

**Faculty of Agriculture
Goce Delcev University - Stip**



**2nd INTERNATIONAL MEETING
AGRISCIENCE & PRACTICE
(ASP 2019)**

PROGRAMME

**12 April 2019
Stip, Republic of North Macedonia**

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Goce Delcev University – Stip**



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Time & Place	Activity
<p>12.04.2019 (Friday) 8³⁰-9³⁰ Faculty of Agriculture, Campus 2</p>	<p>Arrival and registration of participants</p>
<p>12.04.2019 (Friday) 9³⁰-10⁰⁰ Assembly Hall Faculty of Agriculture, Campus 2</p>	<p>Opening ceremony</p> <p>Prof. d-r Ljupco Mihajlov, President of the Organizing Committee of ASP 2019 and Dean of the Faculty of Agriculture, GDU – Stip</p> <p>Mr. Ljupco Nikolovski, Minister of Agriculture, Forestry and Water Management of Republic of North Macedonia</p> <p>Prof. d-r Blazo Boev, Rector of Goce Delcev University – Stip</p> <p>Acknowledgments awarding ceremony</p>
<p>12.04.2019 (Friday) 10⁰⁰-11⁰⁰ Assembly Hall Faculty of Agriculture, Campus 2</p>	<p>Panel discussion</p> <p>Motivation approaches for transfer of knowledge, research and innovations and their implementation</p> <p>Moderator: Prof. d-r Blazo Boev, Rector of Goce Delcev University – Stip</p> <p>Invited panelists:</p> <p>Mr. Jovan Despotovski – director of the Fund for innovations and technological development, Republic of North Macedonia</p>

	<p>Prof. d-r Dzoko Kungulovski - Department of Microbiology and Microbial Biotechnology, Institute of Biology, Faculty of Natural Sciences and Mathematics, UKIM – Skopje, Republic of North Macedonia</p> <p>Prof. d-r Annika Michelson - HAMK University of Applied Sciences, Finland</p> <p>Plenary presentation 1</p> <p>Integrating studies and entrepreneurship. Case: ELOSA OSK.</p> <p>Prof. d-r Annika Michelson, HAMK University of Applied Sciences, Finland</p>
<p>12.04.2019 (Friday) 11⁰⁰-11³⁰ Assembly Hall Faculty of Agriculture, Campus 2</p>	<p>Presentations from representatives of agricultural companies – associates of Faculty of Agriculture, GDU – Stip</p> <p>Moderators: Asst. Prof. d-r Emilija Arsov; Prof. d-r Mite Ilievski</p> <p>Presentation 1: Biogenesis – bioagents</p> <p>Ms. Violeta Josifova, Biogenesis company, Belgrade, Serbia</p> <p>Presentation 2: Panamin Agro antistress immunostimulant for all plant species</p> <p>Mr. Angel Kinanov, MSc, Panamin Agro company, Austria</p>
<p>12.04.2019 (Friday) 11³⁰-12³⁰ Faculty of Agriculture, Campus 2</p>	<p>Coffee break/Cocktail</p>

Time & Place	Activity
<p>12.04.2019 (Friday) 12³⁰-13⁵⁰</p> <p>Assembly Hall Faculty of Agriculture, Campus 2</p>	<p>Oral presentations</p> <p>Sections: Plant protection; Viticulture, enology and fruit production</p> <p>Moderators of the sections: Prof. d-r Sasa Mitrev, Prof. d-r Violeta Dimovska</p>
<p>12³⁰-12⁴⁰</p>	<p>Maja Petrusheva, Sasa Mitrev, Emilija Arsov</p> <p>First report of health condition of potato samples from border crossings in the Republic of Macedonia</p>
<p>12⁴⁰-12⁵⁰</p>	<p>Radivoje Jevtić, Vesna Župunski, Mirjana Lalošević</p> <p>The impact of climate change on shift of predominant rust pathogens in Serbia</p>
<p>12⁵⁰-13⁰⁰</p>	<p>Dusan Spasov, Biljana Atanasova, Dragica Spasova, Mite Ilievski</p> <p>The use of predators for the control of <i>Frankliniella occidentalis</i> (Thysanoptera: Thripidae) for pepper in protected area</p>
<p>13⁰⁰-13¹⁰</p>	<p>Natalija Atanasova-Pancevska, Dzoko Kungulovski, Violeta Boskovska, Ivan Kungulovski</p> <p><i>Paenibacillus alvei</i> DZ-3 with high antifungal activity protects apple fruits against <i>Botrytis cinerea</i> gray mold</p>

<p>13¹⁰-13²⁰</p>	<p>Dzoko Kungulovski, Natalija Atanasova-Pancevska, Marija Todorovska-Ivkovic, Ivan Kungulovski</p> <p>Selection and characterisation of wild yeasts of winery interest from dog rose (<i>Rosa canina</i> L.)</p>
<p>13²⁰-13³⁰</p>	<p>George Michev</p> <p>Process and device for <i>in vivo</i> preparation of grape /wine/ foodstuffs from grapes</p>
<p>12.04.2019 (Friday) 13³⁰-13⁵⁰</p>	<p>Section discussion and concluding remarks</p>
<p>12.04.2019 (Friday) 12³⁰-14⁰⁰ Classroom 10 Faculty of Agriculture, Campus 2</p>	<p>Oral presentations Sections: Quality control and food safety Moderators of the sections: Prof. d-r Aco Kuzelov, Prof. d-r Sanja Kostadinovik Velickovska, Prof. d-r Elena Joshevska</p>
<p>12³⁰-12⁵⁰</p>	<p>Plenary presentation 2 Influence of deep autolysis on the quality and shelf life of meat Prof. dr. Stefan Dragoev, University of Food Technologies, Technological Faculty, Plovdiv, Bulgaria</p>
<p>12⁵⁰-13⁰⁰</p>	<p>Jasmina Stojiljkovic, Metodija Trajchev, Milena Petrovska, Dimitar Nakov</p> <p>The influence of different concentrations of plant essential oils on growth and reproduction of <i>Salmonella enteritidis</i></p>

<p>13⁰⁰-13¹⁰</p>	<p>Gordana Dimitrovska, Marija Petkovska, Ljupce Koshoski, Elena Joshevska, Katerina Bojkovska</p> <p>The effect of different starter cultures on quality and sensory characteristics on kashkaval cheese</p>
<p>13¹⁰-13²⁰</p>	<p>Biljana Balabanova</p> <p>Analytical challenges in chemical characterization of medicinal and aromatic plants</p>
<p>13²⁰-13³⁰</p>	<p>Valentina Pavlova, Gordana Šebek, Tatjana Blazhevska, Ljubica Kostadinova</p> <p>Nutritive and sensory characteristics of fermented cucumber</p>
<p>13³⁰-13⁴⁰</p>	<p>Julijana Sazdova, Goran Antonievski, Dejan Metodijeski, Aco Kuzelov</p> <p>Applicable guidelines for the existing rules for labelling food products</p>
<p>12.04.2019 (Friday) 13⁴⁰-14⁰⁰</p>	<p>Section discussion and concluding remarks</p>
<p>12.04.2019 (Friday) 12³⁰-14⁰⁰ Classroom 11 Faculty of Agriculture, Campus 2</p>	<p>Oral presentations</p> <p>Sections: Plant production, Plant biotechnology, Agricultural economics</p> <p>Moderators of the sections: Prof. d-r Verica Ilieva, Prof. d-r Liljana Koleva Gudeva</p>

<p>12³⁰-12⁵⁰</p>	<p>Plenary presentation 3</p> <p>Breeding of abiotic stress in barley - problems, achievements and perspectives</p> <p>Prof. dr. Darina Valcheva, Prof. dr. Dragomir Valchev - Agricultural Academy, Institute of Agriculture, Karnobat, Bulgaria</p>
<p>12⁵⁰-13⁰⁰</p>	<p>Annika Michelson</p> <p>A virtual plant production management platform</p>
<p>13⁰⁰-13¹⁰</p>	<p>Kiril Bahcevandziev</p> <p>Use of seaweed extracts in the lettuce (<i>Lactuca sativa</i> L.) production</p>
<p>13¹⁰-13²⁰</p>	<p>Brankica Spaseva, Ziad Al Chami, Sandra Angelica De Pascali, Ivana Cavoski, Francesco Paolo Fanizzi</p> <p>Waste materials derived bio-effectors used as growth promoters for strawberry plants. An agronomic and metabolomic study</p>
<p>13²⁰-13³⁰</p>	<p>Fidanka Trajkova, Liljana Koleva Gudeva</p> <p>Genetically modified crops - current state, issues and perspectives</p>
<p>13³⁰-13⁴⁰</p>	<p>Silvana Pasovska, Trajko Miceski</p> <p>Perspectives and possibilities for development of tobacco production in the Republic of Macedonia</p>
<p>12.04.2019 (Friday)</p> <p>13⁴⁰-14⁰⁰</p>	<p>Section discussion and concluding remarks</p>

<p>12.04.2019 (Friday)</p> <p>All day event*</p> <p>Hallway</p> <p>Faculty of Agriculture, Campus 2</p> <p><i>*Participants with poster presentation shall place the posters at poster display boards immediately after their registration</i></p>	<p>Poster session</p> <p>Moderators of Poster sessions: Prof. d-r Fidanka Trajkova, Prof. d-r Dragica Spasova, Asst. Prof. d-r Natalija Markova Ruzdik, Asst. prof. d-r Biljana Kovacevik, Asst. Prof. d-r Biljana Balabanova, Prof. d-r Fidanka Ilieva</p>
	<p>Poster session: Agricultural economics [AE]</p>
	<p>Goran Mihajlovski</p> <p>Placement of information systems in agribusiness [AE 1]</p>
	<p>Maja Angjeleska, Kristina J. Gacoska</p> <p>The impact of social marketing on improving consumer awareness of the importance of spice in food [AE 2]</p>
	<p>Poster session: Plant biotechnology [PBT]</p>
	<p>Mariya T. Zhelyazkova, Svetlana Y. Georgieva, Deyana G. Gencheva</p> <p>Main molecular markers in plant genetics - mini review [PBT 1]</p>
	<p>Detelina Petrova, Milena Petrova, Maria Rogova, Miroslava Zhiponova, Petia Hristova, Ganka Chaneva</p> <p>Assessment of antimicrobial and antioxidant activities of <i>Nepeta nuda</i> plant extracts [PBT 2]</p>
	<p>Ivana Velesanova, Fidanka Trajkova, Liljana Koleva Gudeva</p> <p>Spectrophotometric determination of the content of photosynthetic pigments in some</p>

	<p>decorative species grown in <i>in vitro</i> and <i>in vivo</i> conditions [PBT 3]</p>
	<p>Biljana Balabanova, Maja Lazarova, Blazo Boev</p> <p>Improving the dominance of surface dust absorption vs. bulk deposition in moss tissue cross bio-indication process of metals deposition in environment [PBT 4]</p>
	<p>Poster session:</p> <p>Plant production [PPD]</p>
	<p>Ilija Risteski, Karolina Kocoska</p> <p>New perspective male sterile hybrid lines of burley tobacco [PPD 1]</p>
	<p>Karolina Kocoska, Ilija Risteski</p> <p>The size and number of middle belt leaves in some varieties of wild tobacco [PPD 2]</p>
	<p>Dragomir Valchev, Darina Valcheva</p> <p>Study of the influence of leaf fertilizer Panamin Agro on plant growth, resistance to biotic and abiotic stress, productivity and quality of the grain in wheat and barley [PPD 3]</p>
	<p>Adrijana Burovska, Dragica Spasova, Biljana Atanasova, Dusan Spasov, Mite Ilievski</p> <p>Chemical composition of oats grown in conditions of organic production [PPD 4]</p>
	<p>Daniela Dimovska, Ljupco Mihajlov, Fidanka Trajkova, Liljana Koleva, Gudeva, Igor Iljovski</p> <p>The influence of organic fertilizers on the growth and yield of broccoli (<i>Brassica oleracea</i> L.var. <i>italica</i>) [PPD 5]</p>

	<p>Monika Gligorova, Ljupco Mihajlov</p> <p>Specifics of symbiotic nitrogen fixation in leguminous plants - with a view of chickpea (<i>Cicer arietinum L.</i>) [PPD 6]</p>
	<p>Alexander Tomov, Detelina Petrova, Aneliya Raicheva, Ganka Chaneva</p> <p>Comparative study of hydroponically and aquaponically cultivated plant species [PPD 7]</p>
	<p>Verica Ilieva, Natalija Markova Ruzdik, Ljupco Mihajlov, Mite Ilievski</p> <p>Assessment of agro-morphological variability in rice by multivariate analysis [PPD 8]</p>
	<p>Ljupco Mihajlov, Biljana Kovacevik, Natalija M. Ruzdik, Vesna Z. Paneva</p> <p>Arsenic uptake and translocation in soybean plants in neutral soil environment [PPD 9]</p>
	<p>Grozi Delchev</p> <p>Impact of some herbicides and herbicide combinations on sowing characteristics of coriander [PPD 10]</p>
	<p style="text-align: center;">Poster session: Plant protection [PPR]</p>
	<p>Cvetanka Kulukovska, Emilija Arsov, Sasa Mitrev</p> <p>One step real-time polymerase chain reaction using for the detection of <i>PLUM POX POTYVIRUS</i> [PPR 1]</p>

	<p>Miroslava Zhiponova, Galina Ivanova, Emilija Arsov, Detelina Petrova, Sasa Mitrev, Ganka Chaneva</p> <p>Phytoplasma infection causes physiological changes in systemic pepper leaves [PPR 2]</p>
	<p>Vesna Krsteska, Stanislava Lazarevska, Petre Stojanoski</p> <p>Global warming and increased influx of pests on tobacco [PPR 3]</p>
	<p>Grozi Delchev</p> <p>Efficacy of some herbicides and herbicide tank mixtures in durum wheat (<i>Triticum durum</i> DESF.) [PPR 4]</p>
	<p>Biljana Kovacevik, Mitrev Sasa</p> <p>Phenotypic and pathogenic characterization of <i>Colletotrichum</i> spp. associated with bitter rot on apple fruits in post-harvest storage [PPR 5]</p>
	<p style="text-align: center;">Poster session: Quality control and food safety [QCFS]</p>
	<p>Katerina Bojkovska, Nikolche Jankulovski, Goran Mihajlovski, Elena Joshevska, Gordana Dimitrovska</p> <p>Consumer preferences as determinant of the successful quality management of dairy products [QCFS 1]</p>
	<p>Kristina J. Gacoska, Maja Angjeleska</p> <p>Application of spices in the dairy industry [QCFS 2]</p>

	<p>Ismaili Muhharem, Makarijoski Borche, Presilski Stefche, Trajchevski Sasho</p> <p>Sensory evaluation of probiotic yoghurt inoculated with different starter cultures [QCFS 3]</p>
	<p>Ismaili Muhharem, Makarijoski Borche, Presilski Stefche, Trajchevski Sasho</p> <p>Starter cultures effect on pH and SH dynamics of inoculum during fermentation period of probiotic yoghurt [QCFS 4]</p>
	<p>Hristina Eftinzijjoska, Gorica Pavlovska</p> <p>Stability of oil from oilseed rape with garlic under various conditions [QCFS 5]</p>
	<p>Daniela Nikolovska Nedelkoska, Tatjana Kalevska, Natalija Atanasova-Pancevska, Mitko Karadelev, Zora Uzunoska, Dzoko Kungulovski</p> <p>Evaluation of bactericidal activity of selected wild macrofungi extracts against <i>Escherichia coli</i> [QCFS 6]</p>
	<p>Marija Menkinoska, Tatjana Blazhevska, Viktorija Stamatovska</p> <p>Comparison of the rheological characteristics of bio-fortified flour obtained from soft wheat varieties Treska and Radika [QCFS 7]</p>
	<p>Vangelica Jovanovska, Dimitra Jovanovska, Darko Veljanovski, Mila Arapchevska, Katerina Shambevaska</p> <p>Hygienic sanitation in the dairy industry in the production of cow cheese as a factor for obtaining a hygienically correct product according to the EU standards for standardization and certification [QCFS 8]</p>

	<p>Dilyana Gradinarska, Daniela Mitreva, Katya Yalkova-Yorgova, Desislava Vlahova-Vangelova, Aco Kuzelov</p> <p>Effect of extended aging upon textural aspects of traditional bulgarian dry-cured ham [QCFS 9]</p>
	<p>Maria Momchilova, Dilyana Gradinarska, Dinko Yordanov, Todorka Petrova, Ivan Bakalov, Nikolay Penov, Nadezhda Petkova</p> <p>Influence of the sterilization process on the physicochemical and nutritional properties of meat vegetable pate [QCFS 10]</p>
	<p>Mila Arapcheska, Zehra Hajrulai – Musliu, Risto Uzunov, Jovanka Tuteska, Vangelica Jovanovska</p> <p>Gas chromatography analysis of omega-3 fatty acids content in fish oil supplements [QCFS 11]</p>
	<p>Dragan Ilievski, Biljana Trajkovska, Aleksandra Grozdanovska, Ljupche Kochoski</p> <p>Raw milk microbiological quality influence on protein content [QCFS 12]</p>
	<p>Petya Boyanova, Petar Panayotov, Atanaska Bosakova-Ardenska, Vladimira Ganchovska</p> <p>Non – destructive study of acid milk coagulation [QCFS 13]</p>
	<p>Tatjana Kalevska, Daniela Nikolovska Nedelkoska, Viktorija Stamatovska, Zora Uzunoska, Sasko Martinovski, Vezirka Jankuloska</p> <p>Evaluation of the quality of raw milk for yogurt production [QCFS 14]</p>

<p>Darko Andronikov, Aco Kuzelov, Nako Taskov, Kiro Mojsov, Aco Janevski, Sonja Jordeva, Saska Golomeova</p> <p>Quantitative characteristics of rabbit hybrids [QCFS 15]</p>
<p>Sanja Kostadinović Velickovska, Violeta Dimovska, Fidanka Ilieva, Ljupco Mihajlov, Biljana Kovacević</p> <p>Chemical composition, antiradical and antimicrobial activity of extracts and cold-pressed edible oils from Macedonian nutty fruits [QCFS 16]</p>
<p>Poster session: Soil science and hydrology</p>
<p>Tatjana Blazhevska, Marija Menkinoska, Valentina Pavlova, Zora Uzunoska</p> <p>The content of inorganic nitrogen in the water from the fifth channel near the City of Bitola [SSH 1]</p>
<p>Poster session: Viticulture, enology and fruit production</p>
<p>Hristina Poposka, Dusko Mukaetov, Dusko Nedelkovski</p> <p>Yield and mineral composition of grapevine as affected by magnesium and iron foliar [VEFP 1]</p>
<p>Venelin Roychev, Dushko Nedelkovski</p> <p>Investigation of the correlations between quantitative traits which determine yield in the vine cultivar Bolgar anf the hybrid combination Bolgar x Russalka 1 [VEFP 2]</p>
<p>Dushko Nedelkovski, Klime Beleski, Goran Milanov, Venelin Roychev, Violeta Dimovska</p> <p>Potential and possibilities of Rebo - new grapevine variety (<i>Vitis vinifera</i> L.) in growing conditions in Republic of Macedonia [VEFP 3]</p>

	<p>Kire Panovski, Violeta Dimovska, Fidanka Ilieva, Darko Mindev</p> <p>Agro-biological and technological characteristics of Rkatsiteli wine grape variety, grown in Tikveš vineyards [VEFP 4]</p>
	<p>Efremco Nikolov, Dimitrija Angelkov, Violeta Dimovska, Fidanka Ilieva</p> <p>Vineyard irrigation systems controlled online through GMS module [VEFP 5]</p>
<p>12.04.2019 (Friday) 14⁰⁰-14³⁰</p>	<p>Poster Section presentation and discussion</p>
<p>12.04.2019 (Friday) All-day event Hallway Faculty of Agriculture, Campus 2</p>	<p>Display of exhibition stands of agricultural companies</p>
<p>12.04.2019 (Friday) 14³⁰-15⁰⁰ Assembly Hall Faculty of Agriculture, Campus 2</p>	<p>Closing ceremony</p>
<p>12.04.2019 (Friday) 15³⁰ Restaurant of Goce Delcev University, Stip</p>	<p>Gala lunch</p>

PROGRAMME OF THE MEETING

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