| Rapporteur: Dr. H. R. Desai , Associate Scientist, NAU, Surat | |
| S. No. | Topic |
| 1 | Using Bt traits to manage insect pests in cotton <i>S. Vyavhare*</i> |
| 2 | Bioefficacy evaluation of phosmet 50% WP against certain sucking pests of cotton <i>A. Regupathy*, V. Priyadharshini, D. Prakash</i> |
| 3 | To study the survival and development of pink bollworms on Bt cotton hybrids at different events <i>D. G. Ingale*, V. K. Bhamar</i> |
| 4 | Validation of IPM module for Pinkboll worm on cotton <i>V. M. Vishnubhai*, D. D. Karshanbhai, P. A. Mansukhbhai, B. H. Ranabhai, T. A. Ratilal, V. M. Govindbhai</i> |
| Concurrent Session - XIV | |
| Theme: Innovation in cotton trade, testing, traceability, technology transfer and socio-economics | |
| Venue: V Sundaram Committee Room | |
| Time: 10:00 – 11:10 am | |
| Chair: Shri Suresh Kotak , Chairman, TAG, GoI | Co-chair: Dr. Sadanand Patel , Former Head, IGKV, Raipur |
| Rapporteur: Dr. Usha Rani , PS, CICR, Coimbatore | |
| S. No. | Topic |
| 1 | Agri startup ecosystem at ICAR-CIRCOT for promotion of the cotton sector <i>A. K. Bharimalla*, C. Sundaramoorthy, M. K. Mahawar, S. Patil, A. Dukare</i> |
| 2 | Inclusive and Sustainable Marketing Model for Cotton farmers: A Case of Maharashtra <i>C. Sundaramoorthy*, A. R. Reddy, G. I. Ramkrushna, K. Prasad, A. Mandpe</i> |

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| 3 | Empirical Evidences on Cultivation Behaviour of Indian Extra Long Staple Cotton Growers and Extension Innovations to Emphasize Desirable Changes <i>S. Usha Rani*, A. H. Prakash, M. Amutha, P. Valarmathi, S. Manickam, K. Sankaranarayanan, M. Sabesh</i> | |
| 4 | Enhancing Traceability in the Cotton Value Chain: Current Challenges and Future Imperatives <i>A. Arputharaj*, N. Vigneshwaran, A. S. M. Raja, G. T. V. Prabhu, S. K. Shukla</i> | |
| 5 | Dynamics of Structural Changes in Indian Cotton Trade <i>I. Agarwal*</i> | |
| Coffee break: 11:10 – 11:30 am | | |
| Plenary Session – IV | | |
| Venue: Jubilee Hall Time: 11:30 am – 12:10 pm | Chairman: Shri Suresh Kotak , Chairman TAG, Ministry of Textiles Co-chair: Dr. S. Sreenivasan , Former Director, ICAR – CIRCOT, Mumbai Rapporteur: Dr. N. Shanmugam , Principal Scientist & Head (MPD) ICAR-CIRCOT, Mumbai | |
| Cotton the Hate Stories | Dr. K.R. Kranthi , Chief Scientist, ICAC Washington DC, USA | |
| Cotton Fibre Genomics | Dr. Ayubov Mirzakamol , Deputy Director, Centre of Genomics and Bioinformatics, Academy of Sciences of Uzbekistan, Uzbekistan | |
| Valedictory and Concluding session | | |
| Time: 12:15 pm – 1:15 pm Venue: | Rapporteur: Dr. C. Sundarmoorthy , Principal Scientist, ICAR-CIRCOT, Mumbai | <ul style="list-style-type: none"> • ICAC and ICRA updates • Election of new Chair of ACRDN • Award of Certificates to Sponsors • Concluding address / remarks • Vote of Thanks |
| Lunch break: 1:15 – 2:00 pm | | |
| Technical Tour & Local Sight Seeing | | |