

Report

on the 4th PLANTSVITA Seminar “Sustainable approaches in agricultural practice”

the satellite event to
the 21st Danube-Kris-Mures-Tisza (DKMT) Euroregional Conference on Environment and Health

06-08 June 2019

Novi Sad, Serbia

The fourth PLANTSVITA Seminar “Sustainable approaches in agricultural practice” took place from 6th to 8th June 2019 at the hotel Centar, Novi Sad, Serbia. The event was organized by the University of Novi Sad, Faculty of Technology Novi Sad as the satellite event within the 21st Danube-Kris-Mures-Tisza (DKMT) Euroregional Conference on Environment and Health. This event is a part of the PLANTSVITA Project (Development of soil type adapted microbiological products promoting ecological pest management; HUSRB 1602/41/0031).

The aim of the event was to present the achieved results and planned activities realized through PLANTSVITA project during the first years by the project partners. Program of the event included 6 sections: *Sustainable soil restoration techniques, Emerging issues and environmental risks/Determination of xenobiotics, Impacts of climatic and environmental changes on sustainable development/Analysis of soil quality, Lifestyle and health, Application of innovative sensors for environmental protection, Public health and the environmental (air, water, soil) quality*, with invited and section oral lectures and 1 poster section with 15 poster presentations.

After the welcome speech of Prof. Dr. Biljana Škrbić and opening of 4th PLANTSVITA Seminar “Sustainable approaches in agricultural practice” within the 21st Danube-Kris-Mures-Tisza (DKMT) Euroregional Conference on Environment and Health the following presentation were delivered:

06 June 2019

- *Selection and characterization of microbial components for the PLANTSVITA soil conditioner* by Prof. Dr. Cs. Vágvölgyi;



- *Mushroom-pathogenic Trichoderma species in the genomic and metabolomic era* by Dr. L. Kredics;
- *Agricultural environments: potential sources of human Trichoderma infections* by Dr. L. Hatvani;
- *Emissions of 1325 chemicals from municipal wastewater treatment plants in Japan* by Prof. Dr. K. Kadokami;
- *Accumulation abilities of endemic plant species from the vicinity of an As-Sb-Tl abandoned mine, Allchar, Kožuf Mountain* by Dr. K. Bačeva Andonovska;
- *Improving ANN-MLP as effective spatial modeling method for copper and lead distribution in mining affected areas* by Dr. B. Balabanova;
- *Single and simultaneous removal of As(III) and phosphate ions in aqueous solution using “green” synthesized nano zero valent iron (nZVI) from green tea leaf extract* by Dr. A. Leovac Maćerak;
- *Electrochemical miniaturised screen-printed sensors for emerging pollutant detection* by Prof. Dr. F. Arduini;
- *Studies on environmental pollution with potentially toxic elements in the Republic of North Macedonia* by Prof. Dr. T. Stafilov;
- *Characterization of Ensiferadhaerens strains isolated from glyphosate-treated soil* by A. Zhumakayev;
- *Linear scale up of aflatoxin separation by centrifugal partition chromatography* by G. Endre;
- *Semi-targeted identification of secondary metabolites from endophytic fungi isolated from Artemisia Annuia* by D. Rakk;
- *Isolation of Bacillus strains with biocontrol abilities from gently acidic and alkaline soils* by M. Vörös

07 June 2019

- *Genetic engineering – benefit or risk to human health* by Prof. Dr. C.-A. Cotoraci;



- *The role of parents' attitude in childhood obesity* by Prof.Dr. E. Paulik;
- *Survival factor genes of *Mucorcircinelloides* and their role in phatogenic processes* by O. Jáger
- Human Trichoderma infections: potential agricultural origin by Dr. L. Hatvani
- *Relationship of actual atmospheric conditions and health problems* by Dr. A. Papp
- *Printable and Flexible sensors for monitoring heavy metals in soil* by Prof. Dr. G. Stojanović
- *CNT-based direct potentiometric sensor for determination of anionic surfactants in wastewaters near Osijek, Croatia* by Dr. Nikola Sakač
- *Ion-selective pencil* by M. Jendrlin

08 June 2019

- *Street dust – a carrier of xenobiotics and a potential risk factor for human health* by Assist. Prof. Dr. N. Đurišić-Mladenović,
- *Improving nutritional education in Romanian school* by Dr. D. Cîrnatu
- *Some ways of constituting ecological intelligence* by D. Ćorić
- *VR in a function of improving a public urban needs* by Prof. Dr. P. Šiđanin
- *Prediction of fate and behavior of illicit drugs in wastewater* by Prof. Dr. M. Miloradov Vojinović
- Presentation of the joint **PLANTSVITA** CB Center and demonstration of the CB Center activities.

Promotional materials as trilingual roll-up banners, **PLANTSVITA** newsletter 1 and announcing poster of the **4th PLANTSVITA Seminar “Sustainable approaches in agricultural practice”** were displayed.

Second day of **4th PLANTSVITA Seminar “Sustainable approaches in agricultural practice”** (7th June 2019), **PLANTSVITA Training Course “Green approaches to the sustainable production of the safe food - transfer of knowledge”** was organized in accordance with decision given on the meeting of the members of **PLANTSVITA** CB CENTRE FOR GREEN



APPROACHES IN SUSTAINABLE AGRICULTURE. Namely, **PLANTSVITA Training Course** is set up to fulfill the established aims of the **PLANTSVITA CB CENTRE**. During course, the interested young researchers have gained new knowledge about analytical methods based on green approaches in the service of chemical contaminants control in the sustainable production of the safe food production due to advance knowledge for necessities of green approaches in agricultural practice.

The **4th PLANTSVITA Seminar “Sustainable approaches in agricultural practice”** ended with the meeting of the project teams and the minutes of the **PLANTSVITA** project meeting.

All communication materials related to the **4th PLANTSVITA Seminar “Sustainable approaches in agricultural practice”** (scientific presentations of the **PLANTSVITA** project partners, posters, Book of Abstract and Proceedings) include the obligatory elements and have been approved in Back Office. The presentations of the **PLANTSVITA** project partners will be listed in our report as the description of our activity in this event.

In order to survey the organization, the relevance of the themes chosen, the experts' contribution, extent to which the content of this Conference matched the announced objectives, quality of the prepared materials, transfer of knowledge and overall usefulness of this event, Questionnaire about the 4th **PLANTSVITA** Seminar “Sustainable approaches in agricultural practice” was distributed among participants.





Participants of 4th PLANTSVITA Seminar during first day (June 06, 2019)



Participants of 4th PLANTSVITA Seminar during second day (June 07, 2019)



Participants of 4th PLANTSVITA Seminar during third day (June 08, 2019)





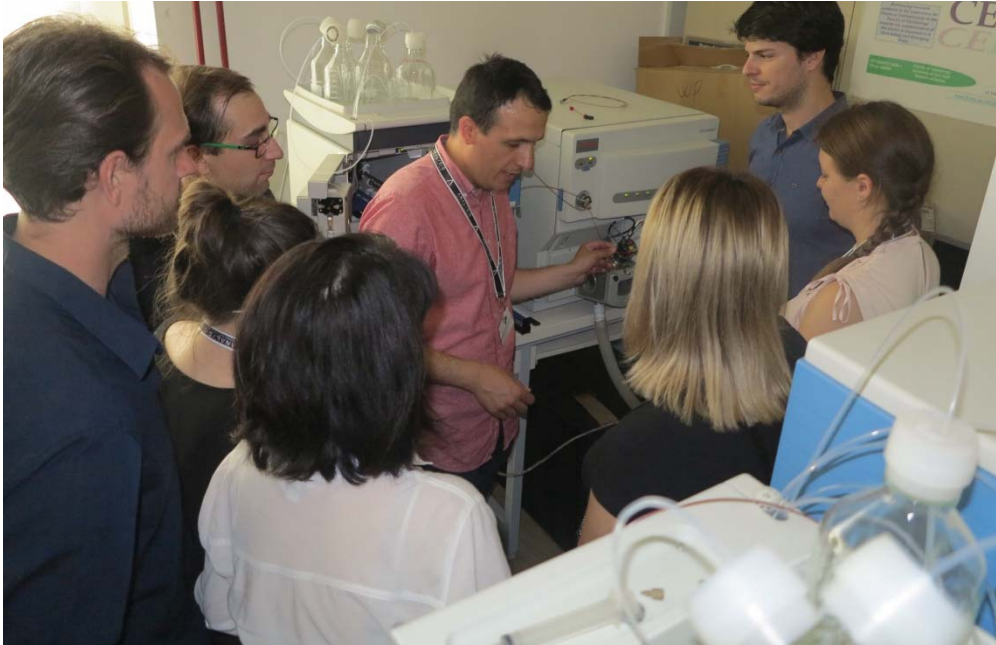
Promotion materials prepared for 4th **PLANTSVITA** Seminar



Trilingual announcing poster of the 4th PLANTSVITA Seminar



PLANTSVITA project members during poster section



Experimental part - Identification of pesticide residues in selected sample extracts during **PLANTSVITA** Training Course “Green approaches to the sustainable production of the safe food - transfer of knowledge”



Trilingual announcing poster of the **PLANTSVITA** Training Course “Green approaches to the sustainable production of the safe food - transfer of knowledge”

Disclaimer:

This document has been produced with the financial assistance of the European Union. The content of the document is the sole responsibility of University of Novi Sad, Faculty of Technology Novi Sad, Novi Sad, Serbia, and can under no circumstances be regarded as reflecting the position of the European Union and/or the Managing Authority.



The project is co-financed by the European Union

Good neighbours
creating
common future