Genetics, breeding, biotechnology

Board Number	Paper Title	Author	Day of Presentation
1	A genotypic inventory of modern European soybean germplasm and accessing genomics resources to the benefit of Central European soybean breeding	Max Haupt	Tuesday
2	AccuCalc: An easy-to-use Python Package for genomics assisted breeding of soybean	Jana Biová	Wednesday
3	Vegetable Soybean (Edamame): Challenges and Opportunities	Ramakrishnan Madhavan Nair	Tuesday
4	SoyBase.org: Integrate genetics, genomics and breeding data to advance soybean research	Jacqueline Campbell	Wednesday
5	Data Strategies, Techniques, Principles, and Practices: Harnessing the Power of Genomics and Phenomics for Accelerating Soybean Improvement	Mohsen Yoosefzadeh Najafabadi	Tuesday
6	Transgenic soybean expressing a gene from Amaranthus hybridus shows cross-resistance to ALS-inhibiting herbicides	Santiago Zujic Rinaldo Gosparini	Wednesday
7	High multiple shoot regeneration from embryonic axes of elite germplasm from soybean	Rinaldo Gosparini Santiago Zujic	Tuesday
8	Fine-mapping and Identification of a restorer-of-fertility Gene for the Cytoplasmic Male Sterility in Soybean	Chunbao Zhang	Wednesday
9	Phenotypic prediction of soybean based on the spectral reflectance spectra respond to drought stress	Yu Masuda	Tuesday
10	Mutation in the PHD-finger protein MS3 restores the fertility of male-sterile plant lines under long-day conditions in soybean	Jingjing Hou	Wednesday
11	Combined Physiological and Transcriptomic Analysis Reveals Key Regulatory Networks and Potential Hub Genes Controlling Chilling Tolerance during Soybean Germination	Hongwei Jiang	Tuesday
12	Identification of key salt-tolerant genes using RNA sequencing analysis in cowpea (Vigna unguiculata L.)	Byeong Hee Kang	Wednesday
13	Identification of QTLs related to high sucrose content in soybean.	Kang Sehee	Tuesday
14	Identification of QTL associated with salt tolerance in soybean mutant line induced by gamma-ray irradiation	Byeong Hee Kang	Wednesday
15	Developing a Low-Trypsin inhibitor Soy Variety Through CRISPR/Cas9 and Evaluating Low-TI's Fish Feed to Improve Soy-Based Aquafeeds for Steelhead Trout	Maria Luciana Rosso	Tuesday
16	Multifaceted phenotyping approaches toward QTL identification of drought tolerance of soybean (Glycine max [L.]) in the early vegetative stage.	Hakyung Kwon	Wednesday
17	GTA genotyping: A integrated Genome-wide & Targeted Amplicon genotyping platform for a combined Genomic Selection and Marker Assisted Selection	Maxime de Ronne	Tuesday
18	Progress in soybean grain yield and grain quality breeding at the Agricultural Institute Osijek, Croatia	Maja Matoša Kočar	Wednesday
19	A major locus governing flavanol contents in soybean seeds is independent of seed coat color	Jae Ah Choi	Tuesday
20	Genome-wide association study and genomic selection for soybean yield-related trait, quality and disease resistance for SCN and SMV	Jun Qin	Wednesday
21	Variation in oligosaccharide contents in soybean mini-core collections of NARO genebank	Kyoko Toda	Tuesday
22	Low-temperature pretreatment of soybean seeds enhances plant field performance and the content of free metabolites	Anelia Iantcheva	Wednesday

23	Rhizobial Type III Effectors have multiple function on the nodule trait of soybean	Dawei Xin	Tuesday
24	Tailoring coumarin biosynthesis for improved soybean protection	Alexander Beesley	Wednesday
25	GmTNL16 regulates immune response to Phytophthora root rot in soybean	Han Xing	Tuesday
26	A nitrogen fixing symbiosis-specific pathway required for legume flowering	Xia Li	Wednesday
27	The GmXTH1 gene improves drought tolerance of soybean seedlings	Yang Song	Tuesday
28	The B-type response regulator GmRR11d mediates systemic inhibition of symbiotic nodulation	Zhijuan Wang	Wednesday
29	Identification of quantitative trait loci (QTLs) and candidate genes for seed sucrose and soluble sugar concentrations in soybean	Changkai Liu	Tuesday
30	Functional validation of a candidate gene contributing to root length in soybean through CRISPR/Cas9-mediated mutagenesis.	Ludivine Brocard	Wednesday
31	Identification of the genes underlying soybean resistant to SMV via chromosome segments substituted lines derived from wild soybean	Dawei Xin	Tuesday
32	Developing and Deploying a UAS-based Pipeline for Determining Maturity of Soybeans	Nathaniel Burner	Wednesday
33	Identification of elusive Phytophthora sojae resistance gene in soybean through NLR gene targeted capture	Yanick Asselin	Tuesday
34	The Allele Catalog Tool: A Web-Based Interactive Tool for Allele Discovery and Analysis	Yen On Chan	Wednesday
35	Bioinformatics Tools and Frameworks for Translational Research	Yen On Chan	Tuesday
36	Identifying candidate genes responsible for soybean pod color using Synthetic phenotype to causative mutation strategy.	Ivana Kaňovská	Wednesday
37	Hyperspectral reflectance applications in soybean breeding research	Johann Vollmann	Tuesday
38	High-throughput phenotyping for temporal screening of soybean canopy cover and height assessed in different environments	Predrag Ranđelović	Wednesday
39	Cataloging SCN Resistance Loci in North American Public Soybean Breeding Programs	Anser Mahmood	Tuesday
40	Genomic Analysis of Sclerotinia Stem Rot (caused by sclerotinia sclerotiorum) Resistance in Canadian Soybean Germplasm.	Candidate Deus Mugabe	Wednesday
41	The Benefits of Artificial Light Supplementation in Soybeans	Cristian Brzezinski	Tuesday
42	The first two elite soybean varieties genetically edited in South America	Polyana Martins	Wednesday
43	Evaluating Soybean Protein Content and Breeding Strategies in the Americas	Thiago Marino	Tuesday
44	Integrated single-nucleus and spatial transcriptomics captures transitional states in soybean nodule maturation	Zhe Yan	Wednesday
45	Genome-wide association study (GWAS) for seed starch content in soybean	Jeong-dong Lee	Tuesday
46	Functional analysis of soybean NFR5α and ROP6 genes using Agrobacterium rhizogenes-CRISPR/Cas9 system	Mohsen Niazian	Wednesday
47	Construction of a Haplotype Database for Soybean based on Gene Region Variations	Yang-Jae Kang	Tuesday
48	Mining of resistance gene to pythium root rot of soybean and application in breeding	Yingdong Bi	Wednesday
49	Variation of Stomatal density within and between leaves of soybean cultivars	Jeong-dong Lee	Tuesday
50	Zinc-finger protein DISS1 from a quantitative trait locus contributes to salt tolerance in soybean	Jianjun Tao Jin-Song Zhang	Wednesday
51	Soybean Phenotyping: ideotypes for organic breeding	Vuk Djordjevic	Tuesday
52	D38-M3, new soybean variety resistant to Heterodera glycines for northwestern Argentina	Mario Rodolfo Devani	Wednesday

53	Pyramiding resistance to three fungal diseases by Molecular assisted breeding in soybean	Mario Rodolfo Devani	Tuesday
54	Global transcriptomics shows differential gene expression between two genotypes with contrasting response to Macrophomina phaseolina (Tassi)	Sebastián Reznikov José Ramón Sánchez	Wednesday
55	SPEED BREEDING IN A SOYBEAN COMERCIAL BREEDING PROGRAM	Marcos Franco	Tuesday
56	The germplasm as a key factor in the changes in the soybean production systems and yield increase in South America	Ezequiel Pozzo	Wednesday
57	Environmental characterisation to tackle genotype by environment interactions for soybean crop expansion	Chloé Elmerich	Tuesday
58	Agriplex 1K Soy Community SNP Panel: Trait Marker	Gustavo Kreutz	Wednesday
59	Identification of new resistance sources to soybean cyst nematode from the Korean soybean germplasm collection	Kyung Do Kim	Tuesday
60	Genetic Gains in the North Dakota State University Soybean Breeding Program	Forrest Hanson	Wednesday
61	Loss of function of GmSNAP02 on chromosome 2 confers resistance to soybean cyst nematode	Vinavi Gamage	Tuesday
62	Identification of novel candidate gene associated with sensitivity to phytotoxicity of etofenprox in soybean	Ji-Min Kim	Wednesday
63	Studying Iron Deficiency Chlorosis: Using Soybean to Turn the Model Right Side Up	Michelle Graham	Tuesday
64	Investigating novel QTL to improve iron deficiency tolerance	Jamie O'Rourke	Wednesday
65	Enhancing soybean breeding efficiency: A combined approach of genomic and phenotypic selection	Fernando Grignola	Tuesday
66	BREEDING RUST-RESISTANT SOYBEAN VARIETIES BY PYRAMIDING RESISTANCE GENES USING MARKER ASSISTED SELECTION IN MEXICO	Nicolás Maldonado-Moreno	Wednesday
67	QNE1 functions as a key flowering regulator determining the vegetative length of soybean cultivars	Zhengjun Xia	Tuesday
68	Exploration of selective genotyping and selective phenotyping for optimization of soybean genomic prediction models	Marina Ćeran	Wednesday
69	Identification of loci associated with protein and amino acid content in soybean germplasm suitable for growing in Europe	Ivan Pejić	Tuesday
70	Characterization of the population structure and genetic diversity of a Chinese soybean diversity panel	Sergio Ceretta	Wednesday
71	Assessment of grain quality traits in a Chinese soybean diversity panel	Juan E. Rosas	Tuesday
72	Coordinate Inheritance of Seed Isoflavone and Protein in Soybean	Qingsong Zhao	Wednesday
73	Protein and tofu quality: introgressing gy4 null allele into lipoxygenase free early Swiss line (000)	Claude-Alain Betrix	Tuesday
74	A major novel quantitative trait locus QTL02 in PI 90763 contributes to SCN resistance	Mariola Usovsky	Wednesday
75	PHYSIOLOGICAL RESPONSES OF MEXICAN SOYBEAN GENOTYPES TO WATER STRESS	Julio César García Rodríguez	Tuesday
76	MiniMax: an Arabidopsis-like model plant for soybean functional genomics	Shaun J. Curtin	Wednesday
77	Identification of loci associated with leaf gas exchange traits in soybean	Felix Fritschi	Tuesday
78	Implementation of molecular selection of soybean towards adaptation to Polish agroclimatic conditions	Danuta Kurasiak-Popowska	Wednesday
79	Determination of isoflavones contents in soybean cotyledons, using near-infrared spectroscopy and chemometrics	Jean Brustel	Tuesday
80	Explaining environmental influence on isoflavone accumulation in soybean cotyledon and embryo axis	Jean Brustel	Wednesday
81	Effects of increasing seed per pod on yield and yield components of field grown soybean sibling lines	Julieta Sofía Bianchi	Tuesday
82	Phenomic selection in soybean breeding	Vuk Djordjevic	Wednesday

83	Determining genetic mechanisms of soybean maturity in North Dakota: expanding the molecular model for early maturity groups 00 and 0.	Clara Evarist Jacob Mvuta	Tuesday
84	Genomic analysis and prediction within the Northern Uniform Soybean Tests	Aaron Lorenz	Wednesday
85	Taming the wild soybean: Discovery, validation and utilization of a non-pleiotropic seed protein QTL	Andrew Scaboo	Tuesday
86	Identification of genetic loci conferring seed coat color based on a high-density map in soybean	Xiaodong Liu	Wednesday
87	Research Progress in Soybean Recurrent Selection Breeding based on Male Sterile Gene ms1	Chunyan Yang	Tuesday
88	MORPHOLOGICAL DIVERSITY OF SOYBEAN IN MAIZE RESEARCH INSTITUTE COLLECTION	Vesna Peric	Wednesday
89	Genome-Wide characterization and expression in analysis of PRR gene family in Glycine max and Glycine soja	Yuqiu Li	Tuesday
90	Phenotyping Root System: Dynamics of below ground architecture for productivity of soybean under low soil moisture Presentation Type: Oral	Gyanesh Kumar Satpute	Wednesday
91	GmMLRK1 encoding a malectin-like receptor kinase provides resistance to soybean mosaic virus in soybean	Deyue Yu	Tuesday
92	Transcription factors GmERF1 and GmWRKY6 synergistically regulate low phosphorus tolerance in soybean	Dandan Hu	Wednesday
93	GmEIL4 enhances soybean (Glycine max) phosphorus efficiency by improving root system development	Dan Zhang	Tuesday
94	Soybean Natural Tolerance to Off-target Dicamba	Caio Canella Vieira	Wednesday
95	Genome-wide scan for oil quality reveals a coregulation mechanism of tocopherols and fatty acids in soybean seeds	Guodong Wang	Tuesday
96	Development of the 1K SNP panel for genetics and breeding applications for the Brazilian soybean germplasm	Ricardo Vilela Abdelnoor	Wednesday
97	Seed Protein Genetics Linked with Nitrogen and Phosphorus Translocation Efficiency in Soybean	Hong Liao	Tuesday
98	Mapping SCN resistance QTL in interspecific soybean crosses between Glycine max and Glycine soja	Seda Ozer	Wednesday
99	Circular RNAs: Potential Key Actors in Soybean Floral Transition	Mohan Singh	Tuesday
100	Genome-wide association analyses for Brazilian soybean breeding	Regina H G Priolli	Tuesday
101	A Pivot to Proteins in Australian Soybean Breeding	Andrew James	Tuesday
102	Rdm3 – a major QTL underlying resistance to southern stem canker in elite soybean germplasm	Zenglu Li	Wednesday
103	Deciphering transcriptional and metabolic regulation involved in plant-microbe interaction in soybean using Single-nuclei RNA sequencing (snRNA-seq) technology	Gunvant Patil	Tuesday

Feed, food, nutrition

Board Number	Paper Title	Author	Day of Presentation
107	Consumer Perception Assists Edamame (Vegetable Soybean) Variety Development	Bo Zhang	Tuesday
109	Soybean extraction using 2-methyloxolane as a bio-based alternative to hexane – from lab to industry	Mickael Bartier	Tuesday
111	Aggregation and gelation of soymilk protein after alkaline heat treatment	Yue Li	Tuesday
113	Analysis of Key Factors and Formation Mechanism of Douchi Flavor Components	Huiyan Zhao	Tuesday

115	SOYBEAN NUTRITIONAL QUALITY: INTRODUCTION OF THE WINTER COVER CROPS IN SOYBEAN ROTATIONS	Simona Jaćimović	Tuesday
117	A Bean Characteristic Model for Thermal Processing of Soybeans	Matthias Trimmel	Tuesday
119	Mechanism of the glucono-δ-lactone induced soymilk gelation: enthalpy and entropy transformation in the cross-linking of protein molecules	Xinran Liu	Tuesday
121	Study on the Effect of Soy Protein Subunit Composition on the Tofu Yield and Quality	Yueqiang Wang	Tuesday
123	Evaluation of off-flavor in soymilks made with Mexican soybean [Glycine max. (L.) Merr.] cultivars	Mónica López-Fernández	Tuesday
125	The processing characteristics of soy protein isolate at subunit level: Exploring the impacts of α and α′ subunits on SPI gelation and foaming properties based on natural hybrid breeding varieties	Hongling Fu Hansong Yu	Tuesday
127	Biogenic amines in Chinese fermented soybean curd: emphasis on formation mechanism, microbial contribution and control methods	Xin Jia	Tuesday
129	Spatial distribution of on-farm soybean Argentine quality	RODOLFO ROSSI	Tuesday
131	Soybean grain protein and oil differences between Argentine cropping areas: an on-farm sampling approach	Juan Martin Enrico RODOLFO ROSSI	Tuesday
133	A label-free aptasensor for turn-on fluorescent detection of ochratoxin A based on SYBR Gold and single-walled carbon nanohorns	Huanhuan Yang	Tuesday
135	Enzymatic activity of lipoxygenases from Mexican soybean [Glycine max (L.) Merr.] varieties	Mónica López-Fernández	Tuesday
137	The ability of productive energy (Arkansas Net Energy) to predict feed intake and feed conversion ratio for broilers as compared to metabolizable and classic net energy	Craig Coon	Tuesday
139	POWR1 is a domestication gene pleiotropically regulating seed quality and yield in soybean	Hengyou Zhang	Tuesday
141	Evaluation of new phosphorus sources for the northern region of Mato Grosso, Brazil	Edison Ulisses Ramos Junior	Tuesday
143	Amino acid, protein, fat content and length of growing period of soybean genotypes grown in Northeastern Europe	Tiia Kangor	Tuesday

Agronomy, physiology

Board Number	Paper Title	Author	Day of Presentation
144	Soybean seedling emergence under current and future climate across Europe and the possibility for sowing date adaptations	Jay-Ram Lamichhane	Wednesday
145	Projected future climate conditions for growing soybeans in Canada	Budong Qian	Tuesday
146	How fast can we plant soybean using advanced planting technology?	Michael Mulvaney	Wednesday
147	Selection for high and stable yield in soybean breeding lines using digital phenotyping methods	Beat Keller	Tuesday
148	Comprehensive Evaluation of Soybean Germplasm Resources Collected from China and Europe under Cold Conditions	Dezhi Han Li-juan Qiu	Wednesday
149	Screening of Soybean Genotypes Based on Root Morphology and Shoot Traits Using the Semi-Hydroponic Phenotyping Platform and Rhizobox Technique	MOHAMMAD SALIM	Tuesday
150	Relay-cropping of soybean cultivars into wheat for ecological intensification of agriculture	Philippe Debaeke	Wednesday
151	Supplemental pollination by an adequate honeybee population provides improved soybean yields	Décio Luiz Gazzoni	Tuesday
152	Proximity with bee repositories increases soybean yield	Décio Luiz Gazzoni	Wednesday

153	Application of Collecting trough method to identify the drought resistance of soybean	Junkui Ma	Tuesday
154	Effects of temperature and light conditions during the late growth stage on delayed stem senescence and cytokinin levels in the xylem exudate of soybean	Yohei Sasaki	Wednesday
155	Soybean in 1000 gardens - Catching Rhizobia to introduce high protein containing soybean for a sustainable agriculture in Flanders	Margo Vermeersch	Tuesday
156	Transcriptomic and ecophysiological analyses revealed contrasted soybean mineral nutrition under individual or combined heat and water stresses	Corentin Maslard	Wednesday
157	Wisconsin Soybean Variety Performance Trials: Providing Information to Help Producers Meet Their Goals	Adam Roth	Tuesday
158	A large network of soybean fields analyzed to determine yield-limiting factors and improve soybean crop in France	Hélène Tribouillois	Wednesday
159	The use of biostimulants in soybean cultivation and their impact on yield and quality	Anna Jama-Rodzeńska	Tuesday
160	Sowing date as a factor that affects the yield and quality of soybean seeds	Magdalena Serafin-Andrzejewska	Wednesday
161	Effect of struvite (Cristal Green) fertilization on biometric traits and changes in soil elements content under soyabean cultivation	Anna Jama-Rodzeńska	Tuesday
162	Regulation of pod setting by photoperiod after flowering in soybean (Glycine max (L.) Merr.)	Takatoshi Taniguchi	Wednesday
163	Western hemisphere quality and production capacity of soybean protein	Anibal Cerrudo	Tuesday
164	Effect of different Nitrogen Sources on Soybean Growth: from nodule efficiency to yield.	Justine Colou	Wednesday
165	Transcriptome mapping key genes encoding PR1 protein involving in necrosis responding to SMV infection basing on bulked segrgant analysis	Tiantian Zhao Jun Qin	Tuesday
166	Linkage Analysis and Genome-Wide Association Analysis of Seed Coat -Traits in Soybean	Tiantian Zhao Jun Qin	Wednesday
167	Effect of Winter Cover Crops and Tillage Systems on Soybean Production	Syam Dodla	Tuesday
168	Streptomyces spp. treatment increases soybean yield and seed quality under field conditions	María Amalia Chiesa	Wednesday
169	Responses of leaf expansion and plant transpiration of different soybean genotypes to soil water deficit	Lin Kang	Tuesday
170	Economic analysis of different crop rotations that include soybean in Tucumán, Argentina in the period 2013/2014-2021/2022	Daniela Rossana Pérez	Wednesday
171	Organic & low input soybean production: Role of winter cover crops in production systems and its effect on yield parameters	Marjana Vasiljević	Tuesday
172	ECOBREED participatory trials as valuable tool for farmer involvement in soybean breeding process	Marjana Vasiljević	Wednesday
173	Dynamics of tocopherol concentrations accumulation in soybean exposed to brief episodes of heat and drought stress during grain filling	Rodolfo Veas	Tuesday
174	Early detection of bacterial pustule on soybean through hyperspectral imaging	Kim Yoonha	Wednesday
175	Using simple cultivar phenotyping and photothermal algorithm to explore the suitability of soybean crop in France	Pierre Maury	Tuesday
176	Preserving soybean seed quality with Insuter Bag Bio® vacuum technology	Raquel Benavidez	Wednesday
177	The mechanism of green stem disorder (GSD) through functional linkage between above- and below-ground part in soybean (Glycine max (L.) Merr.)	Akira Tanimoto	Tuesday
178	Corn insertion into a long-term continuous soybean cropping system accelerates the changes of soil bacterial functional structure in promoting soil nutrient cycling	Wei Zhang	Wednesday

179	Preliminary results of underground drip irrigation on soybean and other crops, in Tucumán, Argentina	José Ramón Sánchez	Tuesday
180	Analysis of soybean maturity groups in northwestern Argentina	Fernando Ledesma José Ramón Sánchez	Wednesday
181	Varietal differences in branching plasticity of soybean cultivars in relation to planting density	Taiki Yoshihira	Tuesday
182	An approach using ultrasound technology for zinc supplementation in soybean seeds	Clíssia Mastrangelo	Wednesday
183	Fast-K: a prompt determination method to foliar K concentrations in soybean under field conditions	Fábio Alvares de Oliveira Ruan Francisco Firmano	Tuesday
184	An investigation of soil properties in soybean fields and their correlations in the Paranapanema Valley, Brazil	Ruan Firmano	Wednesday
185	PROTEIN EXTRACTION PROTOCOL FOR THE EARLY PROTEOMIC PROFILE OF SOYBEAN GERMINATION	Raquel Benavidez	Tuesday
186	Developing Soil-Test-Based Phosphorus and Potassium Fertilizer Recommendations for Soybean	Rasel Parvej	Wednesday
187	Nitrogen fertilizer application of commercial soybean farms and its impact on soybean yield and nutritional composition in Hungary	Ildikó Edit Tikász	Tuesday
188	THE FUNCTION OF NITROGEN NUTRIENT ON THE MONOCARPIC SENESCENCE IN SOYBEAN	Shao-hui Zheng	Wednesday
189	Chilling tolerance and early sowing of soybeans in Northern Germany	Christiane Balko	Tuesday
190	Technological quality of soybean food-grade varieties and lines in northeast Italy	Thomas Lazzarin	Wednesday
191	Monitoring of the quality of French soybean production	Françoise Labalette Claire Ortega	Tuesday
192	Monitoring of the quality of French soybean production	Françoise Labalette Claire Ortega	Wednesday
193	Physiological roles of magnesium on rubisco activity, biological nitrogen fixation, yield and seed quality of soybean plants	Andre Rodrigues dos Reis	Tuesday
194	Can vetch as a previous cover crop counteract N limitation in high-yielding soybean?	Fernando Salvagiotti	Wednesday
195	Increasing soybean production in Europe: impact on cropping systems and environmental impacts	Julie Constantin	Tuesday
196	AFERE: soil fertility assessment and fertilizer recommendation webtool to agricultural systems	Cesar De Castro Ruan Francisco Firmano	Wednesday
197	Keeping Rhizobia Inoculant high quality standards: a challenge for French organizations, inside Europe	Xavier Pinochet	Tuesday
198	Functional anatomy of Glycine max L. cv Minimax leaves	Shaun J. Curtin	Wednesday
199	Late Season Nutrient Application on Soybeans for Yield and Grain Quality	Peter Kovacs	Tuesday
200	Planting Date Effects on Soybean Response to Sulfur	Shaun Casteel	Wednesday
201	Lodging and photomorphogenic light signals responses in two siblings lines of late maturity group with differences in plant height	Alvaro Quijano	Tuesday
202	Enhancing soybean adaptation to winter sowing under rainfed conditions in mild Mediterranean climates.	Osman Zakaria Wohor	Wednesday
203	Understanding short season soybean adaptation, yield, and its components in Western Canada	Ayza Camargos	Tuesday
204	Phenotyping of soybean phenology to temperature and photoperiod	Pierre Maury Philippe Debaeke	Wednesday
205	Manipulating of GmPTF1a/b improved nutrient efficiency through root architecture modifications and nodulation in soybean	Xinxin Li	Tuesday
206	Decipher rhizosphere bacterial communities of soybean in soybean-maize intercropping system	Hong Liao	Wednesday

207	Capturing the phosphorylation of NARK, the central kinase controlling nodulation in soybean	Sylwia Struk	Tuesday
208	Effect of row spacing, seeding rate and nitrogen fertilization on yield and yield components of soybean	Reinhard Neugschwandtner	Wednesday
209	Climate change in Ukraine, its impact on agriculture and the need to find adaptive solutions in this context	Iryna Korchahina	Tuesday
210			Wednesday
211	Influence of fertilization on yield and protein content of selected soybean varieties in Austria	Stefan Geyer	Tuesday

Weeds, diseases, pests

Board Number	Paper Title	Author	Day of Presentation
212	Soybean weed control in the mid-south United States	Thomas Mueller	Wednesday
214	The use of rhizobacteria Bacillus subtilis for biotic stress management in soybean plants	Djordje Malenčić	Wednesday
216	HPLC analysis of phenolic acids and flavonoids in soybean seedlings inoculated with Trichoderma asperellum	Djordje Malenčić	Wednesday
218	Weed reduction in Soybean: A comparison between chemical and mechanical weed reduction taking into account plant height and yield effects	Bram Vervisch	Wednesday
220	D. caulivora has both mating type genes but D. longicolla has either MAT1-1-1 or MAT1-2-1 making it heterothallic	Behnoush Hosseini	Wednesday
222	Mechanical weed control interacts with soybean yields in organic farming in Luxembourg	Mathieu Wolter Richard David	Wednesday
224	Testing soybean varieties for their tolerance against Rhizoctonia solani anastomosis group 2-2IIIB	Greet Tavernier	Wednesday
226	Diversity and prevalence of plant-parasitic nematodes associated with soybean in Kenya	Harun Murithi	Wednesday
228	Twenty-one years of free soybean cyst nematode testing and education in Wisconsin	Jillene Fisch	Wednesday
230	Using cultivar traits and spatial arrangement as strategies to improve weed suppression in soybean	James Ajal	Wednesday
232	Incidence and severity of “Mustard leaf spot” of soybean in Africa	Harun Murithi	Wednesday
234	Soybean Floral Display, Pollen Production, and Yield are Impacted by Simulated Drift Rates of Auxin Herbicides	Thomas Butts	Wednesday
236	COST OF WEED RESISTANCE TO HERBICIDES IN SOYBEAN CROP IN BRAZIL	Fernando Adegas	Wednesday
238	Biological control of charcoal rot of soybean in Tucumán, Argentina	Juliana Bleckwedel	Wednesday
240	Biological control of Sclerotinia sclerotiorum on soybean in Catamarca, Argentina	Juliana Bleckwedel	Wednesday
242	Efficacy of single-site and multi-site fungicides mixtures for management of soybean foliar diseases in northwestern Argentina	Leonardo Daniel Ploper	Wednesday
244	Weather factors associated with stress in soybean in northwestern Argentina during the 2021/20022 growing season	Leonardo Daniel Ploper	Wednesday
246	XEG1: a case study of microbial attack and plant immunity in the apoplast	Yuanchao Wang	Wednesday
248	Response of soybean advanced lines to Macrophomina phaseolina in northwestern Argentina	Fernando Ledesma	Wednesday
250	Influence of two stink bug species (Heteroptera: Pentatomidae) on soybean morphological traits	Željko Milovac	Wednesday
252	Soybean Stem Canker: Molecular Markers Assisted Stacking of Rdm/Rdc genes	María Amalia Chiesa	Wednesday

254	Aggressiveness among isolates of Diaporthe caulivora, the main cause of stem canker of soybean in Uruguay	Jhon Larzábal	Wednesday
256	Harmonia axyridis Immigration and Oviposition in Response to Variable Aphid Density on Soybean	Kelley Tilmon	Wednesday
258	Exploring the potential of reduced herbicide doses in soybean cultivation with conventional and conservation soil tillage	Aleš Kolmanič	Wednesday
260	Impact of cultivar, row spacing, and herbicide combinations on weed control efficacy and yields of soybean	Aleš Kolmanič	Wednesday
262	The influence of weather and climate changes on the occurrence of diseases	Tomislav Duvnjak	Wednesday
264	Efficacy of cyclobutrifluram to control charcoal rot on soybean in northwestern Argentina	Sebastian Reznikov	Wednesday
266	Lignin may decrease Phytophthora root and stem rot occurrence on soybean seedlings as a physical barrier?	Terufumi Tada	Wednesday
268	Volatile organic compounds for plant disease management	Dra Mercedes Scandiani	Wednesday
270	Genome analysis of the pathogen causing Cercospora leaf blight and purple seed stain of soybean	Takeshi Kashiwa	Wednesday
272	Gene regulation and expression dynamics of maternal effect and early zygotic transcripts in Riptortus pedestris (Fabricius, 1775)	Delbert Almerick Tan Boncan	Wednesday
274	Are narrow-leaved soybean cultivars much less competitive than broad-leaved to weeds? A comparative analysis of two cultivars	David Richard	Wednesday
276	Competition between different soybean varieties and selected broadleaf invasive weeds	Jovana Krstić	Wednesday
278	The influence of different densities of invasive weeds on the dry plant biomass of soybean	Jovana Krstić	Wednesday
280	Mapping Quantitative Disease Resistance Loci Conferring Resistance to Multiple Pythium Species in Two Soybean Populations	Saghai Maroof	Wednesday
282	Functional divergence of a glycoside hydrolase and its decoy partner in Phytophthora evolutionary continuum	Zhenchuan Ma Yuanchao Wang	Wednesday
284	The green stem and foliar retention syndrome caused by Aphelenchoides besseyi in the Brazilian soybean crop	Mauricio C. Meyer	Wednesday
286	Two decades of Asian soybean rust in Brazil	Mauricio C. Meyer	Wednesday
300	Soybean resistance against Asian soybean rust potentiated by Optimus®, a novel-induced resistance booster	Maiara Carolina Jacobucci	Wednesday
302	Agricultural benefits of herbal leaving mulching in soybean production	Agnieszka Klimek-Kopyra	Wednesday

All other topics

Board Number	Paper Title	Author	Day of Presentation
287	Using soybeans to help K-12 instructors teach Environmental Science and Biology concepts	Alexander Lindsey	Wednesday
288	Effect of plant growth regulator treatment on isoflavones in soybean	Jinhee Seo	Wednesday
289	1000 Gardens: Citizen science to investigate adaptation of soybean across Germany	Cleo Aline Döttinger	Tuesday
290	Survey of the French soy industry	Claire Ortega Françoise Labalette	Wednesday
291	Economic analysis of organic soybean cultivation in Luxembourg, based on a site-specific scenario analysis	Mathieu Wolter	Tuesday

292	Changes in nodule bacterial community may determine soybean symbiotic nitrogen fixation under elevated CO2	Yansheng Li	Wednesday
293	Argentina’s soybean meal: A threat or an opportunity in the sight?	Guido D'Angelo	Tuesday
294	Advances in crop and weed management of edamame grown in the United States.	Marty Williams	Wednesday
295	Jacquin and Haberlandt: Milestones of Austrian soybean history	Leopold Rittler	Tuesday
296	Amino Acid profile evaluation on Argentinean on-farm sampled soybean	Juan Martin Enrico	Wednesday
297	Soya geographical origin investigation using inductively coupled plasma-mass spectrometry combined with elementomics	Yunhe Hong	Tuesday
298	Legume Hub	Jasmin Karer	Wednesday