



TRAKIA UNIVERSITY
FACULTY OF AGRICULTURE
STARA ZAGORA



SCIENTIFIC CONFERENCE
WITH INTERNATIONAL PARTICIPATION

**“AGRICULTURE – WAY OF
LIFE”**

PROGRAMME



22-23 May 2024
Stara Zagora, Bulgaria

**ПРОГРАМА
PROGRAMME**

**Аграрен факултет, Тракийски университет
Faculty of Agriculture, Trakia University**

22 МАЙ 2024 / 22 MAY 2024

09.30 - 10.30 ч/ч - Регистрация/Registration

10.30 - 11.00 ч/ч - Откриване на конференцията/Opening of the conference - Конферентна зала

11.00 - 12.00 ч/ч - Пленарна сесия/Plenary session

Transformative potential of the bioeconomy in the food industry, Prof. Dr Iliana Nacheva

Agriculture - way of life, Ralitsa Kuneva

12.00 -13.00 ч/ч - Обяд

13.00 ч/ч - Заседания по секции/Open sessions by sections

Секция 1. "Животновъдни науки" и "Екология, околна среда и качество на храните"

Section 1. Animal Science and Ecology, Environment, Food quality **4 стр**

Секция 2. "Растениевъдни науки" и "Аграрна техника и технологии"

Section 2. Crop science and Agricultural and Techniques and Technologies **8 стр**

16.00 - 16.30 ч/ч - Кафе пауза/Coffee break

17.00 Постерна сесия/ Poster session

17.30 Връчване на сертификати/ certificates awarding

19.00 ч/н - Гържествена вечеря ресторант Хотел „Верея“/

Gala dinner - restaurant "Vereya" hotel

23 МАЙ 2024 / 23 MAY 2024

**10.00ч/н - Социални събития, срещи, посещение на
Тракийски университет**

**Музей на АФ, Музей на коня и конния спорт,
Художествена галерия „Ласкар“ и т.н. /Social events
including meetings, visit to Trakia University, the city
centre, etc.**

Секция 1. “Животновъдни науки”
Section 1. Animal Science
Конферентна зала

Председател: Проф. д-р Сашка Чобанова
Chairman: Prof. Sashka Chobanova, PhD
Зам.-председател: Доц. д-р Христо Луканов
Секретари: Гл. ас. д-р Желязко Събев; Ас. Катерина
Бурлакова

Доклади	
13.00 ч.	Sashka Chobanova, Nikolay Karkelanov, Stephen C. Mansbridge, Isobel M. Whiting, Stephen P. Rose, Vasil R. Pirgozliev Apparent metabolizable energy of Black Soldier Fly larvae fat for broiler chickens Harper Adams University
13.15 ч.	Hristo Lukanov , Ivelina Pavlova, Atanas Genchev, Todor Petrov Egg quality characteristics of some Bulgarian chicken breeds Faculty of Agriculture, Trakia University
13.30 ч.	Todor Petrov , Hristo Lukanov, Atanas Genchev Growth performance of the common quail (<i>Coturnix coturnix</i>) Faculty of Agriculture, Trakia University
13.45 ч.	Toncho Penev , Dimo Dimov, Ivajlo Marinov, Jurii Mitev, Chonka Miteva Effect of Season and Associated Climatic Features on Fatty Acid Composition and Health Lipid Indices in Milk from Dairy Cows Faculty of Agriculture, Trakia University
14.00 ч.	Toncho Penev , Rumiana Ivanova, Dimo Dimov, Ivajlo Marinov Study of the relationship between reproductive signs and some blood parameters of dairy cows after calving Faculty of Agriculture, Trakia University
Дискусия/Discussion 14.15 – 14.30 ч.	

Секция “Екология, околна среда и качество на храните”
Section Ecology, Environment, Food quality
Конферентна зала

Председател: Проф. д-р Евгений Райчев

Chairman: Prof. Evgeniy Raychev, PhD

Зам.-председател: доц. д-р Дияна Дерменджиева

Секретари: гл. ас. д-р Силвия Калчева; гл. ас. д-р Светослава Терзиева

	Доклади
14.30 ч.	Vesselin Pankov Geospatial Distribution of Soil Physical and Chemical Properties in Rhodic and Chromic Cambisols and Eutric and Mollic Fluvisols in the Middle Reaches of the Struma River (Southwestern Bulgaria) through Inverse Distance Weighting Map Institute of soil science, agrotechnologies and plant protection "N. Pushkarov"
14.45 ч.	Danail Pavlov , Zlatina Gospodinova, Georgi Antov, Miroslav Novakovic, Vele Tesevic, Natalia Krasteva, Mehmed Reysov, Antoaneta Georgieva, Miroslav Eftimov, Milena Todorova, Maria Tzaneva, Nadezhda Stefanova, Miglena Nikolova, Stefka Valcheva-Kuzmanova Anticancer and anti-inflammatory properties of fustin, isolated from the heartwood of <i>Cotinus coggygia</i> Medical University of Varna
15.00 ч.	Zornitza Zherkova , Neli Grozeva, Mima Todorova, Milena Tzanova Nutritive value and chemical composition of common purslane (<i>Portulaca oleracea</i> L.) from different regions in Bulgaria Faculty of Agriculture, Trakia University

15.15 ч.	E. Raichev , S. Peeva, G. Zhelyazkov, G. Nikolov, D. Georgiev, K. Uzunowa Fish producers' attitude towards otters and piscivorous birds: A case study from Central Bulgaria Faculty of Agriculture, Trakia University
15.30 ч.	K. Uzunowa , E. Raichev, N. Spassov, B. Koychev, S. Peeva Research on the skull size in grey wolves (<i>Canis lupus</i>) from Bulgaria in relation to geographic dimorphism Faculty of Agriculture, Trakia University
Дискусия 15.45 - 16.00 ч.	
16.00 - 16.30 ч/h – Кафе пауза/Coffee break	
16.30 ч.	Николай Такучев Global warming – a new paradigm Faculty of Agriculture, Trakia University
16.45 ч.	Гена Велковска Оценка на въздействието върху околната среда на инвестиционни предложения за земеделските земи и земеделските територии – правни и практически аспекти
17.00	Валери Велковски Държавната политика по опазване на почвения ресурс в земеделските територии – теоретико-практически аспекти и проблеми, ВУСИ - гр.Пловдив
Постери	
Постерна сесия до 17.30 ч.	
ЖН1	Vesna Karapetkovska - Hristova , Dejan Dzokoski, Ivan Pavlovic Optimizing small ruminant health through innovative pasture management in the Balkans University St. Kliment Ohridski- Bitola, Faculty of Biotechnical Sciences, N, Macedonia

ЖН2	Dijana Blazhekovikj - Dimovska , Stojmir Stojanovski, Lidija Velkova – Jordanoska The occurrence of digenean trematodes in some cyprinid fish from Belchishta Wetland (Macedonia) University "St. Kliment Ohridski", Faculty of Biotechnical Sciences - Bitola, Macedonia
ЖН3	Hossein Amouei , Alireza Seidavi, Ali Qotbi, Mehrdad Bouyeh Effect of nutritional additives of Thyme and TechnoMos on the activity of microbial community in broiler ileum and cecum Azad University of Rasht
ЖН4	Angel Mavrovski , Rusko Petrov, Nadezhda Karastoyanova, Radka Malinova, Martin Ivanov, Dobri Yarkov Creation of a new hybrid "Black Angel" from East Balkan swine Trakia University
ЖН5	K. Burlakova Application of sodium butyrate in swine farming Faculty of Agriculture, Trakia University
E1	Svetoslava Terzieva , Neli Grozeva, Tsenka Zhelyazkova, Maria Gerdzhikova, Stefka Atanassova Studying plant diversity in an agroforestry farm in the Strandzha floristic region, Bulgaria Faculty of Agriculture, Trakia University
E2	Petya Vasileva Dragomirova Detection of cryptosporidium oocysts by rapid immunochromatographic tests MU- Pleven, Bulgaria
E3	Daniela Klisarova, Dimitar Gerdzhikov Development of <i>Lingulodinium polyedra</i> in the Black Sea in the conditions of anthropogenic stress Institute of Fish Resources, Varna, SSA
E4	Yordan Kutsarov , Violin Raykov, Elica Valkova, Vasil Atanasov, Kristian Yakimov The first record of oriental river prawn <i>Macrobrachium nipponense</i> (De Haan, 1849 [in De Haan, 1833–1850]) (Decapoda: Palaemonidae) in the Bulgarian part of the Lower Danube Faculty of Agriculture, Trakia University

E5	Vanya Boneva , Milena Tzanova, Neli Grozeva, Dessislava Dimitrova, Teodora Ivanova Artemisia- based flavored wines from Zmeyovo: source of antioxidants and nutrients Faculty of Agriculture, Trakia University
E6	Y. Yankov , D. Georgiev, M Indjova, E. Raichev, D. Ganeva, St. Peeva, G. Zhelyazkov A comparative study on the seasonal changes in density and activity of two European souslik (<i>Spermophilus citellus</i> L. 1766) colonies at different altitudes in Bulgaria Faculty of Agriculture, Trakia University
17.30 ч. Връчване на сертификати	

Секция 2. “Растениевъдни науки”

Section 2. Crop science

Зала „Тихата читалня“

Председател: Доц. д-р Мария Герджикова
Chairman: Assoc. prof. Mariya Gerdzhikova, PhD
Зам.-председател: Доц. д-р Митко Георгиев
Секретари: ас. Момчил Койнов; Ас. д-р Донка Рашева

Доклади	
13.00 ч.	Nedelin Markov , Dimitar Yorgov, Petya Veleva, Stefka Atanasova Assessing the applicability of drone-mounted multispectral camera measurements to characterize wheat status during the vegetation Trakia University
13.15 ч.	Antoniya Petrova , Daniela Moyankova, Petya Stoykova, Petya Veleva, Nikolai K. Christov, Stefka Atanassova Aquaphotomics - a novel approach to study low temperature stress in cucumber plants Faculty of Agriculture, Trakia University

13.30 ч.	Roksana Mineva Influence of some organic fertilizers on the morphological development and productivity of greenhouse tomatoes Faculty of Agriculture, Trakia University
13.45 ч.	Roksana Mineva, Hriska Boteva Optimization of basic technological elements for growing determinant tomatoes, variety Kopnezh F1 and variety Prometheus Faculty of Agriculture, Trakia University
14.00 ч.	T. Stoilova, M. Gerzhikova, M. Todorova, N. Grozeva, M. Tzanova, N. Velcheva Evaluation of a small set of dry bean collection with local origin for better utilization Institute of Plant Genetic Resources, Sadovo
14.15 ч.	Charo Del Genio Intrinsic disorder by conformational multistability in auxin co-receptors
14.30 ч.	Милена Николова, Александър Митев Activates and development of SAGEA OOD
Дискусия 14.45-15.00 ч.	

**“Аграрна техника и технологии”
Agricultural Techniques and Technologies**

Зала „Тихата читалня“

Председател. Доц. д-р инж. Димитър Георгиев
Chairman. Assoc. prof. Eng. Dimitar Georgiev, PhD

Зам.-председател: Доц. д-р Галин Тиханов

Секретари: гл. ас. д-р Галя Христова; гл. ас. д-р Янка Иванова

Доклади	
15.00 ч.	Nedelin Markov, Galin Tihanov, Galya Hristova and Petya Veleva Study of the efficiency of different nozzle types when operating with a boom sprayer Faculty of Agriculture, Trakia University
15.15 ч.	Hristova G., Veleva P., Patev T. Comparative study of some operational parameters of a grain harvester Claas Lexion 770 with and without the CEMOS AUTOMATIC system Faculty of Agriculture, Trakia University
15.30 ч.	Galın Tihanov Study of the main operational characteristics and indicators of a self-propelled sprayer when spraying wheat and sunflower Faculty of Agriculture, Trakia University
15.45 ч.	Yanka Ivanova, Svetoslav Ivanov, Kancho Peychev Review of Advanced Means and Technologies for Monitoring Microclimate in Greenhouses Faculty of Agriculture, Trakia University
16.00 - 16.30 ч/h – Кафе пауза/Coffee break	
16.30 ч.	Svetoslav Ivanov, Kancho Peychev, Yanka Ivanova, Galina Dineva Automatic self-regulation of transient processes in an electronic pulsation system of a cow milking machine Faculty of Agriculture, Trakia University

Дискусия 16.45-17.00 ч.	
Постерна сесия 17.00 – 17.30 ч.	
	Постери
PH1	Shahram Khademi Chalaras , Dr. Mohammad Hossein Ansari Effect of ascorbic acid foliar application on ecophysiological characteristics of two landraces of fenugreek (<i>Trigonella foenum-graecum</i> L.) under drought stress. Department of Agriculture, Islamic Azad University Rasht Branch
PH2	Stanimir Minkov , Dimitar Minkov, Stanislava Atanasova Propagation of apple (<i>Malus domestica</i> Borkh.) by grafting during the growing season using the "chip budding" method Faculty of Agriculture, Trakia University
PH3	M. Todorova , T. Stoilova, M. Gerdzhikova, Z. Zerkova, Mariya Godinova, N. Grozeva, M. Tzanova Relationships of NDVI and chlorophyll content with yield components of different accessions of <i>Phaseolus vulgaris</i> L. and <i>Vigna</i> (<i>Vigna unguiculata</i> L. Walp.) Faculty of Agriculture, Trakia University
PH4	Mima Todorova , Tsenka Zhelyazkova, Mariya Gerdzhikova, Aneta Cholakova, Georgi Stanchev, Atanas Sevov, Neli Grozeva Rapid foliar N measurement with potential for predicting crude protein in perennial grass forage species Faculty of Agriculture, Trakia University
PH5	Ivo Ganchev , Lev Tribis Application of microbial metabolites in plant protection Trakia University
17.30 ч. Връчване на сертификати	

ORGANIZING COMMITTEE

Chairman:

Prof. Dian Georgiev, PhD - Dean, Faculty of Agriculture,
Trakia University

Vice Chairman:

Assoc. prof. Mima Todorova, PhD – Vice Dean Research and
International Cooperation, Faculty of Agriculture, Trakia
University

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activities, Faculty of Agriculture, Trakia University

Assoc. prof. Georgi Zhelyazkov, PhD – Scientific secretary of
Faculty of Agriculture, Trakia University

Prof. Evgeniy Raychev, PhD

Prof. Sashka Chobanova, PhD

Assoc. prof. Mariya Gerdzhikova, PhD

Assoc. prof. Dimitar Georgiev, PhD

PhD student Zornitsa Zherkova

PhD student Katelina Uzunova

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Prof. Antoniya Stoyanova, PhD

Prof. Gergana Kostadinova, PhD

Assoc. prof. Kancho Peychev, PhD

Assoc. prof. Stanimir Dimitrov, PhD