

9TH EDITION OF
GLOBAL CONFERENCE ON

PLANT SCIENCE AND MOLECULAR BIOLOGY

*Roots to Shoots: Unveiling the Hidden
Potential of Plant Life*



Our OCMs



RAJNISH KHANNA
Carnegie Institution for Science at
Stanford University, and i-Cultiver,
Inc., United States



HIT KISHORE GOSWAMI
Barkatullah University,
India



**VIJAYAN GURUMURTHY
IYER**
Bihar Institute of Public
Administration & Rural
Development (BIPARD) India

Scientific TOPICS

- Plant Biotechnology
- Plant and Environment
- Phytochemical Analysis
- Microbiology and Phycology
- Plant Sciences and Research
- Plant Pathology and Mycology
- Plant Nutrition and Soil Sciences
- Bryology and Pteridology
- Plant Anatomy and Morphology
- Plant Science: Antibodies, Antigens and Antibiotics
- Plant Metabolic Engineering
- Plant Hormones
- Plant Genetics and Genomics
- Plant Tissue Culture
- Plant Neurobiology
- Sensing and Signalling in Plant Stress Response
- Forest Science and Silviculture
- Horticulture and Floriculture



16-18
SEP 2024



Rome, Italy

Hybrid Event



Contact us: Email: plant-science@magnusconference.com | Website: <https://plant-science-biology-conferences.magnusgroup.org/>

Phone: +1 (702) 988-2320 | **Whatsapp:** +1 (779) 429-2143

TENTATIVE PROGRAM

Keynote Presentations

Rajnish Khanna Carnegie Institution for Science at Stanford University, and i-Cultiver, Inc., United States	Title: Mind the gaps between innovation and impact: Critical research to validate product claims for the future of a productive, nutritious, and globally sustainable food system.
Hit Kishore Goswami Barkatullah University, India	Title: Modern taxonomic assessments should be based on poly-trait diagnostic approach, rather than only on molecular investigations
Vijayan Gurumurthy Iyer Bihar Institute of Public Administration & Rural Development (BIPARD) India	Title: Importance of plant science and molecular biology for the sustainable seed-cotton (or kapas) development
V A Dragavtsev Federal State Budgetary Scientific Institution, Russian Federation	Title: Importance of plant science and molecular biology for the sustainable seed-cotton (or kapas) development

Oral Presentations

Avilash Singh Yadav Cornell University, United States	Title: Growth directions and stiffness across cell layers determine whether tissues stay smooth or buckle
Bahareh Sadat Haddadi Aberystwyth University, United Kingdom	Title: Metabolite and transcriptome profiling reveals drought adaptive strategies in the orphan African cereal, Tef (<i>Eragrostis tef</i>)
Kakha Nadiradze Association for Farmers Rights Defense, AFRD, Georgia	Title: Plants biotic and abiotic stress in terms of climate change
Monia Anzooman The University of Queensland, Australia	Title: Enhancing crop tolerance in sodic soils: Insights from wheat genotype responses
Dalila Trupiano University of Molise, Italy	Title: Shoot and root omics signature in phytostabilization and hyperaccumulation model plants
Alessandra Renella University of Molise, Italy	Title : Metabolomic characterization of autochthonous legume ecotypes
Ana P G C Marques CBQF/ESB-UCP, Portugal	Title: What is the part of the microorganisms living in the rhizosphere of plants in reducing hazardousness in phytoremediation strategies for soils contaminated with toxic metals
Marouane Ben Massoud University College Cork, Ireland	Title : Effect of exogenous treatment with nitric oxide (NO) on redox homeostasis in barley seedlings (<i>Hordeum vulgare</i> L.) under copper stress
Leticia Povilauskas Universidad Nacional de La Plata, Argentina	Title: Diatomological analysis in cases of death by submersion

TENTATIVE PROGRAM

Rahil Ummar Faruk Abbu Manipal Institute of Technology, India	Title: Evaluation of telomerase inhibiting phytochemicals isolated from <i>Blumea eriantha</i> for cancer treatment
Jatin Kumar Central University of Punjab, India	Title: Epiphytic fungi associated with seaweeds, their economical importance and future prospects
A P Lipton Malankara Catholic College, India	Title: Marine angiosperms as potential sources for symbiotic bacteria and phytochemical leads for controlling common storage pests and mosquito larvae with special reference to tropical sea grasses <i>Halodule pinifolia</i> and <i>Syringodium isoetifolium</i> .
Rahul Chillawar Yeshwant Mahavidyalaya Nanded Department of Botany, India	Title : Identification phytochemical investigation and ethanobotanical study of <i>Vitex negundo</i> L
Padmaja Rai Motilal Nehru National Institute of Technology Allahabad, India	Title : Iron oxide nanoparticles confer cross-tolerance to arsenate-induced stress in rice roots by engaging nitric oxide
V Duraipandiyan Loyola College Chennai, India	Title : Plant molecules used as mosquitoecidal agent
Shulabhi Verma Sardarkrushinagar Dantiwada Agricultural University, India Title : Changes induced by <i>Macrophomina phaseolina</i> in the protein profile of castor	Title : Plant molecules used as mosquitoecidal agent
Resmi L University of Calicut, India	Title: Assessment of genetic diversity in banana cultivars from India
Amal Ghosh Indian Agricultural Research Institute (Indian Council of Agricultural Research), India	Title: Conservation agriculture for sustainable production in the maize-wheat system -- towards future commitment to the global food basket
Shulabhi Verma Sardarkrushinagar Dantiwada Agricultural University, India	Title: Changes Induced by <i>Macrophomina phaseolina</i> in the protein profile of castor
Rahul Chillawar Yeshwant Mahavidyalaya Nanded Department of Botany, India	Title: Identification phytochemical investigation and ethanobotanical study of <i>Vitex negundo</i> L.
Madhu Raina University of Delhi, India	Title: Post-zygotic self-incompatibility in <i>Kigelia pinnata</i> (Jacq.) DC. (Bignoniaceae)
V.Duraipandiyan Loyola College, Chennai, India	Title: Plant molecules used as mosquitoecidal agent
Amrit Bharti Panjab University, India	Title: Arbuscular Mycorrhiza and Salicylic acid Co-Synergism: Potential biological tool in amelioration of salt stress in chickpea (<i>Cicer arietinum</i> L.) genotypes

TENTATIVE PROGRAM

Jatin Kumar Central University of Punjab, India	Title : Epiphytic fungi associated with seaweeds, their economical importance and future prospects
Rahil Ummar Faruk Abbu Manipal Institute of Technology, India	Title : Evaluation of telomerase inhibiting phytochemicals isolated from blumea eriantha for cancer treatment
Moumita Roy Chowdhury Koneru Lakshmaiah Education Foundation, India	Title : Genome - wide prediction of microRNAs and long non-coding RNAs and their interaction in Hordeum vulgare
Merve Seven Bahcesehir University, Turkey	Title : Pectins: Transcriptomic analysis of genes involved in their synthesis and modifications during barley seedling development
Mehtap Adyin Yeditepe University, Turkey	Title : Analyses of (1,3;1,4) Glucan synthesis during barley coleoptile growth
Yasmin Shameem UAE University, United Arab Emirates	Title: Grey water as a potential, energy efficient solution for diverse water requirements of the UAE: Insights from research involving grey water for irrigating selected fodder crops of the UAE.
Durlave Roy Bangladesh Open University, Bangladesh	Title: Studies on the use of locally available (Coxs Bazar and Saint Martin) renewable seaweed wastes as compost organic fertilizer resources
Yu Cheng Xiang Agricultural University, China	Title : Growth phenotyping and transcription profiling revealed a novel tobacco germplasm with certain core genes in response to a short-term phosphorus nutrient deprivation.
Audrey Le veve Charles University, Prague, Czech Republic	Title: Implication of the population epigenomic diversity on the adaptation of a plant clonal species
Sama Rahimi Devin Shiraz University, Iran (Islamic Republic of)	Title : Permaculture and agriculture
Azim Ghasemnezhad Gorgan University of Agricultural Sciences and Natural Resources, Iran (Islamic Republic of)	Title : Endophytes of plants in desert regions are suitable tools for cultivating medicinal plants under saline conditions
Dawa Mendez Alvarez Forest Research and Services Institute, National University, Costa Rica	Title : Standardization of a microsatellite PCR protocol for enterolobium cyclocarpum populations in Costa Rica.
Faten Fouad Raad Lebanese University, Lebanon	Title : Dietary exposure to pesticide residues from fresh fruits and vegetables in Lebanon
Kurbonali Institute of Botany, Plant Physiology and Genetics of National Academy of Sciences of Tajikistan, Tajikistan	Title: Improving the use of land resources in Tajikistan by optimizing the choice of crops using the example of jerusalem artichoke (Helianthus Tuberosus L.)

TENTATIVE PROGRAM

Samson Tsegaye Mekasha Addis Ababa University, Ethiopia	Title: Geospatial modeling of forest cover dynamics and impact on climate variability in Awi Zone, Ethiopia
Emmanuelah Lekete Lawson Council For Scientific and industrial research (CSIR), Ghana	Title: Implementation of artificial inoculation test to screen Ghana sumatra oil palm progenies for their level of resistance/ tolerance to Basal Stem Rot (BSR) disease
Samson Nankone Centre National de la Recherche Scientifique et Technologique (CNRST), Burkina Faso	Title : Taxonomic study and ecology of polypores of the family Laetiporaceae in western Burkina Faso

Oral presentation slots are available !!

Poster Presentations

Sehar Khushal Plant lab, Sant Anna Pisa, Italy	Title : Potential role of exogenous protectants and rhizobacteria in alleviating heavy metal-induced toxicity in lentil (<i>Lens culinaris medikus</i>)
Jose Wilson Pereira Goncalves Bombeiros, Brazil	Title: Panorama of forest fires in the municipality of humaita based on the inpe hot spots databases from 1998 to 2022
Marcia Aparecida Cezar Federal University of Paraíba, Brazil	Title : Performance of sugarcane seedlings infected with fusarium and treated with the entomopathogen <i>Metarhizium anisopliae</i> .
Carlos Manuel C Eusoya Philippine Science High School Western Visayas Campus, Philippines	Title : Molecular Docking of <i>Muntingia calabura</i> fruit phenols against ESKAP serine-Lactamase enzymes
Juan Pablo Martinez Castillo Instituto de Investigaciones Agropecuarias (INIA-Rayentue), Chile	Title : In vitro micropropagation of a salinity tolerant clonal rootstock issued from interspecific cross between glycophyte <i>Solanum lycopersicum</i> and halophyte <i>Solanum chilense</i>
Padmaja Rai Motilal Nehru National Institute of Technology Allahabad, India	Title: Iron oxide nanoparticles confer cross-tolerance to arsenate-induced stress in rice roots by engaging nitric oxide
Madhu Raina University of Delhi, India	Title : Post-zygotic self-incompatibility in <i>kigelia pinnata</i> (Jacq.) DC. (Bignoniaceae)
Rajendra Darai National Maize Research Program, Nepal	Title: Diversity, conservation, and utilization of grain legumes: A potential source for food and nutritional security in Nepal
Kanlaya Kong Ngern Khon Kaen University, Thailand	Title : Identification of salt responsive proteins in rice leaf sheath (<i>Oryza sativa</i> L.) with nanoliquid chromatography-Tandem mass spectrometry
Tananya Thongdannua Khon Kaen University, Thailand	Title : The effects of microcystin extracts to inhibit root-knot nematodes and growth of khao dawk mali 105 rice and ruzi grass
Wichittra Nachaiyo Khon kaen University, Thailand	Title : The effect of the holy basil (<i>Ocimum sanctum</i> L.) crude extract on the seed germination and growth of khao dawk mali 105, mung beans, ruzi grass and spinach.

TENTATIVE PROGRAM

Kanphitcha Thongkham Khon Kaen University, Thailand	Title : The effects of biochar coating with sodium alginate on nitrogen release and growth of khao dawk mali 105
Londiwe Mabuz South African Environmental Observation Network, South Africa	Title : Title : Targeted modification of the cenH3 gene in sunflower using a tomato yellow leaf curl (TYLCV) viral vector system for the delivery of CRISPR/Cas9 components
Shoula Aboud Kharouf National Commission For Biotechnology, Syrian Arab Republic	Title: Isolation and identification of mycorrhizal fungi associated with roots and soils of different plant hosts in Syria
Mahnaz Abdollahi Agricultural Research, Education and Extension Organization, Iran	Title: Morphological characteristics, biomass, fiber and seed yield of an industrial hemp cultivar and its progenies under different fertilization rates
Bergal Amira University Chadli Bendjedid El Tarf, Algeria	Title: Assessment report of physico-chemical and bacteriological quality of two water sources in the Souarekh region of El Kala North-East, Algeria and its suitability for irrigation
Usman Khalid Chaudhry Pakistan Environmental Protection Agency, Ministry of Climate Change, Pakistan	Title: Transcriptome Analyses of Orange Carrot Lines in Response to Drought Stress

Poster presentation slots are available !!