

**Room 1 Thursday, September 9 (9:45-11:45) \*min.: Video Presentation Time****1.1. Direct-seeded Rice in Asia-Oceania Region**

Chair: Yoichiro Kato The University of Tokyo, Japan  
 Chair: Virender Kumar International Rice Research Institute, Philippines

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O11-01 (Invited)	15	Virender Kumar	International Rice Research Institute	Philippines	Direct-Seeded Rice for Economic and Environmental Sustainability of Rice in Asia: Overview	P01233
O11-02 (Invited)	15	Jaquie H Mitchell	The University of Queensland	Australia	Improvements in Abiotic Stress Tolerance Required for Drill Seeded Aerobic Rice Production	P01209
O11-03 (Invited)	12	Shaobing Peng	Huazhong Agricultural University	China	Research and Development of Direct-seeded Rice in China	P02008
O11-04 (Invited)	12	Sudhanshu Singh	IRRI South Asia Regional Centre (ISARC)	India	Direct Seeded Rice to Achieve Sustainable Production In South Asia	P01228
O11-05 (Invited)	12	Kazuhiro Sasaki	Japan International Research Center for Agricultural Sciences	Japan	Marker-assisted Breeding for Improving Seedling Establishment under Flooded Conditions in Direct-seeded Rice	P02026
O11-06 (Invited)	12	Pompe C. Sta Cruz	The University of the Philippines Los Baños	Philippines	Mechanized Dry Direct Seeding: A Technology for Improving Rice Productivity and Increasing Production Efficiency of Rainfed Lowlands in the Philippines	P02032

**Room 1 Thursday, September 9 (14:30-16:30) \*min.: Video Presentation Time****1.2. Concepts, Prospects, and Potentiality of Crop Production in East Asia (sponsored by The Korean Society of Crop Science)**

Chair: Sang-In Shim Gyeongsang National University, Korea  
 Chair: Takeo Sakaigaichi National Agriculture and Food Research Organization, Japan

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O12-01	15	Takeo Sakaigaichi	National Agriculture and Food Research Organization	Japan	Yield Performance of Recent Breeding Lines of Sweetpotato Developed for Direct Planting in Japan	P01046
O12-02	15	Minoru Yamauchi	National Federation of Agricultural Cooperative Associations (Zen-Noh)	Japan	Nationwide Evaluation and Development of Direct Seeding Technology of Rice with Iron-Coated Seeds in Japanese Fields	P01039
O12-03	12	Aye Aye Khaing	Yezin Agricultural University	Myanmar	Feed and Pasture Management Practices of Dairy Farms in Nay Pyi Taw, Myanmar	P01160
O12-04	12	Yoshimichi Fukuta	Japan International Research Center for Agricultural Sciences	Japan	International Differential System for Resistance in Rice Cultivars and Blast Race	P02042
O12-05	12	Junfa Wang	Chiba University	Japan	Varietal Differences in Photosynthetic Characteristics, Yield and Water Use Efficiency of Rice under Drip Irrigation with Plastic Film Mulch	P01109
O12-06	12	Yong-Hwan Ju	Chungbuk National University	Korea	Physiological and Proteome Analysis in <i>Brassica napus</i> L. of Leaves in Response to Copper Stress and Citric-Acid Application	P01215
O12-07	12	Seong-Woo Cho	Gyeongsang National University	Korea	Improvement of Wheat Quality for End-Use Quality in Korean Wheat Breeding Program: <i>Glu-B1a</i> and <i>Glu-D1y12.K</i>	P01014

**Room 1 Thursday, September 9 (17:00-19:00) \*min.: Video Presentation Time****1.3. Current Issues on Tropical Crops (sponsored by the Japanese Society for Tropical Agriculture / The Society of Sago Palm Studies)**

Chair: Hiroshi Ehara Nagoya University, Japan  
 Chair: Hitoshi Naito Kurashiki University of Science and the Arts, Japan  
 Chair: Rosa Rolle Food and Agriculture Organization of the United Nations, Italy

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O13-01 (Invited)	15	Hong Son Nguyen	Vietnam Academy of Agricultural Sciences	Vietnam	Expression and Insecticidal Characterization of Cry8Db Protein against <i>Lepidiotia signata</i> Fabricius	P03005
O13-02 (Invited)	15	Yulius Barra Pasolon	Halu Oleo University	Indonesia	Growth Responses of Manno Sago Seed to Organic and NPK Fertilizers Application	P01216
O13-03 (Invited)	12	Margaret Chan Kit Yok	Universiti Teknologi MARA Sarawak Branch	Malaysia	Agronomic Practices of Oil Palm Smallholders towards Sustainable Development Goal 12	P02065
O13-04	12	Thanda Aung	Yezin Agricultural University	Myanmar	A Survey on Home Garden Horticultural Crops in Two Selected Areas in Myanmar	P01020
O13-05	12	Kea Kong	Ministry of Agriculture, Forestry and Fisheries	Cambodia	Agro-economic Evaluation of Fertilizer Management for Wet Season Rice in Southern Cambodia	P02053
O13-06	12	Koki Asano	Nagoya University	Japan	The Abundance and Diversity of Arbuscular Mycorrhizal Fungi Colonized in Roots of Sago Palm in Mineral Soil and Shallow Peat Soil	P02015
O13-07	12	Bruce Haja Andrianary	University of Antananarivo	Madagascar	The Effect of Nitrogen and Phosphorus Applications on Rice Yield Can Be Changed by Farmers' Management Practices —Transplanting Dates and Densities—	P01005

**Room 1 Friday, September 10 (9:45-11:45) \*min.: Video Presentation Time****1.4. Legume Production in Asia**

Chair: Kuniyuki Saito Okayama University, Japan  
 Chair: Tianfu Han Chinese Academy of Agricultural Sciences, China

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O14-01 (Invited)	15	Tianfu Han	Chinese Academy of Agricultural Sciences	China	Current Status of Soybean Production, Consumption, Trade and Research in Asia	P01247
O14-02 (Invited)	15	Munif Ghulamahdi	IPB University	Indonesia	Soybean Adaptation under Saturated Soil Culture with Application of Paddy Straw Biomass Ameliorant, Biological and Chemical Fertilizers on Tidal Swamp in Indonesia	P01010
O14-03	12	Taiki Yoshihira	Rakuno Gakuen University	Japan	Study on High Yielding Canadian Soybean Cultivars in Central Hokkaido and Its High Yielding Factors — Comparison with Hokkaido Cultivars in Yield Components, Growth Analysis and Branching Plasticity —	P01073
O14-04	12	Taiyu Lin	Kyoto University	Japan	Response to High Temperature Environments in Production, Quality and Physiological Activity of Two Soybean varieties	P01075
O14-05	12	Sabaruddin Zakaria	Syiah Kuala University	Indonesia	The Changes of Soil Properties and Crop Responses to Organic Amendments of Dryland Cambisol Soil by Different Cropping System	P01019
O14-06	12	Rahima Khatun	Bangladesh Agricultural University	Bangladesh	Field Evaluation of Country Bean ( <i>Lablab purpureus</i> L. Sweet) Germplasms Collected from Different Locations of Bangladesh to Pod Borer Resistance	P02061

**Room 2 Thursday, September 9 (9:45-11:45) \*min.: Video Presentation Time****2.1. Cropping System / Crop Rotation**

Chair: Katsuyoshi Shimizu Kagoshima University, Japan  
 Chair: Weidong Cao Chinese Academy of Agricultural Sciences, China

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O21-01(Invited)	15	Weidong Cao	Chinese Academy of Agricultural Sciences	China	Utilization of Green Manure in China	P02068
O21-02 (Invited)	15	Hideki Kanamaru	FAO Regional Office for Asia and the Pacific	Thailand	Climate Services for Improved Resilience of Cropping Systems	P01248
O21-03	12	Yoshihiro Hirooka	Kindai University	Japan	Effects of Ridging and Fertilizer Application on Crop Yield and Growth under Unstable Water Environments	P01011
O21-04	12	Morio Iijima	Kindai University	Japan	Enhancement of Drought-Tolerance of Sorghum by the Close Mixed-Planting of Pearl Millet	P01029
O21-05	12	Keotshephile Kashe	University of Botswana	Botswana	Rice Introduction to Botswana through the Collaboration with Namibia and Japan; Natural and Social Environment for Rice Cropping in Okavango Delta	P01030
O21-06	12	Syed Tahir Ata-Ul-Karim	The University of Tokyo	Japan	Long-term Crop Response to Discontinuation of Fertilizer Input in a Wheat-Maize Cropping System	P02039

**Room 2 Thursday, September 9 (14:30-16:30) \*min.: Video Presentation Time****2.2. Crop Production System**

Chair: Koki Homma Tohoku University, Japan  
 Chair: Roel Suralta Philippine Rice Research Institute, Philippines

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O22-01 (invited)	15	Koki Homma	Tohoku University	Japan	Present Status and Issues of Crop Production after the Tsunami in the Coastal Area of Sendai, Japan	P03009
O22-02	15	Chanthol Uch	International Rice Research Institute Cambodia Office	Cambodia	Agronomic Performance of Rainfed Lowland Rice Varieties in Different Soil Types in Cambodia	P03007
O22-03	12	Yu Iwahashi	Tohoku University	Japan	Quantitative Analysis on Rice Production Changes for Sixteen Years in Pursat Province, Cambodia	P01072
O22-04	12	Shamma Tabassum Haque	Rajshahi University of Engineering & Technology	Bangladesh	Vertical Farming: Improving Food and Nutrition Security by Integrating Agriculture into the Built Environment of Dhaka City	P01201
O22-05	12	Kaori Matsuoka	National Agriculture and Food Research Organization	Japan	Spatial Variation in the Growth of Peach Trees and the Related Field Properties in a Newly Reclaimed Orchard	P01123
O22-06	12	Saravanamoorthy Selvakumar	Tamil Nadu Agricultural University	India	Assessment of Rice Cultivation in Non-system Tank Irrigated Area in Southern Region of Tamil Nadu, India	P01242
O22-07	12	Rongling Ye	Tohoku University	Japan	Trials of Mix Cropping of Indeterminate and Determinate Soybean Lines for 5 years in Tohoku, Japan	P03010

**Room 2 Thursday, September 9 (17:00-19:00) \*min.: Video Presentation Time****2.3. Crop Modeling: Recent Progress and Applications**

Chair: Hiroshi Nakagawa National Agriculture and Food Research Organization, Japan  
 Chair: Xinyou Yin Wageningen University and Research, Netherlands

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O23-01(Invited)	15	Xinyou Yin	Wageningen University & Research	Netherlands	Learning from Experiences in Physics to Improve Crop Models for Analysis of Complex Traits	P01245
O23-02 (Invited)	15	Kwang-Hyung Kim	APEC Climate Center	Korea	Potential Value of Seasonal Climate Forecast and Crop Modelling in Identifying Optimal Management Practices in Tonga	P01183
O23-03	12	Seiji Shimoda	National Agriculture and Food Research Organization	Japan	Improving Variety Reveals Emerging Wheat Yield Gaps Associated with Humid Days in Hokkaido	P02047
O23-04	12	Kota Nakajima	Kyoto University	Japan	Deep Learning-Based Robust Estimation for Rice Biomass Using Digital Image of Canopy	P01096
O23-05	12	Shiori Yabe	National Agriculture and Food Research Organization	Japan	Characteristics of the Grain Weight Distribution Relating to the Ability of Resource Allocation in a Rice Panicle	P01162
O23-06	12	Hiroe Yoshida	National Agriculture and Food Research Organization	Japan	Determination and Genetic Analysis of Genotype-specific Parameters of Crop Growth Model Using Large-scale Data of Rice Cultivation Tests in Japan	P01168

**Room 2 Friday, September 10 (9:45-11:45) \*min.: Video Presentation Time****2.4. Smart Farming (Remote Sensing, ITC) (sponsored by Asian Association of Agricultural Colleges and Universities (AAACU))**

Chair: Yoshio Inoue The University of Tokyo, Japan  
 Chair: Sutkhet Nakasathien Kasetsart University, Thailand

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O24-01(Invited)	15	Sutkhet Nakasathien	Kasetsart University	Thailand	Artificial Intelligence (AI) in Thai Agriculture	P02066
O24-02(Invited)	15	Yoshio Inoue	The University of Tokyo	Japan	Satellite- and Drone-based Remote Sensing of Crops and Soils for Smart Farming - Algorithms and Applications	P01120
O24-03(Invited)	12	Tao Cheng	Nanjing Agricultural University	China	Multi-scale Integrated Crop Growth Monitoring and Diagnosis for Smart Farming	P03008
O24-04(Invited)	12	Satoshi Iida	KUBOTA Corporation	Japan	Kubota's Initiatives on Smart Agriculture & Future Developments	P01053
O24-05	12	Hiroyuki Shiratsuchi	National Agriculture and Food Research Organization	Japan	Yield Increase and Fertilizer Decrease by Precision Fertilization in Transplanted and Direct-seeded Rice in the Northern Part of Japan	P01078
O24-06	12	Takashi S.T. Tanaka	Gifu University	Japan	Development of Robust Spatial Statistical Approach for On-Farm Experimentation	P01060

**Room 3 Thursday, September 9 (9:45-11:45) \*min.: Video Presentation Time****3.1. Temperature Stress (sponsored by Japan International Research Center for Agricultural Sciences (JIRCAS))**

Chair: Yoshimichi Fukuta Japan International Research Center for Agricultural Sciences, Japan  
 Chair: Donghe Xu Japan International Research Center for Agricultural Sciences, Japan

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O31-01 (Invited)	15	Huu-sheng Lur	National Taiwan University	Taiwan	High-temperature impacts on rice quality and adaptation strategy of rice production for climate change in Taiwan	P01112
O31-02 (Invited)	15	Zhaorong Hu	China Agricultural University	China	Genome-wide Associated Study Identifies GCN5-activated Glyoxal Metabolism Related Gene Conferring Heat Tolerance in Wheat	P01023
O31-03 (Invited)	12	Kazuo Nakashima	Japan International Research Center for Agricultural Sciences	Japan	Development of Technologies and Crops for Stable Food Production under Adverse Environments and Changing Climate Conditions	P01025
O31-04 (Invited)	12	Toshiyuki Takai	Japan International Research Center for Agricultural Sciences	Japan	Genetic Dissection of Heat Stress Tolerance at Anthesis among Three Rice Cultivars, IR64, Koshihikari, and Takinari	P01015
O31-05 (Invited)	12	Ken Hoshikawa	Japan International Research Center for Agricultural Sciences	Japan	Tomato Mutant HT7 Conferring Improved Fruit Set and Pollen Fertility Under long-term Ambient High Temperature	P01027
O31-06 (Invited)	12	Asami Tomita	Okayama University	Japan	Genetic Variation of Spikelet Sterility Induced by Typhoon in Introgression Lines with Genetic Background of an Indica Group Rice ( <i>Oryza sativa</i> L.) Variety IR 64	P01028
O31-07 (Invited)	12	Tsutomu Ishimaru	National Agriculture and Food Research Organization	Japan	Heat Resilience in Rice by Early-morning Flowering Trait	P01055

**Room 3 Thursday, September 9 (14:30-16:30) \*min.: Video Presentation Time**

F

**3.2. Drought Physiology**

Chair: Junichi Kashiwagi Hokkaido University, Japan

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O32-01 (Invited)	15	Amelia Henry	International Rice Research Institute	Philippines	Rice Drought Breeding Has Selected for Longer Flag Leaves and Lower Stomatal Density	P01177
O32-02 (Invited)	15	Matthew Reynolds	International Maize and Wheat Improvement Center	Mexico	Physiological Traits to Breed for Drought Adaptation	P02070
O32-03 (Invited)	12	Masahiro Kishii	International Maize and Wheat Improvement Center	Mexico	Potential of Wild Relatives to Improve Wheat Drought Tolerance	P01241
O32-04	12	Michihiko Fujii	Shizuoka University	Japan	Drought Resistance of NERICA, Asian Rice and African Rice with Effects of Compost and Potassium Fertilizer	P02010
O32-05	12	Emi Kameoka	Rakuno Gakuen University	Japan	Optimizing Intermittent Irrigation Methods That Maximize Rice Productivity while Saving Irrigation Amount by Promoting Root Developmental Plasticity with Adequate Level of Nitrogen	P01063
O32-06	12	Yukari Nagatoshi	Japan International Research Center for Agricultural Sciences	Japan	Transcriptome Analysis of Soybean Responses to Water Deficit Conditions in the Field	P01116
O32-07	12	Junichi Kashiwagi	Hokkaido University	Japan	The Ear Photosynthesis as Potential Source for Drought Yield Improvements in Wheat	P01178

**Room 3 Thursday, September 9 (17:00-19:00) \*min.: Video Presentation Time****3.3. Salinity**

Chair: Yoshihiko Hirai Okayama University, Japan  
 Chair: Sakae Agarie Kyushu University, Japan  
 Chair: Glenn Borja Gregorio Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), Philippines

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O33-01 (Invited)	15	Glenn Borja Gregorio	Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)	Philippines	Sustainable and Innovative Solutions to the Salinity Intrusion in the Mekong River Delta Affecting Rice Production	P02041
O33-02 (Invited)	15	Shiro Mitsuya	Nagoya University	Japan	Mechanism of Salt Removal Ability in Leaf Sheath of Rice and its Potential for Molecular Breeding	P01174
O33-03	12	Sayma Farabi	Bangladesh Agricultural University	Bangladesh	Morphological and Microsatellite Marker Assisted Genetic Diversity Analysis of Wheat Genotypes for Salinity Tolerance	P01114
O33-04	12	Satoru Sakuma	Osaka Prefecture University	Japan	Rice Memorizes Salinity Stress by Training and Improves the Salinity Stress Response and Yield	P02038
O33-05	12	Yoshihiko Hirai	Okayama University	Japan	Cl <sup>-</sup> More Detrimental Than Na <sup>+</sup> in Salt-stressed Rice	P02023
O33-06	12	Rachana Ouk	Nagoya University	Japan	Three-dimensional Analysis on the Internal Structure of Rice Leaf Tissue and the Intracellular Structure of Mesophyll Cells	P02057

**Room 3 Friday, September 10 (9:45-11:45) \*min.: Video Presentation Time****3.4. O<sub>2</sub> Deficiency, Submergence**

Chair: Mikio Nakazono Nagoya University, Japan  
 Chair: Feng Yu Hubei University, China

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O34-01 (Invited)	15	Feng Yu	Hubei University	China	A Group VII Ethylene Response Factor Gene, <i>ZmEREB180</i> , Coordinates Waterlogging Tolerance in Maize Seedlings	P01035
O34-02 (Invited)	15	Mikio Nakazono	Nagoya University	Japan	Adaptive Root Traits for Internal Aeration of Crops under Waterlogged Soil Conditions	P01040
O34-03 (Invited)	12	Rujito Agus Suwignyo	Sriwijaya University	Indonesia	Response of Rice Varieties with Difference Submergence Tolerance to Two Period of Submerged Stress	P01136
O34-04	12	Daisuke Sasayama	Kobe University	Japan	Adaptive Responses to Flood in Wild Rice Species with Various Genomes Other Than AA	P01186
O34-05	12	Quanshu Luo	Kobe University	Japan	<i>SNORKELS</i> and Deepwater Response in the African Cultivated Rice <i>Oryza glaberrima</i>	P01161
O34-06	12	Ju-young Choi	Chungbuk National University	Korea	Morpho-physiological Responses of Common Buckwheat ( <i>Fagopyrum esculentum</i> Moench) and Rice ( <i>Oryza sativa</i> L.) to Waterlogging Stress	P01231

**Room 4 Thursday, September 9 (9:45-11:45) \*min.: Video Presentation Time****4.1. Genetic Improvement of Crop Yield**

Chair: Taichiro Ookawa Tokyo University of Agriculture and Technology, Japan  
 Chair: Hiroshi Fukayama Kobe University, Japan  
 Chair: Masahiro Kishii International Maize and Wheat Improvement Center, Mexico  
 Chair: Shunsuke Adachi Tokyo University of Agriculture and Technology, Japan

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O41-01 (Invited)	15	Matthew Reynolds	International Maize and Wheat Improvement Center	Mexico	Physiological Traits to Breed for Yield Potential	P02069
O41-02	15	Hiroshi Fukayama	Kobe University	Japan	A Challenge for the Improvement of Photosynthetic Capacity by the Introduction of C <sub>4</sub> -Like Rubisco in Rice	P01102
O41-03	12	Sotaro Honda	Tokyo University of Agriculture and Technology	Japan	Predictive Modeling of Leaf Photosynthetic Rate in Field-Grown Rice Using Transcriptome Dataset	P01050
O41-04	12	Kazuki Taniyoshi	Kyoto University	Japan	Natural Variation in Photosynthetic Induction Response in Rice ( <i>Oryza sativa</i> L.)	P01179
O41-05	12	Tomohiro Nomura	Tokyo University of Agriculture and Technology	Japan	Identification of QTLs for Strong Culm with Pleiotropic Effect on Panicle Morphology by GWAS Using Rice Varieties in Japan	P01132
O41-06	12	Tomoko Hatanaka	Kobe University	Japan	Highly Active <i>Vernonia galamensis</i> DGAT1 Can Effectively Increase Oil Levels in Yeast, Soybean and Arabidopsis	P02033

**Room 4 Thursday, September 9 (14:30-16:30) \*min.: Video Presentation Time****4.2. Assimilate Partitioning for Crop Productivity and Quality**

Chair: Naohiro Aoki The University of Tokyo, Japan  
 Chair: Tatsuro Hirose Takasaki University of Health and Welfare, Japan  
 Chair: Yong-Ling Ruan The University of Newcastle, Australia

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O42-01 (Invited)	15	Yong-Ling Ruan	The University of Newcastle	Australia	Assimilate Partitioning in Crops: Developmental, Molecular, and Metabolic Aspects of Source-sink Interactions	P01190
O42-02 (Invited)	15	Tsuyoshi Furumoto	Ryukoku University	Japan	Physiological Significance of an Alternative Step of Calvin-Benson Cycle in C <sub>4</sub> Photosynthesis in Mesophyll Cell Chloroplasts	
O42-03	12	Mao Suganami	Fukushima University	Japan	Co-overproduction of Rubisco and Rubisco Activase Increases the Photosynthesis Rate under High Temperature in Rice	P01107
O42-04	12	Takanori Okamoto	Nagoya University	Japan	What Factor Affects Genotypic Difference in Endophytic Nitrogen-fixing Ability in Rice?	P01147
O42-05	12	Phyo La Pyae Won	Yezin Agricultural University	Myanmar	Sink-source Relationship in Short-duration and Hybrid Rice Varieties in Tropical Asia	P02055
O42-06	12	Naohiro Aoki	The University of Tokyo	Japan	Genetic Modification of Non-structural Carbohydrate Composition in the Stem of Rice	P01197

**Room 4 Thursday, September 9 (17:00-19:00) \*min.: Video Presentation Time****4.3. High Quality Food and Ingredients**

Chair: Yoji Nitta Fukushima University, Japan  
 Chair: Akiko Fujita Satake Corporation, Japan

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O43-01 (Invited)	15	Cailin Wang	Jiangsu Academy of Agricultural Sciences	China	How to Improve the Eating Quality of Japonica Rice in Jiangsu Province of China	P01133
O43-02	15	Tomoyuki Katsube-Tanaka	Kyoto University	Japan	The Conditional Chalky Grain Mutant <i>floury endosperm11-2 (flo11-2)</i> of Rice ( <i>Oryza sativa</i> L.) is Useful for Studies on Chalkiness	P01176
O43-03	12	Srun Khema	Ministry of Agriculture, Forestry and Fisheries	Cambodia	Utilization of Image Analysis and Sensing Device Analysis for Evaluating Grain Quality of Cambodia Low Land Rice	P03011
O43-04 (Invited)	12	Yoji Nitta	Fukushima University	Japan	Recent Trend of Ultra-Fine Structure of High-Quality and -Palatable Rice in Japan	P03006
O43-05	12	Nyein Htwe	Yezin Agricultural University	Myanmar	Effects of Packaging Materials and Storage Duration on Quality of Farm Saved Black Sesame ( <i>Sesamum indicum</i> L.) in Central Dry Zone of Myanmar	P01036
O43-06 (Invited)	12	Nese Sreenivasulu	International Rice Research Institute	Philippines	Deployment of Cooking and Eating Quality Models as a Novel Breeding Tool to Predict Texture and Premium Grain Quality Segments	
O43-07 (Invited)	12	Russell Reinke	International Rice Research Institute	Philippines	Agricultural Innovation for Improved Human Nutrition and Health	

**Room 4 Friday, September 10 (9:45-11:45) \*min.: Video Presentation Time****4.4. Root Genetics and Breeding (sponsored by the Japanese Society of Breeding)**

Chair: Yoshiaki Inukai Nagoya University, Japan  
 Chair: Yinglong Chen The University of Western Australia, Australia

Presentation No.	*min.	Name	Institute	Country/Region	Presentation title	Submission
O44-01 (Invited)	15	Yusaku Uga	National Agriculture and Food Research Organization	Japan	Towards Designed Genetic Improvement of Root System Architecture for Developing of Climate-resilient Rice	P01043
O44-02 (Invited)	15	Yinglong Chen	The University of Western Australia	Australia	Phenotyping and Modelling Root Trait Variability in Crop Species	P01110
O44-03 (Invited)	12	Jonathan Manito Niones	Philippine Rice Research Institute	Philippines	Genome-Wide Association (GWA) Mapping of Selected Philippine Rice Germplasm for Root Plasticity Alleles	P01213
O44-04	12	Takuya Koyama	Utsunomiya University	Japan	Non-destructive Method for Sampling, Preserving, and Analyzing Soil-grown Root Systems	P01099
O44-05	12	Ricky Vinarao	The University of Queensland	Australia	Physiological Traits and Genomic Regions Associated with Rice ( <i>Oryza sativa</i> L.) Root Cone Angle Grown in an Aerobic Production System	P01154
O44-06	12	Akira Yamauchi	Nagoya University	Japan	Functional Significance of Roots for Adaptation and Productivity of Crop Plants Grown under Various Environmental Stresses	P01246