

GPMB 2017

Global Conference on
Plant Science
and Molecular Biology

*Accentuate Innovations and Emerging
Novel Research in Plant Sciences*

Conference Program

venue:
Eurostars Rey Don Jaime
Av. de les Balears, 2, 46023
Valencia, Spain

September 11 - 13, 2017 | Valencia, Spain

Day 1 September 11, 2017 (Monday) @ Salon Sorolla 1

08:00-08:40 Registrations

Moderator: Victoria A Piunova, IBM Almaden Research Center, United States

08:40-09:00 Introduction to GPMB 2017

Keynote Presentations

- 09:00-09:30** **Title: How science can help to ease up the harsh GMO dispute**
Klaus Ammann, University of Bern, Switzerland
- 09:30-10:00** **Title: The Social Imperative of Soil Microbiology: Understanding Soil/Plant Interactions for a Better Planet**
Cornelia Butler Flora, Kansas State University, USA
- 10:00 - 10:30** **Title: New scenarios for crop plants: TiO₂ nanoparticles in sludge-amended agricultural soil**
Monica Ruffini Castiglione, University of Pisa, Italy

Group Photo

10:30-10:50 Coffee break @ Hall planta P

Sessions on: Plant Physiology and Biochemistry | Plant Tissue Culture Session | Plant Sociology

Session Chairs:

Samir C. Debnath, St. John's Research and Development Centre, Canada

Kariyat Ramachandran Rupesh Ram, Swiss Federal Institute of Technology, Switzerland

- 10:50-11:10** **Title: Annual ring formation in Scots pine stems as the reaction on seasonal changes in photosynthesis and respiration**
Antonova Galina Feodosievna, VN Sukachev Institute of Forest Siberian Branch of Russian Academy of Sciences, Russian Federation
- 11:10-11:30** **Title: The effect of Tetraneura ulmi L. galling process on the activity of amino acid decarboxylases and the content of biogenic amines in Siberian elm tissues**
Cezary Piotr Sempruch, Siedlce University of Natural Sciences and Humanities, Poland
- 11:30-11:50** **Title: Positive and negative feedback between reactive oxygen species and auxin for adjustment of plant growth under stress conditions**
Ivan Paponov, Norwegian Institute of Bioeconomy Research, Norway
- 11:50-12:10** **Title: Plant intramembrane proteases and beyond...**
Malgorzata Adamiec, Adam Mickiewicz University, Institute of Experimental Biology, Poland
- 12:10-12:30** **Title: Solanum lycopersicum (tomato) possesses multiple lipoyl synthases capable of increasing lipoylation levels in vivo**
Michael Handford, Universidad de Chile, Chile
- 12:30-12:50** **Title: Modulating effect of low and high temperatures on wheat response to cadmium stress**
Natalia Repkina, Institute of Biology Karelian Research Centre of the Russian Academy of Sciences, Russia
- 12:50-13:10** **Title: Salt tolerance in rice: Plant strategies and genetic improvement**
Elide Formentin, University of Padova, Italy
- 13:10-13:30** **Title: Plant i-AAA protease controls the turnover of the essential mitochondrial protein import component**
Magdalena Opalinska, University of Wroclaw, Poland

13:30-14:20 Lunch Break @ Restaurante Albufera

14:20-14:40	Title: Physiology and metabolism of roots in response to extreme temperatures stress Moses Kwame Aidoo, Ben-Gurion University of the Negev, Israel
14:40-15:00	Title: Development of leafy head upon microRNA coordination Yuke He, Shanghai Institutes for Biological Sciences, China
15:00-15:20	Title: Differential oxidative and biochemical responses of tomato and maize leaves to Spodoptera exigua herbivory Sameera Omar Bafeel, King Abdulaziz University, Science college, Saudi Arabia
15:20-15:40	Title: Manipulation of the starch granule number and morphology in Arabidopsis thaliana Joerg Fettke, University of Potsdam, Germany
15:40-16:00	Title: A novel CBF from oil palm that regulates abiotic stress response and the ripening process through modulation of the ethylene signaling pathway Siti Nor Akmar Abdullah, Universiti Putra Malaysia, Malaysia
16:00-16:20	Coffee Break @ Hall planta P
16:20-16:40	Title: An ecological approximation for the study of Arbuscular mycorrhizal fungi (AMF) sporulation in Mediterranean sand dunes Alberto Guillen Bas, University of Valencia, Spain
16:40-17:00	Title: Thapsia garganica L. in vitro plants as a new production platform of thapsigargin Carmen Quinonero Lopez, University of Copenhagen, Denmark
17:00-17:20	Title: How does indole-3-butyric acid induce adventitious root formation in Arabidopsis thaliana thin cell layers? Laura Fattorini, Sapienza University of Rome, Italy
17:20-17:40	Title: Contributions of Plant Tissue Culture to Plant Science Meltem Bayraktar, Ahi Evran University, Turkey
17:40-18:00	Title: Comparative evaluation of biochemical changes in tomato (Lycopersicon esculentum Mill.) infected by Alternaria alternata and its toxins (TeA, AOH and AME) Mukesh Meena, Banaras Hindu University, India

Panel Discussion

(Day 01) Hall: Salon M

Sessions on: Plant Biotechnology | Medicinal and Aromatic Plant Sciences

Session Chairs:

Elena Rakosy-Tican, Babes-Bolyai University, Romania

Sergio Molinari, IPSP-CNR, Italy

10:50-11:10	Title: Biotechnologies for ex situ Conservation of botanical important Plant Species and molecular Techniques used for investigating in vitro genetic Stability Victoria Cristea, Babes-Bolyai University Cluj-Napoca, Romania
11:10-11:30	Title: Transforming the future of agriculture through synthetic photorespiratory bypass Selcuk Aslan, Max Planck Institute of Molecular Plant Physiology, Germany
11:30-11:50	Title: Identification of transcriptional regulators of cereal grain development and quality Sofia Kourmpetli, Cranfield Soil and AgriFood Institute, UK
11:50-12:10	Title: RNA spray fights fungus Aline Koch, Justus-Liebig University, Germany

12:10-12:30	Title: Overcoming the challenges of determining genetic diversity in closely related genotypes that have undergone a genetic bottleneck Seanna Hewitt, Washington State University, USA
12:30-12:50	Title: Sequencing of 260 Citrus Varieties: Linking Genotypes to Phenotypes Javier Terol Alcaide, Centro de Genomica, IVIA, Spain
12:50-13:10	Title: Plant sex: How hot is too hot? Reproductive screening for heat tolerance in cotton Susan Yvonne Jaconis, CSIRO Agriculture, Australia
13:10-13:30	Title: Improving the efficiency of wheat and triticale androgenesis: The starch story Magdalena Szechynska-Hebda, Institute of Plant Physiology, Polish Academy of Sciences, Australia
13:30 - 14:20	Lunch Break @ Restaurante Albufera
14:20-14:40	Title: There is far more to underutilised cereals than meets the eye Acga Cheng, University of Malaya, Malaysia
14:40-15:00	Title: Fragrant plants used as air fresheners in private households Henrik Toft Simonsen, Technical University of Denmark, Denmark
15:00-15:20	Title: Integrated analysis of phenome, genome and transcriptome of hybrid rice uncovered multiple heterosis-related loci for yield increase Yeyun Xin, China National Hybrid Rice Research and Development Center, China
15:20-15:40	Title: Targeting chloroplast bicarbonate transporters BicA and SbtA to chloroplasts of Nicotiana for enhanced CO2 fixation Sandhya Mehrotra, Birla Institute of Technology and Science Pilani, India
15:40-16:00	Title: Using genomic repeat abundance and cytogenomic approaches to infer phylogenetic relationships in <i>Caesalpinia sensu lato</i> (Fabaceae) Gustavo Souza, Federal University of Pernambuco Bioscience Center, Brazil
16:00 - 16:20	Coffee Break @ Hall planta P
16:20-16:40	Title: Tightly controlled expression of bHLH142 is essential for timely tapetal programmed cell death and pollen development in rice Rachel Swee-Suak Ko, Academia Sinica, ABRC/BCST, Taiwan, Province of China
16:40-17:00	Title: Increasing of secondary metabolites against malaria by mutagenesis Kikakedimau Nakweti Rufin, Regional Center of Nuclear Studies of Kinshasa, Democratic Republic of the Congo
17:00-17:20	Title: Secretory structures of the leaves of <i>Hibiscus sabdariffa</i> Linn. (Malvaceae) Yougasphree Naidoo, School of Life Sciences, South africa
17:20-17:40	Title: Medicinal plants and indigenous knowledge for well-being of local people in some areas of Southern Ethiopia Mathewos Agize Ante, College of Natural and Computational Sciences, Wolaita Sodo University, Ethiopia
17:40-18:00	Title: Meta-Analysis of Economic Indicators in Developing Genetically Modified (GM) Cotton Julian Witjaksono, The Assessment Institute for Agricultural Technology of Southeast Sulawesi, Indonesia

Poster Presentations 15:30 - 17:00

- P1** **Title: Effects of CO₂ enrichment, high photosynthetic photon flux density and ammonium supply on growth and development of *Nicotiana benthamiana* used as a transient expression system for influenza virus hemagglutinin**
Lingling Shang, The Faculty of Agriculture and Food Sciences, Laval University, Canada
- P2** **Title: Linking Plant Demography, Ecological Dynamics And Population Genetics Across Space And Time**
Nahaa Miqad Alotaibi, Swansea University, United Kingdom
- P3** **Title: The movement of *Chlamydomonas reinhardtii* in response to light is mediated by abscisic acid**
Layla Al Hijab, West of England Universtiy, United Kingdom
- P4** **Title: Stability of resistance to *Fusarium* head blight and *Fusarium* toxin accumulation in winter wheat lines over different environments**
Tomasz Goral, Plant Breeding and Acclimatization Institute NRI, Poland
- P5** **Title: Identifying and characterising putative aldose 6-phosphate reductases in *Arabidopsis thaliana***
Michael Handford, Universidad de Chile, Chile
- P6** **Title: The p24 protein of Citrus leprosis virus C (CiLV C) is a multi-pass transmembrane protein exposing N cytoplasmic-C lumen topology.**
Mikhail Oliveira Leastro, Instituto Biologico de Sao Paulo, Brazil
- P7** **Title: Effects Of Artificial Coelux® Light On Plants Growth**
Polzella Antonella, University of Molise, Italy
- P8** **Title: Reaction of winter triticale breeding lines to *Fusarium* head blight and accumulation of *Fusarium* metabolites in grain in two environments**
Wisniewska Halina, Institute of Plant Genetics Polish Academy of Sciences, Poland
- P9** **Title: Taxonomy of plants in phylum using UV fingerprints and robust chemometrics**
Costel Sarbu, Babes-Bolyai University Cluj-Napoca, Romania
- P10** **Title: Application of TaqMan probes to study the expression kinetics of celiac disease-related toxic epitopes and their presence in the gDNA of contrasted spelt accessions**
Benjamin Dubois, Walloon Agricultural Research Center (CRA-W), Belgium
- P11** **Title: Preliminary detection of pectins and arabinogalactan proteins during ovule embryogenesis in sugar beet (*Beta vulgaris* L.)**
Sandra Cichorz, Plant Breeding and Acclimatization Institute - NRI, Poland
- P12** **Title: Abiotic stress tolerance in perennial grasses – recommended for the management of dry and degraded areas**
Elzbieta Kochanska-Czembor, Plant Breeding and Acclimatization Institute, Poland
- P13** **Title: AtAIRP2, an *Arabidopsis* RING E3 Ubiquitin Ligase, Positively Regulates ABA- and High Salinity-mediated Seed Germination by Stimulating ATP1/SDIRIP1 Turn-over**
Woo Taek Kim, Yonsei University, Republic of Korea
- P14** **Title: Functional characterization of ABC transporters in chloroplast**
Prashanth Tamizhselvan, Masaryk University, CEITEC MU, Czech Republic
- P15** **Title: Transcriptome analysis of resistant and susceptible sweetpotato cultivars infected with root-knot nematode *Meloidogyne incognita***
Yun Hee Kim, Gyeongsang National University, Republic of Korea

- P16** Title: **Phytochemical composition of essential oil of Croatian endemic species *Centaurea tuberosa* Vis.**
Nada Bezic, University of Split, Croatia
- P17** Title: **Evaluation of cultural and wild oat varieties for selected traits affecting the quality of human nutrition**
Havrlentova Michaela, Research Institute for Plant Productio, Slovakia
- P18** Title: **Identification and classification of U-box E3 ligases in barley and their responses to drought stress and fungal infection**
Seok Keun Cho, Yonsei University, Republic of Korea
- P19** Title: **The role of antioxidant mechanisms in the tolerance of the Negev desert extremophyte, *Anastatica hierochuntica*, to abiotic stress**
Prasanna Angel Deva, Ben Gurion University of the Negev, Israel
- P20** Title: **Transcriptome Profiling of Coffee (*C. arabica* L.) Seedlings Irrigated with Diluted Deep Sea Water**
Kebede Mesfin Haile, Kangwon National University, Korea
- P21** Title: **Comparison of winter wheat and triticale genotypes for high callus induction and plant regeneration from mature embryo cultures.**
Lidia Kowalska, Plant Breeding and Acclimatization Institute, Poland
- P22** Title: **The use of modern physical and chemical methods for identifying adaptation genotypes *Prunus Cerasus* L**
Motyleva Svetlana Mikhailivna, FSBSI ARHIBAN, Russian Federation
- P23** Title: **Mineral composition and antioxidant activity of forest plants**
Paulina Drozd, Forest Research Institute, Poland
- P24** Title: **Immunogenicity of GP4 and GP5 Recombinant proteins of Porcine Reproductive and Respiratory Syndrome Virus Expressed in Transgenic Plants**
Chul Han An, Korea Research Institute of Bioscience and Biotechnology, Republic of Korea
- P25** Title: **Response of kidney bean and pea plants to low temperature stress under polyamines treatment and its role to productivity**
Jurga Jankauskiene, Nature Research Centre, Lithuania

Day 2 September 12, 2017(Tuesday) @ Salon Sorolla 1

Moderator: Selcuk Aslan, Max Planck Institute of Molecular Plant Physiology, Germany

Keynote Presentations

- 09:00-09:30** Title: **Risk assessment of dietary exposure to deoxynivalenol in different age groups in Norway**
Leif Sundheim, Norwegian Institute of Bioeconomy Research, Norway
- 09:30-10:00** Title: **In vitro and molecular techniques combined with conventional methods for horticultural crop improvement**
Samir C. Debnath, St. John's Research and Development Centre, Canada
- 10:00-10:30** Title: **Understanding of plant innate immune response and engineering of novel innate immunity for pathogen clearance and disease protection.**
Goutam Gupta, Los Alamos National Laboratory, USA
- 10:30-10:50** Coffee Break @ Hall planta P

Sessions on: Plant Pathology: Mechanisms Of Disease | Applications In Plant Sciences And Plant Research | Plant Diseases

Session Chairs:

Leif Sundheim, Norwegian Institute of Bioeconomy Research, Norway

Antonio Domenech-Carbo, University of Valencia, Valencia, Spain

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|---------------|--|
| 10:50-11:10 | Title: Treating plants with plastic: Macromolecular therapies to combat infections in plants
Victoria A Piunova, IBM Almaden Research Center, United States |
| 11:10-11:30 | Title: Metabolomics analysis of the effect of changed CO2 concentration on the wheat's response to Fusarium Head Blight
Miroslava Cuperlovic-Culf, National Research Council Canada, Canada |
| 11:30-11:50 | Title: Defense mechanisms in multi-actor relationships: Pathogenesis related gene response in agricultural important crops
Paola Leonetti, IPSP-CNR, Italy |
| 11:50-12:10 | Title: A barley powdery mildew candidate effector regulates host immune responses through destabilizing HvCAT1
Qian-Hua Shen, Institute of Genetics & Developmental Biology, China |
| 12:10-12:30 | Title: Analysis of metabolites modulated by Plasmopara viticola infection in Bianca grapevine leaves
Giulia Chitarrini, Fondazione Edmund Mach, Italy |
| 12:30-12:50 | Title: Electrochemolomic methodology for plant taxonomy
Antonio Domenech-Carbo, University of Valencia, Spain |
| 12:50-13:10 | Title: Characterization of transcription factors involved in early defense response during interaction of oil palm (Elaeis guineensis) with Ganoderma boninense.
Nurshafika Mohd Sakeh, Universiti Putra Malaysia, Malaysia |
| 13:10-13:30 | Title: Performance of Grafted Galia and Ananas Melon Types under Different Salinity Concentrations
Adel Saleh Hussein Al-Abed, National Center for Agricultural Research and Extension, Jordan |
| 13:30-14:20 | Lunch Break @ Restaurante Albufera |
| 14:20-14:40 | Title: TaqMan PCR assay for detection and quantification of Stagonosporopsis tanacetii in pyrethrum seed and seedlings
Md Abdullahil Baki Bhuiyan, The University of Melbourne, Australia |
| 14:40-15:00 | Title: GFP tagging of Ralstonia solanacearum facilitate its easy tracking in tomato cultivars without affecting virulence
Manju Sharma, Amity Institute of Biotechnology, India |
| 15:00-15:20 | Title: Activation of Innate Plant Immunity as a Sustainable Strategy for Pest Management
Sergio Molinari, IPSP-CNR, Italy |
| 15:20-15:40 | Title: Development and application of DNA and metabolic markers for characterisation and selection of garlic cultivars
Jaroslava Ovesna, Crop Research institute, Czech Republic |
| 15:40-16:00 | Title: Bursting to life as a Biotech Entrepreneur, Why accelerators matter
John B. Carrigan, RebelBio SOSV, Ireland |
| 16:00 - 16:20 | Coffee break @ Hall planta P |
| 16:20-16:40 | Title: Characterization of Kumquat (Fortunella margarita) peel essential oil and hydrosol fraction and their potential as antimicrobial, antioxidant, anti-inflammatory and anti-carcinogenic agents
Bardouki Haido, VIORYL S.A., Greece |

- 16:40-17:00** | **Title: Perspectives on the use of reflectance spectra in the visible/near infrared region to detect the Citrus tristeza virus**
Natalia Tomas Marques, Universidade do Algarve, Portugal
- 17:00-17:20** | **Title: Response of *Stevia rebaudiana bertonii* to foliar application with yeast or seaweed extracts on growth, anatomical and chemical structure**
Azza M. Salama, Cairo University, Egypt
- 17:20-17:40** | **Title: Transcriptome profiling during low temperature storage of sweetpotato tuberous roots to elucidate the mechanism of chilling injury**
Chang-Yoon Ji, University of Science & Technology, Korea
- 17:40-18:00** | **Title: Managing root-knot nematodes in potatoes using cucurbitacin-containing phytonematicides: A success story in South Africa**
Kgabo Martha Pofu, Agricultural Research Council, South Africa

Panel Discussion

(Day 02) Hall: Salon M

Sessions on: Plant Biology | Plant Biosystems | Plant Nutrition And Soil Sciences

Session Chairs:

Monica Ruffini Castiglione, University of Pisa, Italy

Piergiorgio Stevanato, University of Padova, Italy

- 10:50-11:10** | **Title: Facilitation of adventitious root formation by nitrogen remobilization on reversible dark-induced carbohydrate depletion and potential application in horticulture**
Siegfried Zerche, Leibniz-Institute of Vegetable- & Ornamental Crops, Germany
- 11:10-11:30** | **Title: Omics responses of sugar beet to changes in sulfate availability**
Piergiorgio Stevanato, University of Padova, Italy
- 11:30-11:50** | **Title: The switch from skotomorphogenesis to photomorphogenesis triggers the regulatory transition of miRNA biogenesis in *Arabidopsis thaliana***
Seong Wook Yang, Yonsei University, Republic of Korea
- 11:50-12:10** | **Title: Cryo-EM Structure of the chloroplast ATP synthase from Spinach**
Alexander Hahn, Max Planck Institute for Biophysic, Germany
- 12:10-12:30** | **Title: Hormone-modulated response modules in the plasma membrane initiating early events in plant cell elongation**
Klaus Harter, University of Tuebingen, Center for Plant Molecular Biology, Germany
- 12:30-12:50** | **Title: Dissection of the remorin gene function in rice**
Laigeng Li, Institute of Plant Physiology and Ecology, China
- 12:50-13:10** | **Title: Herbicide Resistant *Amaranthus palmeri* poses major evolutionary and ecological challenges to broad acre farming operations in the United States.**
Thomas C Mueller, University of Tennessee, United States
- 13:10-13:30** | **Title: Model of Entrepreneurship Capacity Building of Seaweed Farmers in Takalar District, South Sulawesi, Indonesia**
Djurdil Akrim, Bosowa Polytechnic, Indonesia
- 13:30-14:20** | **Lunch Break @ Restaurante Albufera**
- 14:20-14:40** | **Title: Eco-physiology of abiotic stress tolerance in selected bryophytes**
Ingeborg Lang, University of Vienna, Austria

14:40-15:00	Title: Ferns and Lycophytes in Balinsasayao, Philippines: Participatory Inventory, Assessment and Conservation Initiatives Victor B. Amoroso, Central Mindanao University, Philippines
15:00-15:20	Title: The Mexican <i>Salvia blepharophylla</i> and <i>Salvia greggii</i> in an ecological context: Scents, biotic relationships and exudates Gelsomina Fico, University of Milan, Italy
15:20-15:40	Title: Microalgae: An excellent tool to study the effects of sulphur nutrition starvation on plants in general Carfagna Simona, Naples, University "Federico II", Italy
15:40-16:00	Title: Effect of tris(3-hydroxy-4-pyridinonate) iron(III) complexes in iron deficiency chlorosis Maria Conceicao Rangel, University of Porto, Portugal
16:00 - 16:20	Coffee break @ Hall planta P
16:20-16:40	Title: Hydric stress and silicon in the activity of antioxidant enzymes in cv Micro-Tom tomato Janaina Oliveira Cruz, UNESP - Univ. Estadual Paulista, Brazil
16:40-17:00	Title: Induction of barley silicon transporters HvLsi1 and HvLsi2 is responsible for silicon accumulation in shoot under concomitant drought and K deficiency Seyed Abdollah Hosseini, Agro Innovation International - Roullier group, France
17:00-17:20	Title: Hormonal dynamics during salt stress response of salt-sensitive <i>Arabidopsis thaliana</i> and salt-tolerant <i>Thellungiella salsuginea</i> Prerostova Sylva, Institute of Experimental Botany AS CR, Czech Republic
17:20-17:40	Title: Synergism of the false root-knot nematode <i>Nacobbus aberrans</i> and <i>Phytophthora capsici</i> manifested by alteration of phenylpropanoid metabolism in <i>Capsicum annuum</i> Noe Lopez-Martinez, Universidad Autonoma Chapingo, Mexico
17:40-18:00	Title: Axenically culturing the bryophytes: Problems, achievements and prospective of in vitro cultures Marko Sabovljevic, University of Belgrade, Serbia

Panel Discussion

Poster Presentations 15:30 - 17:00

P26	Title: Enhanced Production of Stilbene Compounds in Plant and Cell Culture Systems Cha Young KIM, Korea Research Institute of Bioscience and Biotechnology, Republic of Korea
P27	Title: Expression of Heavy Metal ATPase HMA1 and HMA2 in <i>Brassica juncea</i> and <i>Brassica nigra</i> grown at Different Levels of Cu and Cd Nuriye Merakli, Usak University, Turkey
P28	Title: Inferring movement of potato psyllids among host plants using NextRAD sequencing Carmen Isabel Castillo Carrillo, National Institute of Agricultural Research, Ecuador
P29	Title: The lack of AtEgy1 protease leads to quantitative changes of photosystem II apoproteins in <i>Arabidopsis thaliana</i> Robert Lucinski, Adam Mickiewicz University, Institute of Experimental Biology, Poland
P30	Title: Dead pericarps function as storage for active hydrolases and germination inhibitory substances Godwin James, Ben Gurion University of the Negev, Israel
P31	Title: Genome-wide characterization and analysis of MADS-box transcription factor gene family related to flower induction in Pineapple (<i>Ananas comosus</i>) Hu Fuchu, Hainan Academy of Agricultural Science, China

- P32 Title: Tempe Lake Management Strategies as the Clean Water Source Society in Wajo District, South Sulawesi, Indonesia**
Nurlita Pertiwi, Universitas Negeri Makassar, Indonesia
- P33 Title: New locus of barley resistance gene to powdery mildew**
Jerzy Henryk Czembor, Plant Breeding and Acclimatization Institute - NRI, Poland
- P34 Title: Effect of silicate-coated rice seed on bakanae disease (*Gibberella fujikuroi*) reduction in the rice cultivation**
Yang-Soon Kang, Saturn Bio Tec Co.,Ltd, Republic of Korea
- P35 Title: ABA-mediated stress response mechanism modulates stigmatic papillae development in *Arabidopsis thaliana***
Keita Suwabe, Mie University, Japan
- P36 Title: Characterization of NBS-LRR type gene with altered expression in response to *Puccinia horiana***
Bae Shin Churl, National Academy of Agriculture Sciences, Republic of Korea
- P37 Title: Performance of *hylocerus* (cactaceae) hybrids under high temperature stress**
Divya Sravanthi Kumbha, Ben Gurion University of the Negev, Israel
- P38 Title: De novo assembly and transcriptome characterization of Pineapple (*Ananascomosus*) flower induction in response to Ethephon**
Sangryeol Park, National Institute of Agricultural Sciences, Republic of Korea
- P39 Title: De novo Assembly and Transcriptome Characterization of Pineapple (*Ananascomosus*) Flower Induction in Response to Ethephon**
Chen Zhe, Hainan Academy of Agricultural Science, China
- P40 Title: COP9 SIGNALOSOME 5A protein interacts with FLOWERING LOCUS T (FT) and mediates ambient temperature-dependent degradation of FT protein**
Soo-Jin Kim, Korea University, Republic of Korea
- P41 Title: DeBaser: An online tool for fast RNA-Seq data assembly and polymorphism discovery**
Rodney Eyles, International Institute of Tropical Agriculture, Kenya
- P42 Title: Complete plastid genome of the carnivorous plant *Drosera rotundifolia* reveals genome rearrangements and early stages of gene loss**
Evgeny Gruzdev, Institute of Bioengineering, Research Center of Biotechnology of the Russian Academy of Sciences, Russian Federation
- P43 Title: Identification and characterization of an E3 ligase regulating the stability of BIN2**
Yu Jeong Jeong, Seoul national university, Republic of Korea
- P44 Title: Identification of a new thermal mediator from various *Arabidopsis* accessions with genetics and Next Generation Sequencing analysis**
Chunghee Lee, Korea University, Republic of Korea
- P45 Title: Effect Of Drought Stress On Aquaporin Isoforms Expression Level And Lipid Peroxidation Changes In Leaves In Cv. Horozkarası Grapevine Grafted On Different Rootstocks**
Mehmet KOC, Kilis 7 December University, TURKEY
- P46 Title: The ameliorative effects of silicon on salt -stressed Sorghum seedlings and its influence on the activities of Sucrose synthase and PEP carboxylase**
Amani Abdel-latif, Egypt
- P47 Title: Comparative morphological responses of Landrace Dwarf Common Bean (*Phaseolus vulgaris* L.) Genotypes Collected from Western Mediterranean Region of Turkey under salt stress**
Kamile Ulukapi, Akdeniz University, Turkey

- P48** | **Title: Engineered disease resistance in cotton using gene silencing to knock down Cotton leaf curl Kokhran virus-Burewala and Cotton leaf curl Multan betasatellite**
Aftab Ahmad, Center of Excellence in Molecular Biology, University of the Punjab, Pakistan
- P49** | **Title: Molecular Characterization of Landrace Common Bean (Phaseolus vulgaris L.) Genotypes Collected from Western Mediterranean Region of Turkey**
Kamile Ulukapi, Akdeniz University, Turkey
- P50** | **Title: Infection by the false root-knot nematode Nacobbus aberrans breakdown resistance to wilting of Phytophthora capsici in Capsicum annum**
Jose Maria Quintero-Patino, Universidad Autonoma Chapingo, Mexico
Jaime Mejia-Benitez, Universidad Autonoma Chapingo, Mexico
- P51** | **Title: Genetic Diversity of Native Maize in North Mexico**
Adriana Cenicerros, CINVESTAV-Unidad Irapuato, Mexico

Day 3 September 13, 2017(Wednesday) @ Salon Sorolla 1

Moderator: Susan Yvonne Jaconis, CSIRO Agriculture, Australia

Keynote Presentations

- 09:00 - 9:30** | **Title: Applying combinatorial biotechnology in potato as an example of crop improvement**
Elena Rakosy-Tican, Babes-Bolyai University, Romania
- 9:30 - 10:00** | **Title: Cascading effects of inbreeding on plant-herbivore interactions.**
Kariyat Ramachandran Rupesh Ram, Swiss Federal Institute of Technology, Switzerland
- 10:00 - 10:30** | **Title: Aluminium and drought stress: Physiological basis and genetic tools to improve crop resistance**
Ivica Djalovic, Institute of Field and Vegetable Crops, Serbia

10:30 - 10:50 | **Coffee Break @ Hall planta P**

Sessions on: Trends in Plant Science

Session Chairs:

Abdul Razaque Memon, Usak University, Turkey

Bernardo Gonzalez Ojeda, University Adolfo Ibanez, Chile

- 10:50-11:10** | **Title: From seeds to roots: The role of seed-borne endophytes for the composition of the active microbiome of barley roots**
Viviane Radl, Helmholtz Zentrum München, Germany
- 11:10-11:30** | **Title: Effect of copper on the plant-bacteria interaction between Arabidopsis thaliana and the metal resistant bacterium Cupriavidus metallidurans CH34**
Bernardo Gonzalez Ojeda, University Adolfo Ibanez, Chile
- 11:30-11:50** | **Title: Gene expression of metal transporting P-type ATPases in Brassica nigra and Brassica juncea grown at different levels of Cu and Zn**
Abdul Razaque Memon, Usak University, Turkey
- 11:50-12:10** | **Title: Oat beta-glucan – miracle or reality?**
Havrlentova Michaela, Research Institute for Plant Productio, Slovakia
- 12:10-12:30** | **Title: Differences in sodium dependence in sodium-loving plants**
Hideyasu Fujiyama, Tottori University, Japan
- 12:30-12:50** | **Title: Flow cytometry as a support tool for the identification of cryptic species?**
Errol Vela, University of Montpellier – UMR AMAP, France

12:50-13:10	Title: The effect of industrial aerosol emissions on the heavy metals content and distribution in herbaceous plants Saglara Mandzhieva, Southern federal university, Russia
13:10-13:30	Title: Patterns of nucleotide diversity on the waxy locus linked to AAC of rice (<i>Oryza sativa</i> L.) in northeast India Gayle Alisha Kharshiing, North Eastern Hill University, india
13:30 - 14:20	Lunch Break @ Restaurante Albufera
14:20-14:40	Title: Cucurbitacin-containing phytonematicides induce concentration-responses on selected nutrient elements in leaf tissues of green bean Phatu William, University of Limpopo, South Africa
14:40-15:00	Title: Drought stress and air humidity provoke stomatal functioning Peiman Zandi, Institute of Environment and Development in Sustainable Agriculture, China
15:00-15:20	Title: Cowpea potential, production constraints and utilization in South Africa Maletsema Alina Mofokeng, Agricultural Research Council-Grain Crops, South Africa
15:20-15:40	Title: Impact of Elevated Ozone and Wounding on Foliage Stress Volatile Emissions and Gas Exchange of Tasmanian Blue Gum (<i>Eucalyptus globulus</i>) Arooran Kanagendran, Estonian University of Life Sciences, Estonia
15:40-16:00	Title: Photosynthesis and Growth Responses of Mustard (<i>Brassica juncea</i> L. cv Pusa Bold) Plants to Free air carbon dioxide Enrichment (FACE) Baishnab Tripathy, Jawaharlal Nehru University, India
16:00-16:20	Title: Recombinant glycinebetaine improves metabolic activities, ionic balance and salt tolerance in diazotrophic freshwater cyanobacteria Prashant Swapnil, Banaras Hindu University, India
16:20 - 16:40	Coffee Break @ Hall planta P
16:40-17:00	Title: DOF Affecting Germination 1: A tool to unravel how plants respond to drought stress in seeds Ruta Veronica, University of Rome, Italy
17:00-17:20	Title: Improving faba bean for sustainable agriculture in dry areas Fouad Maalouf, ICARDA, Lebanon
17:20-17:40	Title: Postulation of Rust Resistant Genes in High Yielding Wheat From Wild Species by Back-Cross Method Khwaja Abdul Nayeem, College of Agriculture Khandala, India
17:40-18:00	Title: Sea buckthorn (<i>Hippophae rhamnides</i> L) A Magic Shrub for Socio Economic Development of Pakistan Asad Hussain Shah, University of Kotli, Pakistan
18:00-18:20	Title: Efficient production of haploid durum wheat plant via maize pollination AYED Sourour, Research Center of Agricultural and Development in Northwest Semi-arid regions of Tunisia, Tunisia
18:20-18:40	Title: The effects of beneficial nano-particles and nano-structured fertilizers on plants growth Mohsen Janmohammadi, University of Maragheh, Iran

End Note

We wish to meet you again at **GPMB-2018**

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