



The 2nd International Conference on

PLANT & MOLECULAR BIOLOGY

October 23-25, 2019 | Amsterdam, Netherlands

TENTATIVE PROGRAM



KEYNOTE PRESENTATION

TITLE: "THE TOXIC PUBLIC DEBATE ABOUT BIOTECHNOLOGY"

Klaus Ammann, University of Bern, Switzerland

TITLE: "STUDYING LEAF-DERIVED SIGNALLING ON TUBERISATION AND TUBER METABOLOME BY GRAFTING EXPERIMENTS IN POTATO"

Zsófia Bánfalvi, NARIC Agricultural Biotechnology Institute, Hungary

TITLE: "LIPIDS IN PLANT BIOLOGY: HOW CAN WE UNDERSTAND THEIR ROLE BETTER?"

Irina Guschina, Cardiff University, UK

TITLE: "PHOSPHATE TRANSPORT IN MYCORRHIZAS THROUGH FUNGAL P TRANSPORTERS: HOW FAR ARE WE?"

Claude Plassard, University Montpellier, France

ORAL PRESENTATIONS

TITLE: "PLANT SECONDARY METABOLITES AS BIOHERBICIDES IN THE NEAR-FUTURE OF AGRICULTURE"

Adela M. Sánchez-Moreiras, University of Vigo, Spain

TITLE: "MOLECULAR BREEDING IN TEA PLANT: CHALLENGES AND OPPORTUNITIES"

Liang Chen, Chinese Academy of Agricultural Sciences, China

TITLE: "CRISPR-CAS9 IN THE SYNTHETIC BIOLOGY ERA FOR THE EMERGING OILSEED CAMELINA SATIVA"

Jose A. Aznar-Moreno, Universidad Politécnica de Madrid, Spain

TITLE: "MEMBRANE TOPOLOGY AND DUAL LOCALIZATION OF A PROTEIN SWITCH DIRECTING PHOTOSYNTHETIC ELECTRONS"

Lea Vojta, Institute Ruđer Bošković, Croatia

TITLE: "GENOME WIDE SELECTION (GWAS) IN PLANT GENETIC IMPROVEMENT: A COMMON BEAN CASE"

Juliana Morini Kupper, Federal University of Technology- UTFPR, Brazil

TITLE: "GENETICALLY MODIFIED HERBICIDE AND INSECTICIDAL VIP COTTON"

Arfan.Ali, Four Brother Group, Pakistan

ORAL PRESENTATIONS

TITLE: "CHALLENGING CROSSROAD IN VASCULAR PLANT PHOTOSYNTHESIS"

Hrvoje Fulgosi, Institute Ruđer Bošković, Croatia

TITLE: "MAPPING QTLs FOR 15 MORPHO-METRIC TRAITS IN ARABIDOPSIS THALIANA USING COL-0 × DON-0 POPULATION"

Astha Gupta, University of Delhi, India

TITLE: "CRISPR/CAS9 OFF-TARGETS: A DAUNTING CHALLENGE TO PRECISE GENOME TARGETING AND EDITING"

Ashish Srivastava, Amity University Uttar Pradesh, India

TITLE: "THE RELEASE OF SORGOLEONE DURING SORGHUM GROWTH SHAPES THE STRUCTURE OF NITRIFYING MICROBES AND PLAYS A MAJOR ROLE IN SOIL NITRIFICATION INHIBITION BY CONTROLLING THE AMMONIA-OXIDIZING ARCHAEA (AOA)"

Papa Saliou SARR, Japan International Research Center for Agricultural Sciences, Japan

TITLE: "MULTIPLE LIPOYL SYNTHASES ARE CAPABLE OF INCREASING LIPOYLATION LEVELS IN VIVO IN SOLANUM LYCOPERSICUM (TOMATO)"

Michael Handford, Universidad de Chile, Chile

TITLE: "THE GENOME-WIDE ANALYSIS OF THE FLAX (LINUM USITATISSIMUM L.) DIRIGENT PROTEIN FAMILY REVEALS GENES OF UNKNOWN FUNCTION POTENTIALLY INVOLVED IN DIFFERENT ASPECTS OF SECONDARY CELL WALL BIOSYNTHESIS AND PLANT DEFENSE"

Christophe Hano, University of Orleans, France

TITLE: "TEMPORARY IMMERSION BIOREACTORS (BIT®) AND SILVER NANOPARTICLES INCREASE BIOMASS AND PRODUCTION OF NATURAL COMPOUNDS FROM DIFFERENT PLANT SPECIES: CUBAN EXPERIENCES."

Ivan Andújar, University of Ciego de Ávila UNICA, Cuba

TITLE: "SUSTAINABLE STRATEGIES FOR MANAGEMENT OF DISEASES IN ORGANIC RICE IN THE UNITED STATES"

Xin-Gen Zhou, Texas A&M AgriLife Research, USA

TITLE: "A NOVEL ROLE OF ARABIDOPSIS BPM1 PROTEIN IN RNA-DIRECTED DNA METHYLATION"

Lucija Markulin, University of Zagreb, Croatia

ORAL PRESENTATIONS

TITLE: "THE ROLE OF CADMIUM, AN ABIOTIC STRESSOR ON NITROGEN DISTRIBUTION AND ANTIOXIDANT RESPONSE OF VIGNA UNGUICULATA L. (COWPEA) GENOTYPES"

Edokpolor OsazeeOhanmu, Edo University Iyahmo, Nigeria

TITLE: "OVEREXPRESSION OF A MITOGEN-ACTIVATED PROTEIN KINASE SLMAPK3 POSITIVELY REGULATES TOMATO TOLERANCE TO CADMIUM AND DROUGHT STRESS "

Yan Liang, Northwest A&F University, China

TITLE: "OLEORESINS, THEIR USAGE IN FOOD PRODUCTS AND INHIBITORY EFFECTS IN THERMAL PROCESS"

Ahsen Rayman Ergun, Ege University, TURKEY

TITLE: "POWDERY MILDEW REGION CLASSIFICATION IN EARLY STAGES THROUGH CONVOLUTIONAL NEURAL NETWORKS."

María Rico-Fernández, Cinvestav, Mexico

TITLE: "GROWING IN THE DARK: SYNTHESIS OF CAROTENOIDS IN THE CARROT STORAGE ROOT"

Claudia Stange, Universidad de Chile, CHILE

TITLE: "THE SALACIA CHINENSIS L. EXHIBITS ANTIFIBROTIC PROPERTIES IN HEPATIC STELLATE CELL"

Saranyapin Potikanond, Chaing Mai University, Thailand

TITLE: "ELUCIDATING ROLE OF POLLINATION IN THE EXPRESSION OF ETHYLENE BIOSYNTHESIS GENES IN TOMATO (SOLANUM LYCOPERSICUM) "

Saumya Awasthi, University of Cambridge, UK

TITLE: "PLANT NANOBIO TECHNOLOGY: FROM IMPROVING PLANT STRESS TOLERANCE TO CREATING SMART PLANT SENSOR"

Honghong Wu, Huazhong Agriculture University, China

TITLE: "HOW HARNESSING NATURE TO FEED THE PLANET USING MICROBE TECHNOLOGY "

Ellen Noly Barrocas, Indigo Agriculture Brazil

TITLE: "TRANSCRIPTOME CHANGES INDUCED BY SOIL DISTURBANCE AND PRECEDING PLANT SPECIES IN WHEAT (TRITICUM AESTIVUM L.) ROOTS"

Catarina Campos, ICAAM/Universidade de Évora, Portugal

ORAL PRESENTATIONS

TITLE: "META-ANALYSIS OF RNA-SEQ DATA TO GAIN INSIGHT INTO CROP RESPONSES TO ENVIRONMENTAL STRESSES"

Federico Martinelli, Università degli Studi di Firenze, Italy

TITLE: "IDENTIFICATION OF RESISTANT RELATED PHENYLPROPANOID COMPOUNDS AGAINST BACTERIAL BLIGHT OF POMEGRANATE USING METABOLOMICS APPROACH"

Pushpa Doddaraju, University of Horticultural Sciences, India

TITLE: "USE OF MAGNETIC FIELD TO IMPROVE NATIVE BOREAL SEED GERMINATION AND SEEDLING GROWTH

Jean-Marie Sobze, Northern Alberta Institute of Technology, Canada

TITLE: "TRANSCRIPTOME PROFILING OF INDOLE-3-BUTYRIC ACID-INDUCED ADVENTITIOUS ROOT FORMATION IN OLEA EUROPAEA L. – A FOCUS IN THE INDUCTION PHASE"

Hélia Cardoso, ICAAM/IIFA/Universidade de Évora, Portugal

TITLE: "CONSTRUCTION AND EVALUATION OF CHLOROPLAST EXPRESSION VECTORS IN HIGHER PLANTS"

Kin-Ying To, Academia Sinica, Taiwan

TITLE: "STUDY OF THE IRON CHELATING EFFECT OF GREEN TEA IN SMEAR POSITIVE TB PATIENTS USING SPUTUM SMEAR, SERUM MALONDIALDEHYDE AND BLOOD IRON INDICES"

Shahryar Eghtesadi, Azad University, Iran

TITLE: "ELUCIDATING ROLE OF POLLINATION IN THE EXPRESSION OF ETHYLENE BIOSYNTHESIS GENES IN TOMATO (SOLANUM LYCOPERSICUM) "

Saumya Awasthi, University of Cambridge, UK

TITLE: "PHOSPHATE UNLOADING IN ECTOMYCORRHIZAS THROUGH FUNGAL P TRANSPORTERS: WHAT ARE THE GOOD CANDIDATES?"

Claude Plassard, University Montpellier, France

TITLE: "PHENOTYPIC ANALYSIS OF STRIGOLACTONE-DEFICIENT MUTANTS IN RICE AND TOMATO"

Mikihisa Umehara, Toyo University, Japan

TITLE: "BENZYLIDENEACETONE DERIVATIVES AMELIORATE OVARIECTOMY-INDUCED OSTEOPOROSIS IN DDY MICE BASED ON THE CAPACITY TO INHIBIT OSTEOCLASTOGENESIS SUPPORTED BY POTENTIAL TO ACTIVATE OSTEOBLASTOGENESIS INDEPENDENTLY"

Gil Hong Park, Korea University, South Korea

ORAL PRESENTATIONS

TITLE: "THE EVALUATION OF POSSIBILITY OF UTILIZATION AND EFFECT OF BIOLOGICAL FERTILIZER & PLANT GROWTH PROMOTING ON YIELD AND YIELD COMPONENT ON SESAME (SESAMUM INDICUM) IN DRY FARMING"

Vahid Jajarmi, Islamic Azad University, Iran

TITLE: "BIOFORTIFICATION OF WHEAT FOR IRON AND ZINC THROUGH MOLECULAR AND CYTOGENETICS ASSISTED APPROACHES"

Upendra Kumar, CCS Haryana Agricultural University, India

TITLE: "INSIGHT IN TO SALINITY-TOLERANCE MECHANISM OF CONTRASTING RICE GENOTYPES USING FUNCTIONAL GENOMICS APPROACH"

Nita Lakra, CCS Haryana, Agricultural University, India

TITLE: "TRANSCRIPTOME PROFILING OF INDOLE-3-BUTYRIC ACID-INDUCED ADVENTITIOUS ROOT FORMATION IN OLEA EUROPAEA L. – A FOCUS IN THE INDUCTION PHASE"

Hélia Cardoso, ICAAM/IIFA/Universidade de Évora, Portugal

TITLE: "ATP TRANSLOCATION AND CHLOROPLAST BIOLOGY "

Boon Leong LIM, University of Hong Kong, Hong Kong

TITLE: "THE MECHANISM OF LONG NON-CODING RNA T5120 REGULATING NO₃- SIGNALLING IN ARABIDOPSIS THALIANA"

Yong Wang, Shandong Agricultural University, CHINA

TITLE: "A BIOINFORMATIC APPROACH TO IDENTIFY CIS-REGULATORY MOTIFS IN PROMOTERS OF PLANT GENOMES"

Saomya Awasthi, University of Cambridge, UK

TITLE: "MOLECULAR ANALYSIS OF ALTERNATIVE OXIDASE AND ASCORBIC ACID BIOSYNTHESIS IN TWO ACEROLA CLONES (MALPIGHIA EMARGINATA DC)"

Luis Flavio Mendes Saraiva, State of Ceará University, Brazil

TITLE: "IN VITRO STUDIES ON CALLUS INDUCTION OF ECLIPTA ALBA (L.) HASSK : AN IMPORTANT PLANT OF TRADITIONAL MEDICINE"

Ashwani Kumar, University of Rajasthan, India

ORAL PRESENTATIONS

TITLE: "BUGS, EPIALLELES AND ANCIENT VINES: A MULTI-OMIC VIEW ON WINE QUALITY "

Carlos Rodriguez Lopez, University of Kentucky, USA

TITLE: "BIOACTIVE COMPOUNDS IN WILD FOOD PLANTS IN ITALY"

Valentina Savo, University of Roma Tre, Italy

TITLE: "ROLE OF ENZYMES IN SALINITY RESISTANCE OF MAIZE: A REVIEW"

Ashwani Kumar, University of Rajasthan, India

TITLE: "STUDY OF PHENOLOGICAL CHANGES IN RESPONSES TO CLIMATIC VARIATIONS AMONG SOME THREATENED AND ENDEMIC PLANTS OF INDIAN THAR DESERT, RAJASTHAN (INDIA)"

Amit Kotiya, University of Rajasthan, India

TITLE: "DETERMINATION AND CHARACTERIZATION OF TOBACCO MOSAIC VIRUS IN TOBACCO FIELDS IN NORTH LEBANON"

Dalya Gereige, Lebanese University, Lebanon

TITLE: "THE PHLOEM AS A VASCULAR INTEGRATOR OF WHOLE-PLANT GROWTH AND DEVELOPMENT"

Shmuel Wolf, The Hebrew University of Jerusalem, Israel

POSTER PRESENTATIONS

TITLE: "INVESTIGATING THE EFFECT OF GRAFTING WATERMELON ON COMMERCIAL ROOTSTOCK AND WILD WATERMELON (CITRULLUS COLOCYNTHIS) IN RESPONSE TO DROUGHT CONDITIONS"

Mahdi Bikdeloo, Arak University, Iran

TITLE: "ANTI-DIABETIC POTENTIAL OF 4 KINDS OF DARK TEA (CAMELLIA SINENSIS L.) PROTEIN HYDROLYSATES AMPLE"

Xuwu Zhang and Shangqing Cao, South China University of Technology, China

TITLE: "LONG-TERM ACCLIMATION OF A "RESURRECTION PLANT" FROM TWO DISTINCT CLIMATES INDICATES PLASTICITY IN THE METABOLOME"

Joanne Bentley, University of Cape Town, South Africa

POSTER PRESENTATIONS

TITLE: "EFFECT OF CROCINS FROM CROCUS SATIVUS L ON BLOOD GLUCOSE LEVELS USING ZEBRAFISH (DANIO RERIO) AS AN ANIMAL MODEL"

Eleni Kakouri, Agricultural University of Athens, Greece

TITLE: "PUSH IT TO THE LIMIT: IDENTIFICATION OF NOVEL AMINO ACID POSITIONS ON THE ACETOLACTATE SYNTHASE ENZYME THAT COULD BE USED TO GENERATE RICE PLANTS HIGHLY TOLERANT TO IMIDAZOLINONES"
Valentina Savo, University of Roma Tre, Italy

TITLE: "EFFECTS OF FLOODING ON MORPHO-AGRONOMIC CHARACTERISTICS, PHYSIOLOGY AND ACTIVITY OF RHIZOSPHERE ENZYMES IN HELICONIA PSITTACORUM:

Alejandra Salomé, Méndez-Mendoza El Colegio de la Frontera Sur, Mexico

TITLE: "GENETIC DIVERSITY ANALYSIS OF GROUNDNUT GENOTYPES USING SIMPLE SEQUENCE REPEATS"

Alina Mofokeng, Agricultural Research Council-Grain Crops, South Africa

TITLE: "ANALYSIS OF THE EVOLUTION AND DOMESTICATION OF THE GENE SPACE IN CITRUS"

Daniel Gonzalez-Ibeas, Valencian Institute of Agricultural Research (IVIA), Spain

TITLE: "GENOMIC DIVERSITY OF PIN AUXIN EFFLUX FACILITATORS GENE FAMILY IN OLEA EUROPAEA L. – A COMPARISON BETWEEN A CULTIVATED GENOTYPE (VAR. EUROPAEA CV. 'FARGA') AND ITS WILD RELATIVE (VAR. SYLVESTRIS) "

Hélia Cardoso, ICAAM/IIFA/Universidade de Évora, Portugal

TITLE: "PREPARING A PROTOCOL TO ASSIST A MULTI-OMICS APPROACH FOCUSED ON THE MOLECULAR MECHANISMS UNDERLYING ADVENTITIOUS ROOTING IN OLEA EUROPAEA L."

Hélia Cardoso, ICAAM/IIFA/Universidade de Évora, Portugal

TITLE: "SULFUR DEFICIENCY STRESS IN ARABIDOPSIS AND SELECTIVE UBIQUITINATION-BASED PROTEIN DEGRADATION."

Anna Wawrzynska, Polish Academy of Sciences, Poland

TITLE: "DEVELOPMENT OF TECHNOLOGY FOR BRACHYPODIUM DISTACHYON MODEL PLANT CULTIVATION IN VITRO"

Nargul Omirbekova, Institute of Biology and Biotechnology Problems, Kazakhstan

POSTER PRESENTATIONS

TITLE: "IDENTIFICATION OF ALDEHYDE DEHYDROGENASE GENES AS POTENTIAL TARGETS FOR MANIPULATING ABIOTIC STRESS TOLERANCE IN BRASSICA CROPS"

Ranjana Gautam, University of Hyderabad, India

TITLE: "SEARCH FOR NITROGEN STATUS BIOMARKERS IN SORGHUM BICOLOR"

Reza Ramdan Rivai, Kyoto University, Japan

TITLE: "THE MECHANISM OF LONG NON-CODING RNA T5120 REGULATING NO₃- SIGNALLING IN ARABIDOPSIS THALIANA"

Jingbo Jia, Shandong Agricultural University, CHINA

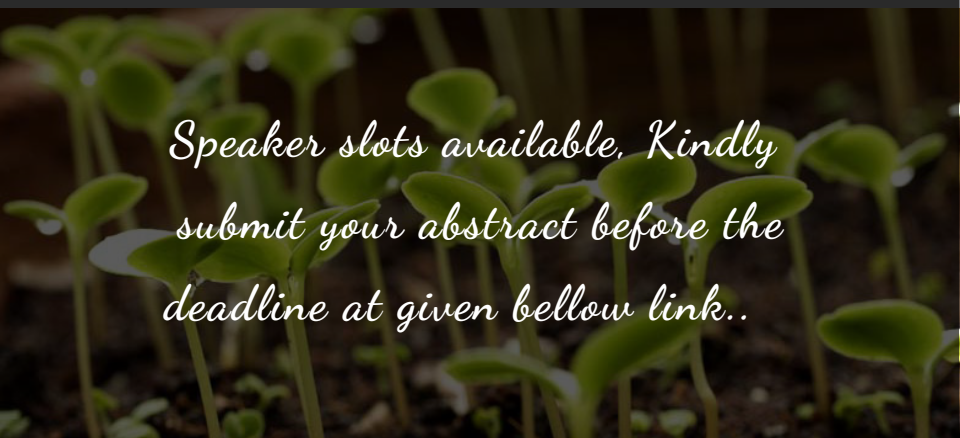
TITLE: "MIRNA EXPRESSION ANALYSIS UNDER SALT STRESS IN H2274 SOLANUM LYCOPERSICUM "

Burcu ArIkan, Istanbul University, Turkey


TITLE: "POLYPHENOLIC CONTENT AND TOTAL ANTIOXIDANT ACTIVITY OF THREE ITALIAN-GROWN POMEGRANATE CULTIVARS"

Anna Perrone, University of Palermo, Italy

END OF POSTER SESSION



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October 23-25, 2019

Looking
forward to
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