

PROGRAMME



WORLD COTTON RESEARCH CONFERENCE-8

3-7 October 2024

International Hotel Tashkent, 107A, Amir Temur Street, Tashkent, Uzbekistan



3 OCTOBER

15.00 to 17.00 hrs. INAUGURAL PROGRAMME

19.00 hrs: WELCOME DINNER



4 OCTOBER 2024

PLENARY SESSION-1: 9.00 to 11.00 hrs.

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| PLENARY SESSION: Chair- Kater Hake | David Fang - Cotton MAGIC Population Development and Its Use in Genomic Dissection of Fiber Quality Traits | Ed Barnes - Automation of Cotton Production: Progress and Approaches | Axel Drieling - Fibre testing and global harmonization of methods |
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CONFERENCE HALL, RADISSON BLU

TEA/COFFEE: 11.00 to 11.30

CONCURRENT SESSIONS 1-4: 11.30 to 13.00 hrs.

| Session-1: ICGI Joint session-1. Chair: Jodi Scheffler | Session-2: Cropping systems. Chair: Venugopalan | Session-3: Insect chem ecology. Chair: M. Prabhakar | Session-4: Robotics & AI. Chair: Prasanta Kumar Dash |
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| SAMARKHAND | DOME HALL (French & Uzbek Interpretation) | BOARD ROOM | KHIVA |
| Xianlong Zhang - Genomics and transcriptomics reveal cotton fiber differentiation and development | Koffi Christophe Kobenan - Characterisation of cotton-based cropping systems in Côte d'Ivoire: which cropping practices should be improved to increase production by Ivorian cotton growers? | Rabia Saeed - Cotton vegetative and reproductive tissues are attractants for <i>Oxycarenus hyalinipennis</i> (Lygaeidae: Hemiptera) | Amal Owis - Cotton Intelligent Revolution: How Artificial Intelligence is Transforming Cotton in Egypt |
| Xavier David - Illumina Technologies to develop genomic ecosystem for plants | Periyakaruppan Nalayini - Enhancing carbon sequestration, seed cotton yield and sustainability through alley cropping of <i>Desmanthus virgatus</i> with cotton | Gulsar Banu - In silico analysis of Nimbolide, a tetranortriterpenoid (limonoid) compound isolated from the leaves of <i>Azadirachta indica</i> for nematocidal activity against nematode pests of Cotton. | Ghorban Ali Roshani - Creating an application for intelligent recommendations of fertilizers for cotton and other agricultural crops (Keshtyar) |
| Xiongming Du - Comprehensive insight into the divergence and adaptive potential of a forgotten landrace <i>G. hirsutum</i> L. purpurascens | Amarpreet Singh - Integrated nutrient management improves the productivity of cotton-wheat cropping system in North India | Shashikant Udikeri - Understanding the interaction between leaf hopper, <i>Amrasca biguttula biguttula</i> Ishida and <i>Gossypium</i> species: A chemo-ecological approach | Sunil Gorantiwar - Hyperspectral reflectance-based water stress analysis of irrigated cotton in semi-arid regions of India |

LUNCH: 13.00 to 14.00

CONCURRENT SESSIONS 5-8: 14.00 to 15.30 hrs.

| Session-5: ICGI -1. Chair: Balasubramani | Session-6: Breeding-1. Chair: Shadman Namazov | Session-7: Canopy and HDPS: Felix Sawadogo | Session-8: Fibre quality: Rinat Gulyayev |
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| SAMARKHAND | KHIVA | BOARD ROOM | DOME HALL (French & Uzbek Interpretation) |
| Khezir Bhatti - Genotyping-by-Sequencing (GBS) based Mapping for Fiber Quality in a Global Germplasm Collection of Upland Cotton | Shreekant Patil - Blending breeding approaches of self-pollinated and random mating crops for efficient genetic improvement in cotton | Charudatta Mayee - Technology Demonstration of High-Density Planting of Bt cotton on Shallow Soils under Rainfed Situation in Vidarbha region of Maharashtra, India | Marinus van der Sluijs - Preliminary Investigation into the Effect of Priming Defoliation on Cotton Yield and Fibre Quality |
| Asif Iqbal - Comparative transcriptome and co-expression analysis reveals key genes and pathways regulating nitrogen use efficiency in cotton genotypes | Khethani Mhelembe - A revised cotton breeding programme in South Africa | MV Venugopalan - Planting date and plant density effects on the performance of contemporary Asiatic diploid cotton (<i>Gossypium arboreum</i> L.) genotypes on rainfed Vertisol and Inceptisol. | Brou Julien Kouakou - Influence of the impurity level of seed cotton on the ginning yield and the technological characteristics of the fiber in Côte d'Ivoire |
| Amanda Hulse-Kemp - The latest community-based genotyping resource - Introducing the CottonSNP30K array | Pawan Kulwal - Applications of Hyperspectral Imaging: New Dimensions to Cotton Breeding | Kalim Khan - Impact of Earliness, Flowering Time and Plant Design on Late Sown Cotton Production | Mamadou Togola - Feasibility study: a diagnosis tool for measuring the impact of ginning on cotton fiber quality |

TEA/COFFEE: 15.30 to 16.00

CONCURRENT SESSIONS 9-12: 16.00 to 18.00 hrs.

| Session-9: ICGI-2. Chair: Mirzakamol Ayubov | Session-10: Breeding-2. Chair: Yusuf Zafar | Session-11: Farm Management. Chair: Bhagirath Choudhary | Session-12: Agronomy-1. Chair: Vilas Kharche |
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| KHIVA | SAMARKHAND | BOARD ROOM | DOME HALL (French & Uzbek Interpretation) |
| Xiyan Yang - Exploration and application of molecular breeding system for drought resistance of cotton | Guoli Song - Cotton pedigree genome reveals restriction of cultivar-driven strategy in cotton breeding | Kater Hake - Why Do We Need So Many Pesticides? - Communicating Needs with Regulatory Agencies | Shahram Nowrouzieh - Semi-mechanized cotton harvester machine |
| Furqan Ahmad - Characterization of Strubbelig-Receptor (SRF) gene family related to drought and heat stress tolerance in cotton (<i>Gossypium hirsutum</i> L.) | Saidakbar Rakhmankulov - Use of Biotechnological Methods to Overcome Non-Crossability During Remote Interspecific Hybridisation of Cotton. | Usha Rani Joshua - Assessment of Best Farm Practices and Extension Innovations to improve yield in cotton - a pilot study. | Sankaranarayanan Kaliyakonar - Trend analysis of time series precipitation data and its genesis effect on cotton in India |
| Waleed Yehia - estimation of drought tolerance of some cotton genotypes under normal and water stress by using drought tolerance indices. | Jayaprakash Nidagundi - Utility of breeding value based selection in deriving desirable segregants for multiple traits in cotton (<i>Gossypium hirsutum</i> L.) | Nazife Özkan - The Past, Present and Future of Colored Cotton and the Studies Carried out (<i>Gossypium hirsutum</i> L.) in Turkey. | Ghorban Ghorbani Nasrabad - The effect of different planting dates and irrigation methods on quantitative properties and water productivity of cotton cultivation |
| He Shoupu - Identification of a Major Locus Controlling Plant Height in Upland Cotton | Fang Liu - Wide incomplete lineage sorting and introgression shape a cotton radiation | Adoni Ginnusreenivas - Role of different pheromone formulations for area wide management of pink bollworm, <i>Pectinophora gossypiella</i> (Saunders) | Simin Sun - Cotton root configuration typing and cotton root plasticity development under drought resistance |

5 OCTOBER 2024

PLENARY SESSION-2: 9.00 to 11.00 hrs.

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| PLENARY SESSION: Chair- CD Mayee | Zabardast Buriev - From Genomics to Innovation: Developing the Next Generation Stress-Resistant Cotton Varieties | Allan Williams – The definition of sustainable cotton: who decides? | Jean Louis Belot - Beyond Genes: Exploring the Limits of Genetic Solutions in Nematode Resistance, Fiber Quality, & Seed Health |
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CONFERENCE HALL, RADISSON BLU

TEA/COFFEE: 11.00 to 11.30

CONCURRENT SESSIONS 13-16: 11.30 to 13.00 hrs.

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| Session-13: ICGI Joint session-2. Md. Tehseen Azhar | Session-14: Climate Change-1. Chair: Md. Negm | Session-15: Entomology-1. Chair: YG Prasad | Session-16: Molecular Pathology-1. Chair: Xianlong Zhang |
| SAMARKHAND | DOME HALL (French & Uzbek Interpretation) | BOARD ROOM | KHIVA |
| John Yu - Lessons learned from cotton genomics and molecular genetics | Edward Gérardeaux / Aboua charlemagne - What kind of cotton ideotype is adapted to agroecological systems and climate change in Benin? | Satish Kumar Sain - Selection of novel entomopathogenic fungi to manage <i>Bemisia tabaci</i> under integrated and organic cotton cultivation systems | Akhtar Ali - Diversity of CLRDV and other new viruses of cotton in the Southwestern United States |
| Guanjing Hu - Genetic diversity and evolutionary history of truly wild upland cotton | Muhammad Iqbal - Comparative assessment of okra and non-okra leaf cotton (<i>Gossypium hirsutum</i> L.) genotypes for drought tolerance | Rishi Kumar - Effects of Basal Exposure to Extreme Temperatures on Survival and Reproduction of Whitefly, <i>Bemisia tabaci</i> (Gennadius) | Judith Brown - Genome characterization, phylogeny, and predicted divergence time of Cotton leafroll dwarf virus isolates |
| Peng Chee - A reference genome sequence of GA230 | Vilas Kharche - Climate Resilient Technologies for Sustainable Cotton Production under Rainfed Agricultural System | Satnam Singh - Whitefly, endosymbionts and Cotton leaf curl virus: Understand the intricacies beyond transmission | Surender Verma - CLCuD Resistance in American cotton: Breeding materials and Mapping populations evaluated |

LUNCH: 13.00 to 14.00

CONCURRENT SESSIONS 17-20: 14.00 to 15.30 hrs.

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| Session-17: ICGI-3. Chair: Zabardast Buriev | Session-18: Breeding-3. Chair: Ghulam Sarwar | Session-19: Climate Change-2. Chair: Khalid Schuman | Session-20: Molecular Pathology-2. Chair: Judith Brown |
| BOARD ROOM | SAMARKHAND | DOME HALL (French & Uzbek Interpretation) | KHIVA |
| Muhammad Akbar - In silico and expression analysis of sucrose synthase-like gene in interspecific lines and tri-Gossypium species | Malokhat Khalikova - Changes of Genetic Homogeneity of Cotton Varieties During Individual Selection in Combination With Self-Pollination. | Srinivasulu Ale - Potential Impacts of Climate Change on Cotton Production in the High Plains and Rolling Plains of Texas | Wangzhen Guo - Identification and functional analysis of key genes involved in cotton-Verticillium dahliae interactions and their breeding utilization |
| Qingying Meng - Pangenome analysis reveals yield- and fiber-related diversity and interspecific gene flow in <i>Gossypium barbadense</i> L. | Khizer Baig - Genetic improvement of desi cotton (<i>Gossypium arboreum</i>) for yield & fibre quality traits through interspecific hybridization | Muhammad Umar Iqbal - Improving Soil Health and Mitigating Climate Change by the Application of <i>Trichoderma</i> Culture in Cotton | Longfu Zhu - The molecular mechanism and germplasm innovation of cotton resistance to soil-borne fungal pathogens, <i>Fusarium oxysporum</i> and <i>Verticillium dahliae</i> |
| Fakhriddin Kushanov - Exploiting Uzbek Gossypium Germplasm Resources for Upland Cotton Improvement | Jing Yang - Analysis of anther heat tolerance genes mapping and molecular functional in <i>Gossypium barbadense</i> L. | Ghulam Sarwar - Cotton production challenges in Pakistan under climate change Scenario; A Review | Jun Zhao - Mapping of <i>Verticillium</i> wilt resistance genes in cotton using Chromosome segment introgression lines |

TEA/COFFEE: 15.30 to 16.00

CONCURRENT SESSIONS 21-24: 16.00 to 18.00 hrs.

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| Session-21: ICGI-4. Chair: Marc Giband | Session-22: Breeding-4. Chair: Sreekanth Patil | Session-23: Water Management. Chair: Marcelo Paytas | Session-24: Biochem & Physiology. Chair: Vijay Kumar |
| BOARD ROOM | DOME HALL (French & Uzbek Interpretation) | SAMARKHAND | KHIVA |
| Shahid Mansoor - Use of genetic engineering, genomics, genome editing, and phenomics for sustainable cotton production | Abdul Soomro - Pakistan has Successfully Developed Drought, Insect Pest Resistant and Climate Resilient Cotton Cultivars | Mirzoolim Avliyakov - Cotton Irrigation Scheduling Improvements Using Wetting Front Detectors in Uzbekistan. | Dayong Zhang - The GhMIEL1-GhMYB66 transcriptional cascade regulates GhLOG5-mediated cytokinin metabolism contributing to root development for drought response in cotton |
| Zhenzhen Xu - Genome sequence of <i>Gossypium anomalum</i> facilitates interspecific introgression breeding | Wajid Ali Jatoti - North Carolina Design-II Analysis for Estimating Combining Ability Analysis for Earliness, Yield and Fiber Traits of Cotton (<i>Gossypium hirsutum</i> L.) Genotypes. | Dilbar Tungushova - Drip irrigation of cotton in saline soils of Karakalpakstan | Ilyos Normamatov - The Influence of Salt Stress on Morphological Traits of Cotton |
| Xiaoguang Shang - Identifying and functional characterization of key genes for fiber development | Emmanuel Sekloka - Cotton Breeding Strategies in West and Central Africa: Challenges and Perspectives. Dilip Kumar Patil - Heterotic pools in <i>Gossypium hirsutum</i> cotton | Sanjay Kakade - Yield Maximization in <i>Bt</i> cotton through split application of nutrients and canopy management practices under drip irrigation | Muhammad Tehseen Azhar - Assessment of physiological and biochemical assays in <i>Gossypium hirsutum</i> under salt stress |
| Wuweie Ye - Identification of salinity- and drought-tolerant germplasm and innovation of tolerant cotton varieties | Basavaraj Biradar - Predominant Gene Effects for Fibre Elongation in Levant Cotton (<i>Gossypium herbaceum</i>) | Borhan Sohrabi-Moshkabadi - Evaluating of cotton water consumption in northern of Iran | Saidgani Nabiev - Physiological indicators in plants of colored fiber cotton (<i>G.hirsutum</i> L.) |

6 OCTOBER 2024

PLENARY SESSION-3: 9.00 to 11.00 hrs.

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| PLENARY SESSION: Chair- John Yu | Keerti Rathore - CRISPR-mediated Gene Knockout versus RNAi-mediated Gene Silencing in Cotton: A Hammer versus a Screwdriver | Bruno Bachelier - Ecological Intensification in Cotton Farming - Focus on African situation | Yenumula Gerard Prasad - Remote sensing applications in cotton farming |
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AMIR TEMUR HALL, INTERNATIONAL HOTEL

TEA/COFFEE: 11.00 to 11.30

CONCURRENT SESSIONS 25-28: 11.30 to 13.00 hrs.

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| Session-25: ICGI Joint session-3. Chair: Shukhrat Shermatov | Session-26: Agronomy-2. Chair: Ghorban Ali Roshani | Session-27: Traceability. Chair: Marinus Van der Sluijs | Session-28: IPM. Chair: Shasikant Udikeri |
| SAMARKHAND | DOME HALL (French & Uzbek Interpretation) | BOARD ROOM | KHIVA |
| Shuangxia Jin - Development of Multiplex Genome Editing Tools and Their Application for Cotton Molecular Breeding | Kouadio EmmanuelN'Goran - Supporting cotton productivity in Côte d'Ivoire through agronomic interventions | Mohamed Negm - Recent advances in Traceability Technologies | Sally Taylor - Supporting sustainable insect pest management practices in U.S. cotton |
| Jing Yu - CottonGen: A Central Data Repository and Analysis Resource for Cotton Research and Crop Improvement | Jagdish Arora - Effect of Agronomic Practices on the Yield of <i>Bt</i> Cotton Hybrids under different pest scenarios | Suzan Sanad - Using Natural Biomarker to Authenticate the Textile Cotton Materials | Kaitlyn Bissonnette - Challenges Facing U.S. Cotton Production: A Focus on Pathogens and Nematodes. |
| Grant Billings - The Cotton Historical Lines Project: Genome Changes Over Time | Aditi Agrawal - Agronomic Interventions for Sustainable Weed Management in Cotton | Rinat Gulyaev - Homogenization of cotton fiber lots using a permanent bale identification system and software tools | Khalid Abdullah - Integrated management of cotton mealybug, <i>Phenacoccus solenopsis</i> Tinsley (Sternorrhyncha: Pseudococcidae) under semi-field and field conditions |

LUNCH: 13.00 to 14.00

CONCURRENT SESSIONS 29-32: 14.00 to 15.30 hrs.

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| Session-29: ICGI-5. Chair: Akhtar Ali | Session-30: Breeding-5. Chair: Emmanuel Sekloka | Session-31: Regenerative Agriculture. Chair: Nalayini | Session-32: Novel Technologies. Chair: Tohir Kuliev |
| BOARD ROOM | DOME HALL (French & Uzbek Interpretation) | SAMARKHAND | KHIVA |
| Weixi Li - GhMPK9-GhRAF39_1-GhWRKY40a regulates the GhERF1b- and GhABF2-mediated pathways to increase cotton disease resistance | M.R. Ramazani Moghaddam - Genetic Improvement of Iranian Endemic Cotton Varieties (<i>Gossypium herbaceum</i>) Through Hybridization with Exotic Germplasm (<i>G. arboreum</i>) | Wasudeo Narkhede - Conservation tillage and integrated nutrient management with effect of cotton residue incorporation on yield attributes and productivity of <i>Bt</i> cotton (<i>Gossypium hirsutum</i> L.) | Radha - Enhanced lignin extraction from cotton stalk using ultrasound-assisted ionic liquid method |
| Zulqurnain Khan - Development of Disease Resistance in Plants Using CRISPR/Cas Technology: A Step Forward to Ensuring Food Security | Normuxammad Mamedov - Genetic, Phenotypic and Paratypic Correlations Between Yield and Economic Characteristics of Cotton Grown Under Organic Farming Conditions. | Anum Zahid / Akbar Ali - The Transformative Impact of Regenerative Agriculture on Sustainable Cotton Cultivation: A Case Study | Manoj Kumar - Production of furfural from cottonseed hulls: A sustainable approach for cotton by-product utilization. |
| Dharminder Pathak - Molecular mapping of cotton leaf curl disease and whitefly resistance in upland cotton | Manuel Maleia - Genotype by Environment Interaction, Adaptability and Stability Analysis of Cotton (<i>Gossypium hirsutum</i> L. race latifolium H.) in Northern Mozambique | Arif Hamid Makhdom - From Conventional to Regenerative Farming – A Step Towards Sustainability | Shukhrat Kozubaev - Improving the methodology for preparing elite cotton seeds |

TEA/COFFEE: 15.30 to 16.00

CONCURRENT SESSIONS 33-35: 16.00 to 18.00 hrs.

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| Session-33: ICGI-6. Chair: David Fang | Session-34: Breeding-6. Chair: Farkhod Jumaev | Session-35: Entomology-2. Chair: Khalid Abdullah | Session-36: Natural Resources. Chair: Suzan Sanad |
| SAMARKHAND | KHIVA | BOARD ROOM | DOME HALL (French & Uzbek Interpretation) |
| Meilin Chen - The transcription factor MYB106 regulates anther development in cotton | Vinita Gotmare - Pre-breeding using wild germplasm of <i>Gossypium</i> from USDA in India | Alagarsamy Manivannan - Proteomics of leafhopper (<i>Amrasca biguttula biguttula</i> (Ishida)) resistance in cotton | Firiyza Khasanova - Resource-Saving Technologies for Growing Crops. |
| Marcelo Paytas - Advances and Strategies in Cotton Genetic Optimisation: From molecular innovations to the development of locally adapted materials | Rajesh Patil - A comprehensive approach for breeding high yielding <i>Bt</i> cotton (<i>Gossypium hirsutum</i> L.) varieties and hybrids suited for specific growing situations | Shivanand Hanchinal - The coexistence of two gelechiid species, <i>Pectinophora gossypiella</i> and <i>Pexicopia tung-abhadrai</i> , on Indian mallow (<i>Abutilon indicum</i> L.) | Sandhya Kranthi - Sustainable Soil Health: The Surge of the ICAC Open-Earth-Cone-Pit Biochar and Bokashi Composting Methods Among Smallholder Farmers in Africa and India |
| Uzma Qaisar - Involvement of transcription factors in the drought tolerance of diploid and tetraploid varieties of cotton | Balasubramani Ganesan - Segregation of <i>Bt</i> genes in Cotton and development of Pink Boll worm resistance | Syed Zaka - Biological parameters of <i>Dysdercus koenigii</i> (F.) after temperature fluctuation. | Otabek Kadirov - The usage of water-saving & resource-saving technologies in the preparation of elite cotton seeds |
| Baghyalakshmi Kari - A Multi-model Stability Analysis Employing AMMI and BLUP-Based Simultaneous Selection for <i>Gossypium barbadense</i> Genotype Yield Stability | | | |

7 OCTOBER 2024

POSTER SESSION (PRESENTATION & EVALUATION FOR BEST POSTER PRIZES): 9.00 to 12.00 hrs. (Tea/Coffee Break 10-30 to 11.00)

| CROP PRODUCTION RESEARCH | CROP PRODUCTION RESEARCH | CROP PROTECTION RESEARCH | MOLECULAR BIOLOGY AND GENOMICS |
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| Akbar Shaik Mohammed - Biodegradation of gossypol in cottonseed meal using gut bacteria isolated from cotton bollworm, <i>Helicoverpa armigera</i> (Hubner) | Periyakaruppan Nalayini - Will cotton win over weeds during changing climate? | Antonio Chamuene - Investigating the Natural Mortality of <i>Aphis gossypii</i> (Hemiptera: Aphididae) on Cotton Crops in Tropical Regions Using Ecological Life Tables | Amudha Jagannathan - Introgression of QTL-hotspot region enhances drought tolerance in Cotton genotypes. |
| Catherine Bottrill - Designing a Biodiversity Enhancement Strategy for Better Cotton | Saidakbar Rakhmankulov - Heterosis and its Physiological Aspects | Gulsar Banu - Molecular characterization of native entomopathogenic nematode-bacterial complex (<i>Steinernema siamkayai-Xenorhabdus stockiae</i>) and chemoprofiling of secondary metabolites of <i>X.stockiae</i> for... | Asiya Asiya Safiullina - Genomic Insights into Fiber Quality: Candidate Genes in <i>Gossypium hirsutum</i> L. |
| Dilbar Rashidova - Introduction of Organic Farming in Uzbekistan | Saidgani Nabiev - Physiological indicators in plants of colored fiber cotton (<i>G.hirsutum</i> L.) | Houphouet Kouadio - Molecular identification of leafhoppers present on okra, eggplant and cotton in the cotton basin: metataxonomy and barcoding | Bakhtiyor Rakhmanov - Metabolic engineering of cotton (<i>G. hirsutum</i>) for artemisinin synthesis |
| Djamaliddin Shadmanov - Effect of Irrigation Scheduling, Fertilizer Rate and Plant Density on The Root System of Cotton Varieties | She Men - Expansin-like A binds to pectin via electrostatic forces during plant cell wall loosening | Jodi Scheffler - Caulimovirid-like sequences in upland cotton (<i>Gossypium hirsutum</i> L.) and related species | Bhausheeb Pawar - Generation of Insect-Resistant Tri-Species Hybrids in Cotton via Embryo Rescue Techniques |
| Elham Faghani - Memory drought stress mechanisms on seed storage of cotton (<i>Gossypium hirsutum</i>) | Suneel Kareekatti - Effect of mepiquat chloride on yield, fibre quality and biochemical constituents in cotton | M.R. Ramazani Moghaddam - Detection of Fusarium contamination in seed of some Iranian cotton cultivars | Chunyang Zuo - Relative expression patterns of laccase gene family members in upland <i>Gossypium hirsutum</i> L. |
| Guy Collins - Evaluation of Last Effective Bloom Dates of Cotton In North Carolina | Surayyo Negmatova - Improving Cotton Row Processing Technology for Increasing Cotton Yield | M.R. Ramazani Moghaddam - Influence of seed treatment with insecticide at different temperatures on germination & development of upland cotton cultivars (<i>G. hirsutum</i>) | Dilshod Usmanov - The downregulation of small RNA Gh_sRNA5dpa12 enhances yield and lint percentage in cotton (<i>Gossypium hirsutum</i> L.) |
| Jaloliddin Shavkiev - Multivariate analysis of cotton genotypes based on assessment for drought tolerance upland cotton cultivars | Suresh Hallikeri - Evaluation of cellulose and C-SAP (cellulosic Superabsorbent Polymer) in cotton | Malanno Kouakou - Efficient dose of thiamethoxam as a seed treatment product to reduce early damage of cotton leafhoppers <i>Amrasca biguttula</i> (Hemiptera: Cicadellidae) in Côte d'Ivoire | Dongyu Zuo - GhUBC10-2 mediates GhGSTU17 degradation to regulate salt tolerance in cotton (<i>Gossypium hirsutum</i>) |
| M.R. Ramazani Moghaddam - Enhancement of cotton seed germination under salinity stress using priming | Suresh Hallikeri - Multi-tier cropping system to enhance resource utilization, profitability and sustainability of Bt cotton (<i>Gossypium hirsutum</i>) production system | Megha Parajulee - Early Season Insect Pest Management in Deficit-Irrigation Cotton Production System | Jing Yang - Identification of high temperature tolerance genes and molecular functions by GWAS analysis in <i>Gossypium barbadense</i> |
| Manoj Kumar Puniya - Genome editing in yeast for the sustainable conversion of cotton lignocellulosic biomass into xylitol | Susanna Jessica Beryl Joshua - Coptic Textiles and Cotton Fibre – A Systematic Review | Mingyu Qing - A GhLac1-centered transcriptional regulatory cascade mediates cotton resistance to <i>Verticillium dahliae</i> through the lignin biosynthesis pathway | Linjie Xia - Evolution and functional divergence of CIPK6 subfamily genes in regulating drought resistance in cotton |
| Marcelo Paytas - Agroecological cotton production in Argentina as a socioeconomic and eco-friendly alternative | Tyson Raper - Reevaluation of the degree day base 60°F concept in US cotton (<i>Gossypium hirsutum</i> L.) production | Poomima Matti - Evaluation of sequential sprays of novel molecules for management of pink bollworm, <i>Pectinophora gossypiella</i> (Saund.) in Bt Cotton | M.R. Ramazani Moghaddam - Expression pattern analysis of Na ⁺ /H ⁺ antiporter from cotton in response to salt stress |
| Marcelo Paytas - Climate change and sustainable cotton production: Climate-Smart Agriculture as a multifaceted approach | Ulavayya Shanwad - Bt-Cotton performed better in closer spacing as compared to HDPS in medium deep soils under rainfed situations in Peninsular India | Shokhruz Nazarov - Revealing and Identification of Cotton Leaf Roll Dwarf Virus in Uzbekistan | M.R. Ramazani Moghaddam - Intra and interspecific Genetic diversity for salinity tolerant traits and symptoms among cultivated <i>Gossypium</i> species |
| Mohamed Abdelwahab - Nanotechnology Utilization for Characterization of Nano-Crystalline Cellulose Extracted from Upland and Egyptian Cotton and their Environmental Applications in Technical Textile | Yaser Esmailian - Green manure; an effective agronomic strategy for the success of cotton cultivation in dry climate | Venkatesh Kulkarni - Detection and Management of Seed Borne Diseases of Bt Cotton | Mukhammadjon Mirzakhmedov - Development of a haploid-inducer mediated genome editing system for accelerating cotton (<i>Gossypium hirsutum</i>) breeding |
| Omprakash Rakhonde - Impact of crop residue recycling under cotton based intercropping systems on soil health and productivity of cotton in Vertisols | Yaser Esmailian - Investigating the cropping system benefits of cotton-sesame intercrop | Venkatesh Kulkarni - Mapping out the causal Agents, based on Morphological and Molecular characterization of boll Rot Complex pathogens affecting cotton in Karnataka | Murod Rakhmankulov - Cell Breeding of Cotton for Salt Tolerance |

7 OCTOBER 2024

POSTER SESSION (PRESENTATION & EVALUATION FOR BEST POSTER PRIZES): 9.00 to 12.00 hrs. (Tea/Coffee Break 10-30 to 11.00)

| MOLECULAR BIOLOGY AND GENOMICS | PLANT BREEDING AND GENETICS | PLANT BREEDING AND GENETICS | PLANT BREEDING AND GENETICS | PLANT BREEDING AND GENETICS |
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| Peng Wu - A male-sterile mutant with necrosis-like dark spots on anthers was generated in cotton | Abdul Razzaq - Cotton Improvement for Heat Tolerance Using Multiple Stress Tolerance Indices And Multivariate Analyses | M.R. Ramazani Moghaddam - Genetic diversity utilization of interspecific hybridization of commercial upland and <i>G. barbadense</i> cultivars | Saida Egamberdieva - Evaluation of cotton lines obtained with the participation of introgressive forms in various soil and climatic conditions of Uzbekistan | Shukhrat Bobokhujayev - Features introgression of cotton chromosomes <i>G. barbadense</i> L. into the genome of <i>G. hirsutum</i> L. in different backcross hybrids |
| Sharofiddin Abdulkarimov - Importance of chromosome-substitution lines | Abdullahat Azimov - Effect of morpho-yield traits of plants when the seeds of colored cotton genotypes were treated with different doses of 60Co-γ-ray radiation | Mahesh Birla - Exploiting broad based heterotic groups of cotton for increasing performance of cotton hybrids under organic conditions | Sevara Arslanova - Obtaining allotetraploids (A1A1G2G2) in Australian and Afro-Asian cotton species and transferring valuable genes to Upland cotton. | Viktor Avtonomov - Selection of early maturing genotypes of the <i>G. hirsutum</i> L. cotton |
| Shukhrat Shermatov - Increasing the level of suberin in cotton (<i>G. hirsutum</i>) tissues through genetic engineering | Abdulqaxxor Toshpulatov - Use of <i>G. mustelinum</i> Miers. Watt. (AD4), <i>G. darwinii</i> Watt (AD5) tetraploids in improving salinity tolerance of Upland cotton | Merdasa Balcha - Cotton Breeding in Ethiopia: Retrospective achievement of the past 30 years | Shadman Namazov - Efficacy of Different Intra- and Interspecific Hybridization Methods for Improving of Cotton Fiber Quality. | Xinlian Shen - Development of a set of monosomic alien addition lines from <i>Gossypium raimondii</i> in <i>Gossypium hirsutum</i> toward breeding applications in cotton |
| Wangzhen Guo - Cotton GhMYB4 negatively regulates fiber cell elongation by repressing the transcription of GhLTP4 and GhSWEET12 | Azam Ravshanov - New Early Maturing Cotton Variety S-6302 | MukhtorDarmanov - RNA interference of PHYA1 gene improves fiber quality parameters in Upland cotton | Shahnaz Memon - Estimation of Heritability and Correlation Analysis for Quantitative and Qualitative Trait in American Cotton Genotypes | Xiubao Hu - Genetic regulation of gene expression by genomic infiltration during allotetraploid cotton fiber development |
| Xiangqian Zhu - Single-cell resolution analysis reveals the preparation for reprogramming the fate of stem cell niche in cotton lateral meristem | Dilrabo Ernazarova - The Role of Polyploidy in Cotton Breeding | Nogbou Ferdinand Amangoua - Preservation of genetic diversity in the genus <i>Gossypium</i> in Côte d'Ivoire : survey and collection of traditional cotton forms | Shahnaz Memon - Phenotypic correlation and heritability estimates in <i>Bt</i> and non- <i>Bt</i> cotton genotypes | Yabin Peng - Genome-wide association study and transcriptome analysis reveal key genes controlling fruit branch angle in cotton |
| Xiao Zhang - The GhMYB61-GhMYB3-Gh-KNAT7 complex regulate the deposition of secondary cell wall in cotton fiber | Hafiz Imran - Genetic Analysis of Physiological Attributes Under Two-Water Regime in <i>Gossypium hirsutum</i> L. | Nurali Chorshanbiev - Inheritance of morpho-economic traits in fine-fiber cotton varieties | Shavkat Amanturdiyev - Influence of Nano-preparations Based on Chitosan <i>Bombyx Mori</i> on The Growth, Development and Yield of Cotton | Yechiel Tal - Utilizing Genic-Cytoplasmic Male Sterility System in Seed Production of Inter-Specific (ISH) F1 Hybrid Cotton – Using Bee Pollination |
| Yaxin Wang - Cotton bollworm (<i>H. armigera</i>) effector PPI5 targets and inhibits cyclophilin GhFKBP17-2 PPIase and endoplasmic reticulum-mediated immunity to modulate plant JA responses and promote insect feeding | Inam Jatoi - Phenotypic correlation and heritability estimates in <i>Bt</i> and non- <i>Bt</i> cotton genotypes | Peng Wu - Genome-wide association study discovered candidate genes of Rhizoctonia solani Kuhn resistance in upland cotton (<i>Gossypium hirsutum</i> L.) | Shraddha Tiwari - Cotton Speed Breeding For Accelerating Genetic Gain | Yashin Babayev - Genetic bases of breeding of early maturing, low-foliage cotton varieties with high resistance to diseases capable of providing ecological conditions of conditions of the Republic of Uzbekistan. |
| Xiongming Du - Multi-omics identifies two homologous MYB genes regulating key metabolites and agronomic traits in upland cotton | Kuvandik Khalikov - Identification of genes responsible for fiber color in Upland cotton (<i>G. hirsutum</i> L.). | Renat-Nazarov - Scientific Potential of Cotton Breeding | Surendra Deshmukh - Elite Cotton Varieties Thrive Organically: A Morphological and Molecular Exploration | |

LUNCH: 12.00 to 13.00 hrs.

WORLD COTTON DAY CELEBRATIONS / COMPETITIONS: 13.00 to 15.30 hrs.

TEA/COFFEE: 15.30 to 16.00 hrs.

ICRA GENERAL BODY MEETING & EC ELECTIONS: 16.00 to 17.00 hrs.

PRIZE DISTRIBUTION AND CLOSING CEREMONY: 17.00 to 18.00 hrs.