International Scientific Conference

"Plant Production in Agriculture and Forestry in the 21st Century"-PPAF 2026

November 5–7, 2026, **Kneza Miloša 9/ III Belgrade, Serbia,**

AGENDA

	WEDNESDAY, November 4th , 2026
16:00 - 18:00	**REGISTRTION OF PARTICIPANTS (HOTEL Mercure)**
18:00 - 19:00	**SOCIAL PROGRAM (HOTEL Mercure)**
	THURSDAY November 5th, 2026
09:00 – 18:00	**REGISTRTION OF PARTICIPANTS**
09:00 – 10:00	**WELCOME TIME ("Nikola Tesla" Engineers' House, Kneza Miloša 9/ III Belgrade)**
10:00 - 10:30	**CONFERENCE OPENING CEREMONY AND WELCOME WORD**
	Chairpersons: Ilija ĆOSIĆ, Svetlana ROLJEVIĆ NIKOLIĆ, Neşe YAMAN, Vasilije ISAJEV, Ljubinko RAKONJAC, Saša ORLOVIĆ
	President of Engineering Academiy of Serbia: **Prof. dr Ilija Cosić** **Representative of the Ministry of Science, Technological Development and Innovation of the Republic of Serbia** President of Scintific Commity: **Prof. dr Vasilije Isajev**
10:30 - 11:45	**Plenary session I: Chairpersons: Svetlana Roljević Nikolić, Menkovska Mirjana, Dragutin Djukić, Ljubinko Rakonjac, dr Vasilije Isajev**
10:30 – 09:50	**Pedro Reis** – Portugal **„Food security or food sovereignty? From concepts to agriculture nexus“**
10:50 – 11:10	**Neşe Yaman –** Turkey **„Digital technology used in agricultural irrigation“**
11:10 – 11:30	**Elena V. Kozar –** Russia **„Spatio-temporal ploidy dynamics in rapeseed regenerants derived from microspore culture”**
10:30 – 11:45	Coffee Break
11:45 - 13:00	**Plenary session II: Chairpersons: Maria Fomicheva, Valentina Španić, Marieta Nesheva, Brigitta Toth**

11:45 - 12:05	**Saša Orlović -** Serbia **„Forestry scientific research in the era of climate change“**
12:05- 12:25	**Vasilije Isajev -** Serbia **„The development of technological process of planting stock production in forestry“**
12:25 - 12:45	**Otilija Miseckaite -** Lithuania **„Land reclamation in Lithuania“** –
12:45 - 13:00	Coffee Break
13:00 - 15:00	**Plenary session III:** **Chairpersons: Nese Yaman, Otilija Miseckaite, Željko Dolijanović, Desimir Knežević**
13:00 - 13:20	**Michele Pisante –** Italy **„In-field positron emission tomography -the imaging revolution in digital precision agriculture“**
13:20 - 13:40	**Maria Fomicheva –** Russia **„CRISPR/Cas-mediated mutagenesis of the CENH3 gene for haploid induction in tomato for accelerated parental line production“**
13:40 - 14:00	**Menkovska M.,–** North Macedonia **„The role of wheat proteins in nutrition and its technological quality“.**
14:00 - 15:00	**Lunch**
15:00 - 16:40	**Plenary session IV:** **Chairpersons: Csilla Toth, Melpomeni Nikou, Mirela Matković Stojšin, Saša Orlović, Pedro Reis**
15:00 – 15:20	**Melpomeni Nikou -** Greece **– “Genesis: AI and HPC pipeline for genomic selection in climate-smart crop breeding”**
15:20 - 15:40	**Marieta Nesheva –** Bulgaria “**Evaluation of European plum (*Prunus domestica* L.) cultivars for sustainable fruit production and breeding under the agro-climatic conditions of South-Central Bulgaria**” **Valentina Španić, –** Croatia
15:40 - 16:00	**„Role of heading date, plant height, and anther extrusion in fusarium head resistance in a wheat mapping population“-**
16:00 - 16:20	Pranee Sanwong, Kittiwan Klarod, Warunya Paethaisong, Paweena Saleethong, Piyada Theerakulpisut, **Anoma Dongsansuk -** Thailand **“Phase-dependent and genotype-specific responses to KNO_3 priming during rice germination under salinity stress”**

16:20 - 16:40	Coffee Break
16:40- 17:40	**POSTER SESSION I** **Chairpersons: Bojana Ristanović, Sibel Ipekeşen, Teodora Jovanović, Zsuzsanna Uri, Dragan Grčak, Milosav Grčak**
18:00	**Visit to the Nikola Tesla Museum**
20:00 - 00:00	**Personal Choice**
FRIDAY **November 6th, 2026**	
9:30- 10:35	**Chairpersons: Neşe Yaman, Maria Fomicheva, Otilija Miseckaite, Sibel Ipekeşen, Elena Kozar**
9:30 - 9:45	**Tofig Allahverdiyev, Novruzov L. –** Azerbaijan **„Effect of different doses and application form of nitrogen fertilizer on some physiological parameters and grain yield of bread wheat genotypes“**
9:45 - 10:00	**Tomovska J.„, Momirceski J., Mashkovic J., Tomska K.-** North Macedonia **„Determination of antioxidative activity in two raspberry varieties using different methods“**
10:00-10:20	**Dragutin Djukić -** Serbia **“Quality criteria and environmental-hygienic safety assessment of soils and organic fertilizers”**
10:20-10:35	**Teodora Jovanović -** Serbia **Evaluation of the bioherbicidal effects of *Atremisia dracunculus* essential oil on weeds**
10:35 - 12:00	**Chairpersons: Melpomeni Nikou, Milena Simić, Menkovska Mirjana, Marieta Nesheva, Valentina Španić, Pedro Reis,**
10:35-10:50	**Jelena Topić Božić -**Slovenia **„Grape pomace as a sustainable source for the synthesis of stable natural pigments: from anthocyanins to pyranoanthocyanins“**
10:50 - 11:05	**Perović Nataša., Ristanović Bojana -**Montenegro **„Digital advertising of small wine producers in Montenegro: current status and trends“**
11:05 - 11:20	**Angelova Daniela, Nesheva Marieta, Gandev Stefan** -Bulgaria **„Floral biology of hazelnut cultivars grown in Plovdiv, Bulgaria**

11:20 - 11:40	**Petrović N., Polovina S., Obradović, S., Šljukić, B.** **„Spatial identification of low productive agricultural land as potential for afforestation in Serbia“**
11:40 - 12:00	Coffee Break
12:00 - 12:30	**Chairpersons: Gordana Branković, Pavel Čermak, Jelena Topić Božić, Dušan Urošević, Angelova Daniela**
12:00 - 12:15	**Čermák P., Štolcová M., Dědina M., Jevič P., Lošák T. -**Czech Republic **“The calculation of GHG emissions - crop & animal production””**
12:15 - 12:30	**Ristanović Bojana, Perović Nataša-** Montenegro **„Organic sheep farming as a climate-smart opportunity for small farms in Serbia“**
12:30 - 12:50	**Knežević Desimir,** Roljević Nikolić S., Jovanović Z.., Ćirković B., Grčak D., Grčak M., Milošević B., Mićanović, D. **-**Serbia **“Sustainable agriculture for resource preservation and food production”**
12:50 - 13:50	**POSTER SESSION II** **Chairpersons: Bojana Ristanović, Sibel Ipekeşen, Teodora Jovanović, Zsuzsanna Uri, Dragan Grčak, Milosav Grčak**
13:50 - 14:50	**LUNCH**
14:50 - 16:30	**Chairpersons: Gordana Branković, Pavel Čermak, Jelena Topić Božić, Dušan Urošević, Angelova Daniela**
14:50 - 15:10	**Tóth Brigitta -** Hungary **„Plant stress physiology: insights into plants responses to abiotic and biotic stress factors“**
15:10 - 15:20	**Zarya Rankova -**Bulgaria **„Modern environmentally sustainable approaches to soil surface management and weed control in fruit orchards in Bulgaria”**
15:20 - 15:30	**Elisovetcaia D.,** et al. Moldova **Gender structure and reproductive trait variation in two Slovak populations of *Juniperus communis* L.**
15:30 - 15:40	**Lamine Coulibaly-** Mali **„Impacts of climate change and variability on agricultural productivity and farmers' adaptation“**

15:40 - 15:50	**Issa Traore -** Mali **„Importance of climate smart agriculture in food security“**
15:50 - 16:00	**<u>David,</u> Pervez Inayat M-** Pakistan **„Development of climate-smart agriculture and forestry an important need in Pakistan“**
16:00 - 16:10	**Ebrima Camara --** Gambia **Non-timber forest products in African drylands**
16:10 - 16:20	**Faye Samba -** Senegal **Agricultural economics evolution and value chains**
16:20 - 16:30	**Lena Diaw -** Senegal **Agricultural policy and development of agroforestry groundnut in Senegal**
16:30 - 18:30	A visit to the Temple of Saint Sava in Vračar
20:00 - 00:00	**GALA DINNER -** restaurant
SATURDAY November 7th, 2026	
09:00 - 10:00 11:00 - 15:00	**CLOSING CEREMONY, CONCLUSIONS AND NEW PLANS Botanical Garden/SASA Gallery-the exhibition “Governing the Line”**

POSTER SESSION

16:40- 17:40 THURSDAY, November 5th, 2026

12:50 - 13:50 FRIDAY, November 6th, 2026

Home of Engineers and Technicians of Serbia "Nikola Tesla" Kneza Miloša 9/ III Belgrade

THURSDAY, November 5th, 2026
16:40- 17:40
Moderators: Bojana Ristanović, Sibel Ipekeşen, Teodora Jovanović, Zsuzsanna Uri, Dragan Grčak, Milosav Grčak

Simić M., Tolimir M., Dragičević V., Dolijanović Ž., Pavlović N., Šenk M., Brankov M.

P 1 **„Contirbution of crop rotations to maize productivity under unfavorable climate“**

Branković G., Radinović I., Knežević D., Đurić N., Urošević D.

P 2 **Root length response of bread wheat to different intensity of drought in field and in glasshouse**

Branković G., Radinović I., Knežević D., Đurić N., Urošević D.

P 3 **Effects of different intensity of peg-induced osmotic stress on primary root length of bread wheat seedlings**

Branković G., Radinović I., Knežević D., Đurić N., Urošević D.

P 4 **Correlation between root length and grain yield in bread wheat under drought occurring in different growth stages**
Stojičić D., Košanin O., Novaković M.

P 5 **Physical properties of calcomelanosols in the area of the Osmača and Tisovac forest complex in Bosnia And Herzegovina (Republic of Srpska)**
Marković Tomica TM., Melaku Kindineh KM., Cerjak Marija MC

P 6 **Consumer attitudes, willingness to pay and farmers' adoption of agroforestry: insights from recent literature**
Grčak Dragan, Grčak Milosav, Knežević Desimir, Aksić Miroljub, Nikolić Katerina, Jasnić Ivana

P 7 **Effects of insecticide treatment and cultivar on the final incidence of *Oulema melanopus* injury in wheat**
Grčak Dragan, Grčak Milosav, Knežević Desimir, Gudžić Slaviša, Gudžić Nebojša, Nikolić Katerina

P 8 **Winter rye–pea intercropping reduces the disease index of leaf rust under temperate field conditions**
Dolijanović Ž., Simić M., Šeremešić S., Dragičević V., Biljić M.

P 9 **Influence of tillage system, supplementary nitrogen nutrition and variety on grain yield of winter wheat**
Brković P., Matković Stojšin M., Damnjanović J., Luković K., Zečević V., Lazarević J., Roljević Nikolić S.

P 10 **Multi-environment evaluation of wheat genotypes for plant stature stability using GGE biplot analysis**

P 11 Kirill A. Cherniaev, Maria G. Fomicheva

P 12
Advancing haploinducer development: optimizing CRISPR vector platforms and mutation strategies
Isidora Knežević, Jelena Damnjanović, Helena Todorovic, Dragana Stevanović, Jovan Lazarević, Aleksa Đukić, Luka Marjanović

P 13
Comparison of different fertilizer concentrations on yield and protein content of wheat (*Triticum aestivum* L.)
Todorović H., Vojnović Đ., Damnjanović J., Tomić B., Vukićević K., Ilić A., Popović-Đorđević

P 14
Evaluation of morphological traits and protein content of local common bean genotypes under field conditions
Darko Jovanović, Biljana Šević, Jelena Stojiljkoić, Vera Rajičić, Kristina Luković, Milan Ugrinović, Ivan Tupajić

P 15
Influence of combined measures on production characteristics of pepper fruit
Andjelković S[1]., Milenković J., Jevtić G., Babić S

P 16
Evaluation microbiological properties of agricultural soils on the territory of the City of Bor
Yorulmaz, SA.[1], Yorulmaz, L., **Ipekeşen, Sibel**., Biçer, BT[1]

P 17
The effect of waterlogging treatment on plant characteristics in lentil and chickpea
Dušan Urošević, Desimir Knežević, Mirela Matković Stojšin, Artiona Laze, Gordana Branković, Tatjana Ivanović, Veselinka Zečević

P 18
Variability of primary spike mass in wheat varieties (*Triticum aestivum* L.)
Akkuş Mehmet Halit, **Basbag Seme**. Polat Nizar

P 19
Weed detection in some field crops using UAV-based orthophotos
Albayrak Çelik B., **Toncer Ozlem**

P 20
Planting density and fertilizer effects on essential oil composition of *L. angustifolia*
Stephen Kofi Datsomor

P 21
The State of Plant Production in Reducing Hunger and Poverty in Ghana
Yusuf Uçar

P 22
„Water ethics in the era of climate change
Artiona Laze et al.
Nitrogen Fertilization In European Wheat Cultivation

FRIDAY, November 6th, 2026
12:50 - 13:50
Moderators: Bojana Ristanović, Sibel Ipekeşen, Teodora Jovanović, Zsuzsanna Uri, Dragan Grčak, Milosav Grčak

Georgiana Thomas

P 1 **Enhancing Crop Yield and Adaptability through Sustainable Soil Management and Effective Eco-friendly Practices in Sierra Leone**
Juliana Adama Koroma

P 2 **The impact of Sustainable Farming on Crop Productivity and Soil Health in Sierra Leone**
Toth Cs., Szegedi R.

P 3 **To Fight or to Adapt? Divergent Structural and Metabolic Survival Strategies of Four *Lamiaceae* Species Under Drought**
Szabo B.

P 4 **An analysis of the cultivation of hairy vetch (*Vicia villosa* Roth.) in the Nyírség region**
Halasz J.

P 5 **Biological indicators as complementary tools to conventional physical and chemical soil analyses for a more comprehensive assessment of soil functioning**
Irinyi Olah K.

P 6 **The effect of alternative fertilization methods on the yield of different pepper (*Capsicum annuum* L.) varieties**
Vigh Sz., Irinyi Olah K., Szabo B., Uri Zs.

P 7 **Investigating the effect of different cover crops on the physical and chemical properties of soil**
Zsuzsanna Uri

P 8 **Effect of Sowing Date of a Multispecies Cover Crop Mixture on Soil Properties**
Elisovetcaia D., Ivanova R., Harutyunyan Z., Lutcan E., Brindza J.

P 9 **Gender structure and reproductive trait variation in two Slovak populations of *Juniperus communis* L.**
Velichkov G., Tringovska I., **Vasileva K.**, Yankova V.

P 10 **Fungistatic effect and tomato productivity under application of micronized minerals**
Velichkov G., Vasileva K., Yankova V.

P 11 **Efficacy of wood vinegar as a non-chemical means for the control of key plant pathogens**
Simin Hagh-Nazari, Sarina Rezaei Shojaei, Zoran Jovanović, Božidar Milošević, Desimir Knežević

P 12 **Impact of nutrient on human health**
Papa Camara

P 13 **Enhancing soil fertility and tomato productivity in the Gambia's west coast region through organic amendments**
Muhammed Camara

P 14 **Food safety and hygiene in rural communities in the Gambia**
Ebrima Camara

P 15 **Non-timber forest products in African drylands**
Samba Faye

P 16 **Agricultural economics evolution and value chains**
Coumba Niass.

P 17 **Nutritional impact of ultra-processed foods in Dakar, Senegal**

P 18 Lena Diaw

Agricultural policy and development of agroforestry groundnut in Senegal
Mor Fall
P 19 **Assessing Senegal agricultural policies for the rural poor**
Jammeh Malick
P 20 **Food processing and preservation reducing post harvest losses through extension**