

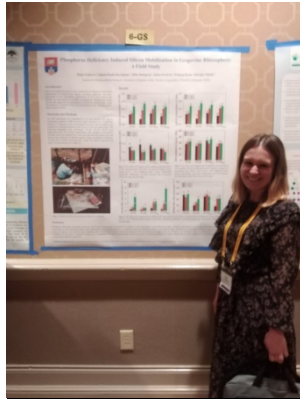
## **Si4Crop: REPORT OF SCIENTIFIC CONFERENCES**

Members of Si4Crop Team attended two scientific conferences during Project duration.

### **8<sup>th</sup> Conferences on Silicon in agriculture, May 23-26, 2022; New Orleans, Louisiana, USA**

Dr. Ljiljana Kostic Kravljanac, Dr. Jelena Pavlovic and Maja Trailovic attended the conference. They have presented 5 papers in the form of poster presentations. Maja Trailovic gave short oral presentation. They have participated in all activities planned by the Conference program. Maja Trailovic was elected as student member in scientific board of The International Society for Silicon in Agriculture and Related Disciplines (ISSAG). Belgrade was presented as host for the 9<sup>th</sup> Conferences on Silicon in agriculture which will be held on September 2025.

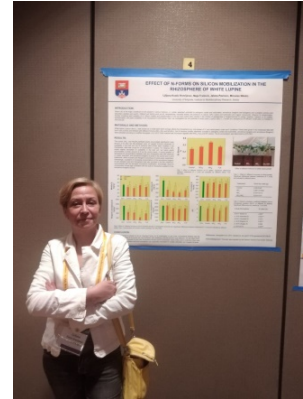
1. Carballo-Méndez F. J., Bosnic P., Bosnic D., Nikolic N., Kostic-Kravljanc Lj., Stanojevic M., Nikolic M. Length of Si-priming modulates the ameliorative effect of Si on oxidative enzymes in wheat under salinity stress; 8<sup>th</sup> International Conference on Silicon in Agriculture; May 23-26, 2022; New Orleans, Louisiana, USA.
2. Kostic Kravljanac Lj., Trailovic M., Pavlovic J., Nikolic M. Effect of N-forms on Silicon Mobilization in the Rhizosphere of White Lupin; 8<sup>th</sup> International Conference on Silicon in Agriculture; May 23-26, 2022; New Orleans, Louisiana, USA.
3. Trailovic M., Kostic Kravljanac LJ., Stanojevic M., Pavlovic J., Nikolic M. Phosphorus Deficiency Induced Silicon Mobilization in Grapevine Rhizosphere: A Field Study; 8<sup>th</sup> International Conference on Silicon in Agriculture; May 23-26, 2022; New Orleans, Louisiana, USA.
4. Pavlovic J., Hernandez-Apaolaza L., Dubljanin T., Nikolic M. Silicon Enhances the Biosynthesis of Organic Acids in Zinc-deficient Rice. 8<sup>th</sup> International Conference on Silicon in Agriculture; May 23-26, 2022; New Orleans, Louisiana, USA.
5. Kostic I., Milenkovic I., Nikolic N., Milanovic S., Kostic Kravljanac LJ., Bosnic P., Paravinja A., Miroslav Nikolic M. Silicon Changes Root Phenomics and Leaf Ionomics in Oak under Phytophthora Infection and Low Phosphorus Conditions; 8<sup>th</sup> International Conference on Silicon in Agriculture; May 23-26, 2022; New Orleans, Louisiana, USA.



Maja Trailovic



Dr. Jelena Pavlovic



Dr. Ljiljana Kostic Kravljanac



Dr. Miroslav Nikolic, Dr. Ljiljana Kostic Kravljanac, Maja Trailovic, Dr. Jelena Pavlovic, Dr. Carballo-Méndez F

## **5<sup>th</sup> International Conference on Plant Biology (24rd SPPS Meeting), Silver Lake (Serbia). October 3-5. 2024.**

Dr. Ljiljana Kostic Kravljanac, Dr. Jelena Pavlovic , Dr. Predrag Bosnic, Dr. Igor Kostic, Maja Trailovic and Tijana Dubljanin attended the 5th International Conference on Plant Biology (24rd SPPS Meeting) held from October 3 to October 5, 2024, at Silver Lake (Serbia). They have presented four papers in the form of a poster presentation acknowledged to the Si4Crop Project of the Science Fond of the Republic of Serbia. First evidence of silicon transport via phloem in plants was presented by Jelena Pavlovic in form of poster presentation. We are a specialty proud at Tijana Dubljanin who won **The Best Poster Award** for the work on carbon bio-sequestration by wheat phytoliths. Book of abstracts are available: <https://www.dfbs.org.rs/book-of-abstracts-2/>

1. Pavlović J, Kostić Kravljanac L, Bosnić P, Kostić I, Trailović M, Dubljanin T, Radović M and Nikolić M. *First evidence of silicon transport via phloem in plants: A germanium tracer study in cucumber*. 5<sup>th</sup> International Conference on Plant Biology (24<sup>th</sup> SPPS Meeting) , 3–5 October 2024, Srebrno jezero, Serbia. Book of abstracts pp.4-16
2. Kostić Kravljanac Lj, Pavlović J, Bosnić P, Kostić I, Trailović M, Dubljanin T, A Paravinja A and Nikolić M. *Root Exudates Mobilize Silicon (Si) from Different Soil Si-Pools*.5th International Conference on Plant Biology (24th SPPS Meeting), 3–5 October 2024, Srebrno jezero,Serbia pp. 4-19
3. Dubljanin T, Pavlović J, Kostić Kravljanac Lj, Bosnić P, Kostić I, Trailović M, Paravinja A, Stanojević M and Nikolić M. *Potential of carbon bio-sequestration by wheat phytoliths in Vojvodina*. 5th International Conference on Plant Biology (24th SPPS Meeting), 3–5 October 2024, Srebrno jezero, Serbia pp 1-6. **Awarded as best poster**
4. Trailović M, Kostić Kravljanac Lj, Stanojević M, Radović M, Bosnić P, Pavlović J, Kostić I, Todić S and Nikolić M. *Low phosphorus conditions promote mobilization of silicon in the grapevine rhizosphere*. 5th International Conference on Plant Biology (24th SPPS Meeting )3–5 October 2024, Srebrno jezero,Serbia pp. 2-5



Certificate: Best Poster Award



Plant Nutrition Research Group