

1st Regional Meeting of The European Federation of Animal Science

NITRA - SLOVAK REPUBLIC

26 - 28 APRIL 2023

**PROGRAMME
EAAP 2023**





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The European Federation of Animal Science (EAAP)

The main aims of the EAAP are to promote, by means of active cooperation between its members and other relevant international and national organizations, the advancement of scientific research, sustainable development and production systems; experimentation, application and extension; to improve the technical and economic conditions of the livestock sector; to promote the welfare of farm animals and the conservation of the rural environment; to control and optimise the use of natural resources in general and animal genetic resources in particular; to encourage the involvement of young scientists and technicians. More information on the organization and its activities can be found at www.eaap.org.

Past Presidents

1949-1961	A.M. Leroy (France)
1961-1967	R. Trehane (United Kingdom)
1967-1972	J.M. Rijssenbeek (The Netherlands)
1972-1978	J.H. Weniger (Germany)
1978-1984	E.P. Cunningham (Ireland)
1984-1990	A. Roos (Sweden)
1990-1996	A. Nardone (Italy)
1996-2000	P. Solms-Lich (Germany)
2000-2004	A. Aumaitre (France)
2004-2008	J. Flanagan (Ireland)
2008-2012	K. Sejrsen (Denmark)
2012-2016	P. Chemineau (France)
2016-2020	M. Gauly (Germany)

Council members

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Vice-Presidents

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- Peter Sanftleben (Germany)

Members

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- Badi Besbes

Auditors

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- Georgia Hadjipavlou (Cyprus)

Alternate Auditor

- Jeanne Bormann (Luxembourg)

Secretary General

- Andrea Rosati

European Federation of Animal Science has close established links with the sister organizations American Dairy Science Association, American Society of Animal Science, Canadian Society of Animal Science and Asociación Latinoamericana de Producción Animal.



Welcome to the EAAP 2023 in Nitra

On behalf of the Slovak Organizing Committee, it is our honour and pleasure to welcome you to the 1st Regional Meeting of the EAAP, which is taking place in Nitra, one of the oldest cities in Slovakia. This event is organised as a result of a joint initiative of the EAAP Central and Eastern Europe Working Group and represents a new strategy in the development of EAAP activities.

In the past, extended meetings of the CEE WG have been held in the form of satellite symposia at the time of the EAAP Annual Meetings, most recently in Vilnius, Lithuania, in 2008. At a time of rapid development of computing and digital communication technologies, bringing people together is essential for building and developing relationships. The speed of scientific progress and the increase in scientific knowledge only underline the need for active exchange and the formation of broader teams to address people's current needs. It is expected that by 2050 there will be 9.7 billion people on Earth, and more than 60% of them will live in urban agglomerations with no direct connection to the land and their own food production. The science in animal production is currently facing many challenges, such as climate change, the use of marginal land unsuitable for other types of production, the use of raw materials unsuitable for human consumption, increasing production intensity, sustainability and animal health, or the application of biotechnology as a result of human population growth and changing lifestyles. Despite scientific advances, agriculture, and in particular livestock production, remains the main source of food and provides nutrition for humans. The programme of the meeting will include various insights into the field of animal nutrition, genetics, biotechnology, livestock farming systems or animal health and welfare. We believe that the meeting will be full of new and interesting information, will bring interaction and create a space for strengthening existing and establishing new relationships between scientists and teams in the CEE region. In addition to the scientific programme, you can look forward to a welcome drink under our majestic alma mater as well as a gala dinner combined with a presentation of our traditional culture. We hope the 1st EAAP Regional Meeting for Central and Eastern Europe will be a unique opportunity to combine work and social life.

We wish you a pleasant stay in our beautiful city and country!

Organizers of the 1st EAAP Regional Meeting

President of the Meeting

Radovan Kasarda

Slovak University of Agriculture in Nitra,
Slovakia



International Scientific Board

- Klaudia Halászová – Slovak University of Agriculture in Nitra, Slovakia
- Miroslav Záhradník – National Agricultural and Food Centre, Nitra, Slovakia
- Andrea Rosati – European Association for Animal Science, Rome, Italy
- Johann Sölkner – University of Natural Resources and Life Sciences, Vienna, Austria
- Violeta Razmaitė – Lithuanian University of Health Sciences, Baisogala, Lithuania
- Ino Čurik – University of Zagreb, Zagreb, Croatia
- Peter Dovč – University of Ljubljana, Slovenia
- Vlatka Čubrić - Čurik – University of Zagreb, Croatia
- Ludmila Zavadilová – Animal Research Centre, Prague – Uhřetěves, Czech Republic
- Luboš Vostrý – Czech University of Life Sciences, Prague, Czech Republic
- Emil Krupa – Czech-Moravian Breeders Union, Czech Republic
- Gábor Mészáros – University of Natural Resources and Life Sciences, Vienna Austria
- Eva Skřivanová – Czech University of Life Sciences, Prague, Czech Republic
- Jože Verbič – Agricultural Institute of Slovenia, Raziskovalci, Slovenia
- Károly Dubblecz – Hungarian University of Agriculture and Life Sciences, Keszthely, Hungary
- István Nagy – Hungarian University of Agriculture and Life Sciences, Kaposvár, Hungary
- Silvo Žgur – University of Ljubljana, Slovenia
- Zygmunt M. Kowalski – University of Agriculture in Krakow, Krakow, Poland
- Branislav Gálik – Slovak University of Agriculture in Nitra, Slovakia
- Marko Halo – Slovak University of Agriculture in Nitra, Slovakia
- Muhamed Brka – Sarajevo University, Bosnia and Herzegovina
- Denis Kučević – University of Novi Sad, Serbia
- Horia Grosu – The National Research - Development Institute for Animal Biology and Nutrition, Romania
- Catalin Dragomir – The National Research - Development Institute for Animal Biology and Nutrition, Romania
- Vladan Bogdanović – University of Belgrade, Serbia
- Norbert Lukáč – Slovak University of Agriculture in Nitra
- Martino Cassandro - National Association of Breeders of the Friesian, Brown and Jersey Breed, Italy
- Mauro Penasa – University of Padova, Italy

National Organizing Committee

- Drahoslav Lančarič – Slovak University of Agriculture in Nitra, Slovakia
- Juraj Candrák – Slovak University of Agriculture in Nitra, Slovakia
- Peter Chrenek – Slovak University of Agriculture in Nitra
- Adriana Kolesárová – Slovak University of Agriculture in Nitra
- Ondrej Hanušovský – Slovak University of Agriculture in Nitra, Slovakia
- Nina Moravčíková – Slovak University of Agriculture in Nitra, Slovakia
- Dana Peškovičová – National Agricultural and Food Centre, Nitra, Slovakia
- Peter Polák – Slovak Association of Pig Breeders, Bratislava, Slovakia

International Organizing Committee

- Vesna Gantner – Josip Juraj Strossmayer University of Osijek, Poland
- Tomas Sakowski – Institute of Genetics and Animal Biotechnology, Jastrzebiec, Poland
- Marcin Pszcola – Poznań University of Life Sciences, Poznan, Poland
- Ruta Sveistiene – Lithuanian University of Health Sciences, Baisogala, Lithuania
- Arunas Svitojus – Chamber of Agriculture of the Republic of Lithuania, Kaunas, Lithuania
- Andriy Getya - Promotion of vocational training at agricultural colleges in Ukraine, Kyiv, Ukraine
- Federico Liguori – European Association for Animal Science, Rome, Italy
- Katarína Moncmanová – European Association for Animal Science, Rome, Italy
- Carlo Melis – European Association for Animal Science, Rome, Italy
- Fabio Attanasi - European Association for Animal Science, Rome, Italy

About the University

Slovak University of Agriculture in Nitra (SUA) is a modern, fully-recognized, competitive educational and scientific research institution. The University ranks high in international quality assessment rankings. SUA has been ranked as the fifth-best Slovak university out of 14 universities in the Slovak Republic according to the global SCIMAGO Institutions Rankings 2023 and as the fourth-best Slovak university in Slovakia according to the global University Ranking 2023. SUA offers a wide range of bachelor's, master and doctoral study programs and deals with many research and creative topics. As the only agricultural university in Slovakia, it is unique in its profile, historical roots, but also its future. It is a source of knowledge for the public, building partnerships with other scientific and educational institutions, the community, and companies to help the region. An important landmark in Slovak agricultural higher education was the year 1952. In this year, as part of the reorganization of universities, the government established two separate universities from the two faculties of the University of Agricultural and Forestry Engineering in Košice - the University of Agriculture in Nitra and the University of Forestry and Wood in Zvolen. Act of the National Council of the Slovak Republic No. 324/1996 Coll. In 1996, the College of Agriculture has renamed the Slovak Agricultural University. Since its founding in 1952, more than 100 000 students have graduated at SUA. Currently, 5 621 students are studying at University, 449 teachers are teaching and 664 employees are taking care of the university's operations. It consists of six faculties: the Faculty of Agrobiology and of Food Resources; Faculty of Biotechnology and Food Production; Faculty of Economics and Management; Faculty of European Studies and Regional Development; Faculty of Horticulture and Faculty of Landscape Engineering and Faculty of Engineering.

The basis of SUA's educational and scientific research activities are sustainable development, environmental protection, preservation of natural wealth and biological diversity, but also human health through quality nutrition and safe food production, landscape design, climate change, engineering, and effective development of agriculture and rural areas. SUA provides language education, access to information and communication technologies, courses in a foreign language and the opportunity to complete part of the study at partner universities abroad. Overall, the university provides education in 46 bachelors', 35 engineering, 24 doctoral study programs as well as 16 programs offered in English. The mission of SUA, which is part of the European area of higher education and the common European research area, is to contribute to the development of education, knowledge, science, and culture following the needs of society, to develop knowledge, skills, wisdom, creativity, and goodness of man and thereby contribute to the development of knowledge community. Fulfilling this mission with a focus on the student is the main activity of the university. The main task of SUA in fulfilling its mission is to provide higher education under the needs of society and creative scientific research and creative artistic activity. The basis of pedagogical activities and research activities at SUA Nitra are timeless topics such as: sustainable development, environmental protection, conservation of natural resources and biodiversity, as well as human health through quality nutrition and safe food production, landscape design, ecology, efficient agricultural and rural development. SUA is part of many studies abroad programs including Erasmus+, Jean Monnet, CEEPUS, and the Fulbright Commission among others. It also has partnerships with a number of universities across the world to facilitate staff and student exchanges. SUA provides research and education in agriculture and related research areas such as agrobiological, food resources and technology, sustainable agriculture, biotechnology, mechanical engineering, automation and automation of agricultural equipment, operation of energy equipment for agricultural production, economics and management, international trade in agricultural commodities, marketing, rural tourism development, rural development project management, lifelong education.

Conference website: <https://regional2023.eaap.org/>

YoungEAAP



What is the YoungEAAP?

YoungEAAP is a group of young scientists organized under the EAAP umbrella. It aims to create a platform where scientists during their early careers get the opportunity to meet and share their experiences, expectations and aspirations. This is done through activities at the Annual EAAP Meetings and social media. The large constituency and diversity of the EAAP member countries, commissions and delegates create a very important platform to stay up-to-date and close the gap between our training and future employer expectations, while fine-tuning our skills and providing young scientists applied and industry-relevant research ideas.

Committee Members at a glance

- Torun Wallgren (President)
- Ines Adriaens (Vice President)
- Marcin Pszczola (Secretary)

YoungEAAP promotes Young and Early Career Scientists to:

- Stay up-to-date (i.e. EAAP activities, social media);
- Close the gap between our training and future employer expectations;
- Fine-tune our skills through EAAP meetings, expand the special young scientists' sessions, and/ or start online webinars/training with industry and academic leaders;
- Meet to network and share our graduate school or early employment experiences;
- Develop research ideas, projects and proposals.

Who can be a Member of YoungEAAP?

All individual members of EAAP can join the YoungEAAP if they meet one of the following criteria: Researchers under 35 years of age OR within 10 years after PhD-graduation

Just request your membership form (torun.wallgren@slu.se) and become a member of this network!!!

Country information: The Slovak Republic

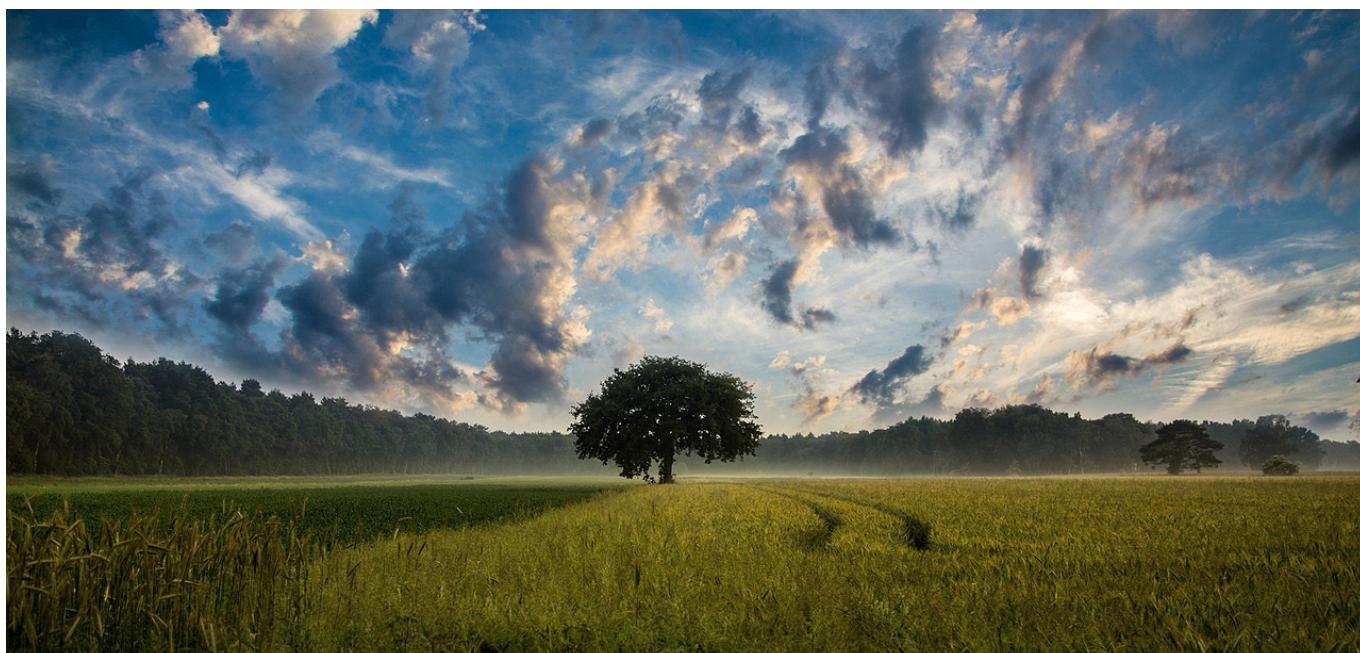


Facts about Slovakia

Population	5.449.265
Area	49,036 km ²
National Language	Slovak

Slovakia, officially the Slovak Republic, is an inland country in Central Europe. It is bordered by Poland to the north, Ukraine to the east, Hungary to the south, Austria to the southwest, and the Czech Republic to the northwest. The capital and largest city is Bratislava, while the second largest city is Kosice. The Slavic tribes settled in the territory of present-day Slovakia in the fifth century. Western Slovakia was the centre of the first organised Slavic empire in the seventh century. After World War I. and the dissolution of the Austro-Hungarian Empire, the state of Czechoslovakia was established. Slovakia became an independent state on 1 January 1993 after the peaceful dissolution of Czechoslovakia, sometimes known as the Velvet Revolution. Slovakia is a developed country with an advanced high-income economy. The country maintains a combination of a market economy with a comprehensive social security system, providing citizens with universal health care or free education. Slovakia is a member of the European Union. Slovakia is a parliamentary democracy with a multi-party system. Slovakia is divided into 8 regions, each of which is named after its principal city. Slovakia features natural landscapes, mountains, caves, medieval castles and towns, folk architecture, spas, and ski resorts. More than 5 million tourists visit Slovakia annually. Slovak is a West Slavic language of the Czech-Slovak group, written in Latin script. It is part of the Indo-European language family and is one of the Slavic languages, which are part of the larger Balto-Slavic branch. Spoken by approximately 5 million people as a native language, primarily ethnic Slovaks, it serves as the official language of Slovakia and one of the 24 official languages of the European Union. In Slovakia, most people (especially the young generation) are able to speak English or German.

Agriculture in the Slovak Republic



Agriculture is the so-called backbone of the economy in Slovakia and as such accounted for 3.6 % of Slovakia's GDP and occupied about 3.9 % of the labour force. The farming sector is characterised by large farm holdings - the average farm size in Slovakia is 77.5 hectares. Over 40 % of the land in Slovakia is cultivated. In 2021, Slovakia's agriculture, fish, and forestry imports accounted for 5.9 billion EUR and exports represented EUR 4 billion. Due to its size and climate, Slovakia depends on imports for many fresh food products. More than 75 % of all agricultural imports come from other EU countries, particularly the neighbouring Czech Republic and Poland. The primary agricultural products are sugar beets, potatoes, wheat, barley, fruit, forest products, corn, cattle, pigs, poultry, and sheep. Grapes for wine production are grown in some hilly areas, and vine production is increasing not only in volume but quality. Animal products, including oils, represent over 80 % of agricultural income. The importance of animal breeding, apart from other things, lies in off-production functions, where beef cattle and sheep play an irreplaceable position in the preservation of the cultural character of the country. Beef cattle breeding as well as sheep breeding belong to the Slovak country and were an important part of its past and we believe that they will also be a part of it in the coming years. Intensive farming of farm animals was preserved in Slovakia, while the production systems were enriched with small herds of individual farmers. Although with respect to the number of farms, individual farmers are dominant, a significant number of animals are bred on large farms. This is mainly true of beef cattle when almost 85% of milk cows are bred on farms with a concentration of 50 and more heads. A similar situation is in the case of pigs, and about 35% of the sheep population is owned by individual farmers. Factory farming, mainly of milk cows, has experienced significant modernisation during the last 10 years and, nowadays, almost 60% of cows are bred in free stalls with milking in modern milk houses. The food-processing sector is one of the largest industrial sectors in Slovakia, accounting for 15 % of total industrial output. The biggest share of total food production is in dairy production (18 %), meat production (17 %), brewing (8 %), poultry production (8 %) and confectionery-baking production (7 %).

About Nitra



The first state structure in most of Slovakia was the Principality of Nitra, which joined Great Moravia in 833. Nitra became the political centre of the Great Moravian Empire. In 862, the Great Moravian duke Rastislav asked Byzantium for Christian missionaries, and the Byzantine Emperor Michael III sent a mission to Great Moravia led by the Thessalonian brothers Constantine (monk named St. Cyril) and St. Methodius, who compiled the Glagolitic alphabet, translated the Holy Bible, liturgical texts, and other books into Old Slavonic. The city reached its height during the government of duke Svätopluk I. and in the 9th century, Nitra was one of the largest agglomerations in Central Europe. The name of the city is derived from the Nitra River. Nitra is not only the oldest town in Slovakia, but it is also now an important economic centre of western Slovakia, the seat of two universities and agricultural education and research, food and automotive industry.

Conference venue



The building of Slovak Agricultural University (College of Agriculture) was built according to the project of architects Vladimír Deděček and Rudolf Miňovský. The project was developed in the years 1955 - 1961. The implementation took place in the years 1961 - 1966, according to the more daring project of Vladimír Deděček. Vladimír Deděček preserved the pavilion composition scheme, the three seven-floor pavilions remained perpendicularly connected to the continuous communication axis, which was reduced to a closed glass corridor on the ground floor. He completed the structure with a number of relatively independent auditoriums in three size variations for 60, 150 and 250 listeners, which he connected perpendicularly to the axis of the continuous corridor on both sides. The three largest auditoriums are situated opposite the three theoretical pavilions, the smaller ones are connected to the corridor in the intervals between the pavilions so that the auditorium for 60 and 150 students stand opposite each other across the corridor, while together they create one architectural volume.

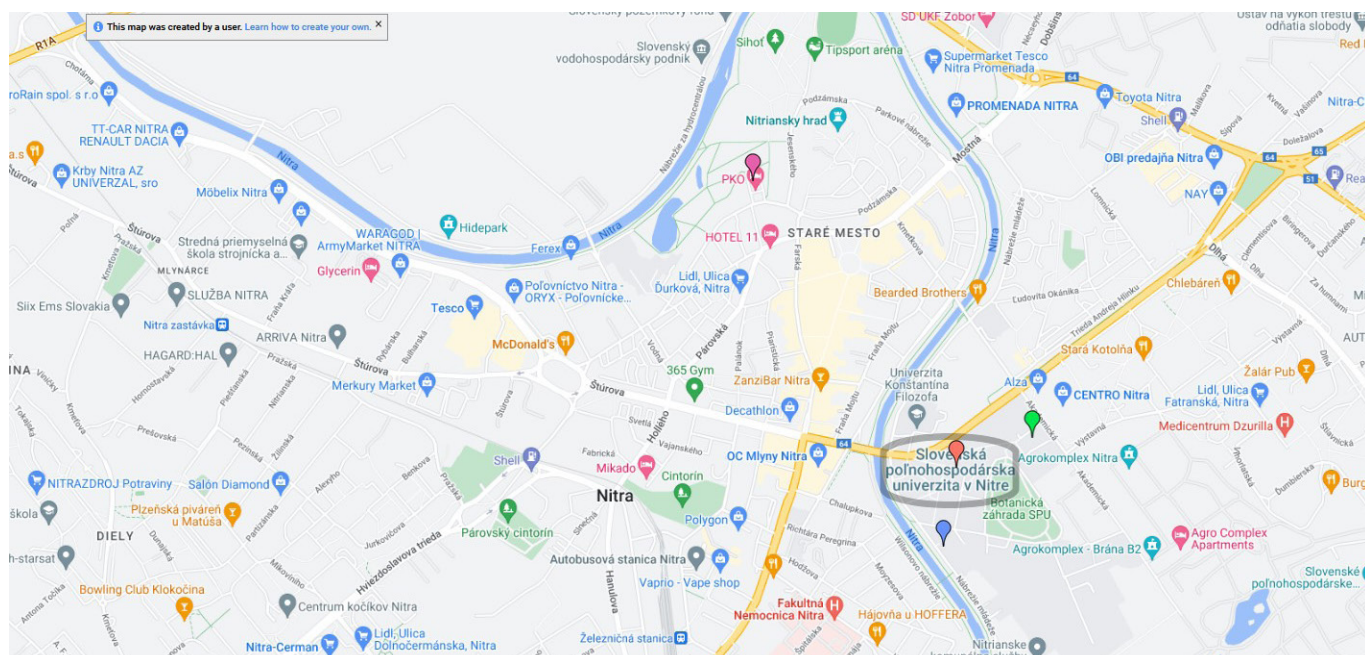


In the end, Vladimír Deděček separated the Aula Maxima Hall, which acquired a unique lenticular shape, and the nine-floor rectorate, from the pavilion scheme, but did not separate it, and gave them a special, somewhat autonomous position. The architect elevated the Aula to the most important part of the university complex. The Aula is supported by an ingenious reinforced concrete system. Its pillars grow through the hall and above it encloses the base of the hall with a crown of forked reinforced concrete pillars arranged in a

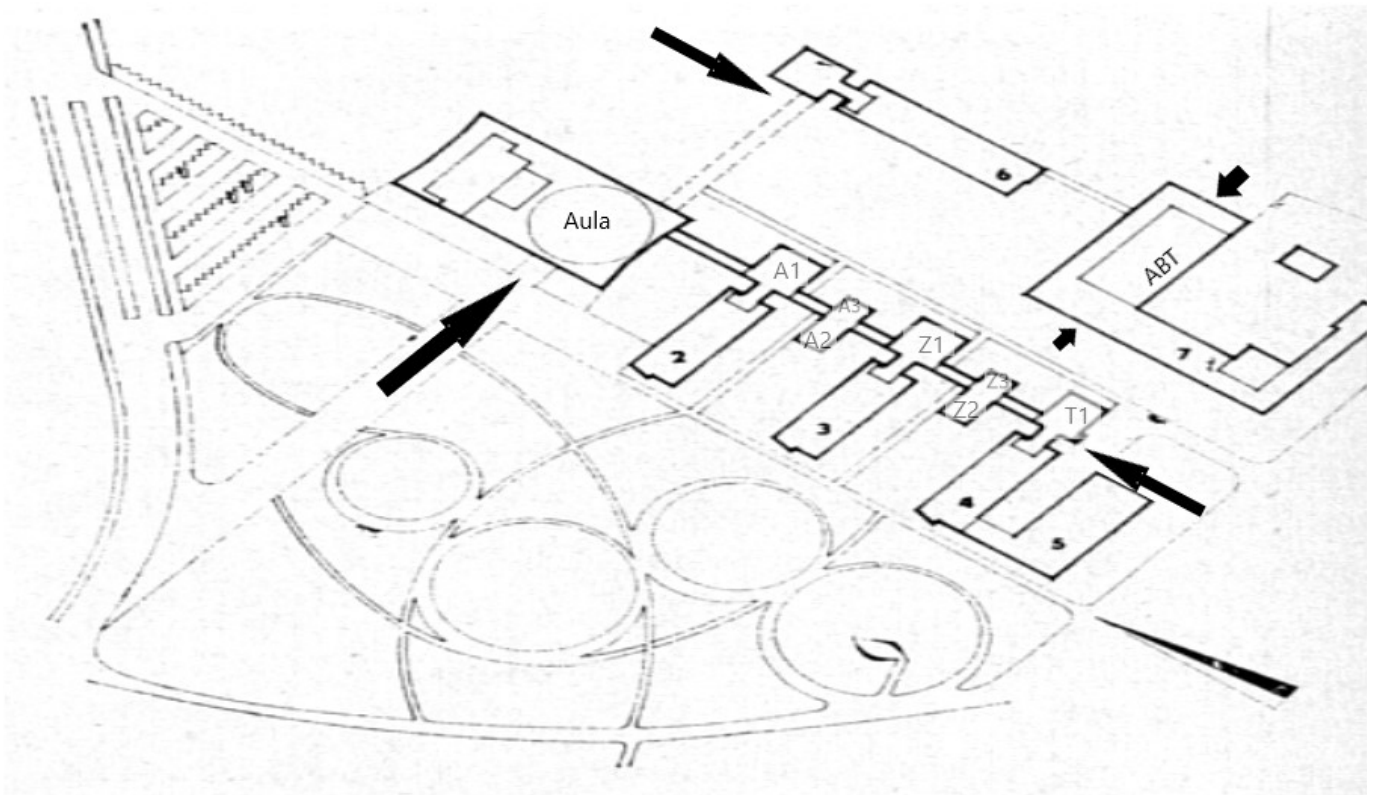
circle so that the edge of the compressed dome can be placed on them without the need for any additional central support in the interior.

This resulted in a lenticular hall with a diameter of 37 meters and a capacity of 600 seats. The dome has a recognised ribbing arranged in a star-shaped pattern around a circular eyelet at the top of the vault. According to the lenticular shape, the slanted sash window, which runs around the entire perimeter of the hall under the edge of the dome, at the level of the forked branching of the exposed supporting pillars, provides panoramic views from the hall to the exterior and at the same time visually separates the dome from the lower part of the hall, thus breaking its static monumentality. Together with its ribbing, it creates an optical play over the hall's social space. In 2000, Aula Maxima was assigned "Millennium building" and in 2014, the complex of the Slovak University of Agriculture (University of Agriculture) was declared a national cultural monument.

Google Maps view:



Floorplans



Useful information

Official language

The official language of the EAAP annual meeting is English. No translation will be provided.

Passport and visa

Entry formalities in Slovakia vary according to the country of origin. European Union (EU) citizens and the European Economic Area (EEA) as well as third-country nationals holding a residence permit of a Schengen State, do not need a Visa to enter Slovakia. All non-EU citizens are asked to contact their local embassies for any specific requirements. All foreign citizens entering Slovakia must have either a valid passport or a valid national ID card.

More information about visa policy in Slovakia is given at <https://www.mzv.sk/en/services/information-for-foreigners/visas-for-foreigners-to-enter-sr>

Official invitation and certification

An official letter will be sent upon request to assist in meeting administrative requirements. However, this invitation implies no obligation, financial or otherwise, by the EAAP organising committee. A certificate of attendance will be available for all the registered participants.

Liability and insurance

The organizing committee cannot accept liability for personal accidents or loss of/or damage to private property of participants and accompanying persons. Participants are advised to acquire their own personal travel and health insurance for their trip.

Health and emergency

In case of emergency, landline or mobile phone users should call 112, the European emergency number to be sent for the relevant department.

Currency and money exchange

The currency in Slovakia is the Euro (€). Most banks are open at 09:00 and close by 16:00 hrs, Monday through Sunday. (Banks in the shopping centres are open from 09:00-21:00 hrs). Post offices are open from 8:00 to 20:00 hrs. Both are generally closed during lunch hour. Please notice that there will be no exchange facilities at the congress venue. Slovakia also has an extensive network of cash dispensers that operate 24 hours a day. ATMs are widely distributed throughout the Conference venue and trough out the city. Most credit cards allow you to withdraw money from ATMs. You can exchange money in banks as well as in exchange bureaus located in the city centre from Monday to Saturday.

Local time zone

The local time in Slovakia is CET (UTC/GMT +1 hour).

Climate

The Slovak climate is mild. The city of Nitra, being in the western part of Slovakia has air temperature over average and rainfall below average. At this time of the year, it is usually sunny and warm. Spring temperatures in Nitra can vary from 10 °C - 21 °C on average. You are advised to bring some warm clothing for the nights can be chilly due to the wind, which is typical for Nitra. For more information, please visit <https://www.shmu.sk/en/?page=1>.

Electricity

Slovakia uses a 220 V system, sockets have the European standard and plugs are two-prong.

Public transport

Public transport throughout the city is organized by busses, which will take you to every possible destination and around Nitra from early in the morning until late at night. Busses stop at the entrance of the conference venue.

Travel

The closest Airport is Bratislava Intl. Airport <https://www.bts.aero/en/>

Much more flights are available by Vienna (AT) Intl. Airport <https://www.viennaairport.com/en/>

Also alternative is Budapest (HU) Intl. Airport <https://www.bud.hu/en>

Several bus companies are operating from Vienna Intl. through Bratislava or directly to Nitra f.e. www.flixbus.com

For detailed information, please visit <https://www.uniag.sk/en/how-to-get-to-sua-in-nitra> to get advice on how to reach Nitra.

Nitra is located close to the national highway network and easily reachable by car. Hotels serve with limited parking places (charged in the city centre). Public parking is in the city centre upon the charge (paid through SMS gate or cash/ coins – 0.50 €/ hour).

Nitra bus terminal and railway station are located 10 min. walking distance from the city centre. Public transport or a taxi could be used for transport to the accommodation or conference venue. The price for a single bus ride is approx. 0.50 € and the average taxi fare in the city is 4 € (phone of the taxi service close to the bus terminal: +421 940 657 756). There are more taxi companies operating in the city. Majority request cash payment.

For more information on local transport, please visit https://moovitapp.com/index/en/public_transit-Andreja_Hlinku_Centro-Nitra-site_142697276-5836

The most traditional shopping area is the city centre with markets, boutiques and craft shops. Several shopping centres, in Nitra and around it, are open every day till 22:00.

Information for participants

Registration desk

The registration desk will be open at the main entrance of the Slovak University of Agriculture in Nitra (Address: Tr. A. Hlinku 2) under the Ceremonial Hall (Aula).

The registration desk will be open from Wednesday, 26th of April 2023, operating from 9:00 – 17:00. Registration desk will also operate on the 27th of April from 9:00 – 17:00 and 28th of April from 9:00 – 11:30.

To authors

If authors do not wish to give permission to have the pdf presentation or poster available on the EAAP website, they must inform EAAP before April 30th (after the conference) by sending an email to eleonora@eaap.org. After this date, EAAP will assume permission and include your presentation/poster on the EAAP website.

Posters:

Digital boards will be available in the commercial zone of the meeting and at the entrance to the lecture room for poster presentations (2 m diagonal).

Upload Center for posters and presentations:

Besides the registration desk, there will be placed in also Upload Center, where the support team will assist all participants in uploading their presentations and poster.

All presenting authors are requested to upload their presentations and posters on Wednesday, 26th of April, from 9:00 – 12:00.

Please bring your presentation and poster on a portable USB drive.

Please prepare your poster as follows:

Single page *.pdf file horizontally (landscape) oriented to allow full-screen presentation.

Theatre:

Lecture rooms and Ceremonial hall are equipped with MS Windows computers. Therefore PowerPoint presentations (*.ppt; pptx) are preferred.

When preparing a presentation, according to the time schedule, consider approx. 3 min. for questions/ discussion at the end of each presentation.

Posters and theatre presentations will be collected on-site at the registration desk on Wednesday 26th of April.

Conference App

An EAAP 2023 App will be available to all registered delegates before the conference. It will contain comprehensive information about the conference and venue program.

Scientific programme

Wednesday 26 April

Session 01. Utilisation of genomics in animal breeding and livestock diversity – differences in the West – East applications

Room: A

Chair: Grosu / Candrák

Session Type: Theme session

Theatre Session 01

- 13:00 Single cell RNA sequencing of bovine milk somatic cells
M. Zorc, M. Dolinar, A. Tanšek, T. Ferme, P. Dovc
- 13:15 Genetic evaluation for health traits of Holstein cows in the Czech Republic
L. Zavadilová, E. Kašná, Z. Krupová, J. Kučera, S. Šlosárková, P. Fleischer
- 13:30 Admixture analysis in the Austrian Turopolje pig population
G. Mészáros, B. Berger, C. Draxl, J. Sölkner
- 13:45 Gain of muscle and feed-to-gain-of-muscle ratio measured by computed tomography in pig selection
G. Daumas, C. Hassenfratz, M. Monziols
- 14:00 Genomic selection of pigs in Czech Republic
E. Krupa, E. Žáková, Z. Krupová, J. Stibal, N. Moravčíková
- 14:15 Osborne-Hazel Index to increase the accuracy of selection
H. Grosu

14:30 Coffee break

- 15:00 The Journey to a Sustainable Herd
D. Matakabayev
- 15:30 Genomic diversity in selected farms of Holstein cattle in Slovakia
A. Halvoník, N. Moravčíková, R. Kasarda, M. Chalúpková, J. Prišťák
- 15:45 Genomic Evaluation for Holstein Cattle in Czech Republic
J. Bauer, J. Šplíchal, D. Fulínová, E. Krupa
- 16:00 The impact of single-step genomic evaluation on breeding values for live animal ultrasound measures in Aberdeen Angus
Z. Veselá, M. Brzáková, A. Novotná, A. Birovaš, L. Vostrý
- 16:15 Genomic evaluation for fertility traits of limousine cattle in the Czech Republic
M. Brzáková, Z. Veselá, A. Birovaš, A. Novotná
- 16:30 Application of genomic tools in the characterisation of the Vlaško-Vitoroga strain of Pramenka sheep in the Republic of Serbia
N. Gligović, D. Stanojević, N. Moravčíková, V. Bogdanović, K. Zeljić-Stojiljković, R. Djedović, R. Kasarda, M. Mészáros
- 16:45 Evaluation of longevity by weighted analysis
D. Fulínová, J. Bauer, J. Příbyl

Poster Session 01

- 01.01 Evaluating alternate model to estimate genetic parameters and breeding values for the calving ease in the Slovak Holstein population.
J. Candrák, E. Strapáková
- 01.02 Genetic effect on the prediction of muscle content of purebred pig carcasses
G. Daumas, C. Hassenfratz, M. Monziols, S. Schwob
- 01.03 Lactation curves in monitoring cows' resilience
J. Vařeka, L. Zavadilová, E. Kašná
- 01.04 Halothane and sex effect on the prediction of lean meat content of crossbred pig carcasses
G. Daumas, C. Hassenfratz, M. Monziols, S. Schwob
- 01.05 Recessive fertility haplotypes in Serbian Holstein-Friesian cattle
M. Šaran, M. Zorc, L. Štrbac, D. Janković, P. Dovč, S. Trivunović

Session 02.

Alternative sources of ingredients and additives

Room: Z

Chair: DublecZ / Rolinec

Session Type: Theme session

Theatre Session 02

- 13:00 A review: Comprehensive Study Regarding the Mealworm *Tenebrio Molitor* Worldwide Utilization, Benefits and Recommendation
I. Andrada Maria, R. Camelia, M. Camelia, M. Vioara, U. Paul, C. Daniel, L. Călin, S. Alexandru, C. Cristian, I. Andrada
- 13:30 Dietary supplementation of Stimbiotic improve the growth performance and beneficial gut microbiota population in post weaning piglets
S. Hasan, G. Cordero, W. Chen, L. Jing, X. Jiang, X. Li
- 13:45 The effects of a grape by-product on the local and systemic antioxidant response in piglets after weaning
G. C. Pistol, D. E. Marin, I. Taranu
- 14:00 Feeding wheat bran can modify several gut parameters and the excreta composition of broiler chickens
N. Such, L. Pál, V. Farkas, G. Csitári, B. Kiss, K. G. Tewelde, K. DublecZ
- 14:15 Reproductive indices in rabbit does after dietary supplementation with nutraceutical substances: Preliminary data.
F. Vizzarri, R. Rossi, T. Sladeczek, R. Jurcik, L. Ondruska

14:30 Coffee break

- 15:00 Effects of local oil cakes supplementation on yolk and albumen colour and nutritional value of yolk lipids in Estonian quail eggs
V. Razmaitė, A. Šiukšcius, R. Šveistienė
- 15:15 Broiler chick's carcass yield and meat quality when supplemented with yeasts bioproducts
D. M. Grigore, E. N. Pogurschi, G. Ciurescu, I. Ranga, E. N. Babeanu
- 15:45 Alternative proteins: new trends in nutrition
P. Lenártová, B. Gálik, M. Gažarová, M. Habánová
- 16:00 Insect meal. An effective alternative source of nutrients in animal nutrition?
S. Drotárová, B. Gálik, M. Šimko, M. Juráček, O. Hanušovský, M. Rolinec, M. Kalúzová, M. Kapusniaková
- 16:15 Alterations in the rumen microbial communities and fermentation patterns of lambs fed diets supplemented with organic zinc
D. Petrič, K. Mikulová, K. Čobanová, S. Kišidayová, Z. Váradyová
- 16:30 Modern trends in Dairy cattle Nutrition
J. Helembai

Poster Session 02

- 02.01 Investigating the potential of mustard seed as an alternative source of bioactive compounds in feed for piglets
I. Taranu
- 02.02 Separation of soybean fractions in floor warehouses and their influence on the soybean oil and meal quality
S. Zjalic, T. Kricka, A. Matin, M. Grubor

Session 03.

Economic versus environmental sustainability of livestock production in the CEE macroregion

Room: T

Chair: Getya / Peskovicova

Session Type: Theme session

Theatre Session 03

- 13:00 Needs of the dairy sector: an European overview
L. Czeglédi, N. Browne, E. Török
- 13:30 Mountain livestock production – much more than a sustainable agricultural niche
P. Dovc, A. Bernués Jal, M. Schneider, C. Morgan-Davies, L. Vibeke, M. Zorc, C. Pauler, M. Gauly, O. Holand, M. Coppa, T. Zanon, G. Cozzi
- 14:00 Preliminary analysis of beef production systems in central and northern regions of Slovakia
O. Pastierik, M. Záhradník

- 14:15 EuroSheep: Cost benefit and Sustainability analysis of Health and Nutrition Best Practices
M. A. Karatzia, D. Tsiokos, A. Carta, S. Salaris, C. Morgan-Davies, J. Munro, I. Beltran de Heredia, R. Ruiz, S. Ocak-Yetgin, T. Keady, B. McClearn, R. Klein, P. G. Grisot

14:30 **Coffee break**

- 15:00 Agro-ecological practices in a dairy herd simulated digitally in a serious game SEGAE
J. Makulska, M. Cupiał, N. Bareille, S. Couvreur, P. Gontier, B. Tombarkiewicz, A. Węglarz, O. Godinot
- 15:15 FaoStat facts about horse gray market in EU countries
K. Potočník, B. Luštrek, M. Križman, A. Kaić

Poster Session 03

- 03.01 Evaluation of economic indicators on Czech dairy farms in recent years
J. Syrůček, L. Bartoň, D. Řehák, M. Štolcová, J. Burdych

Session 09A.

Animal welfare, health, and reproduction /1

Room: T
Chair: Krupa / Zavadilová
Session Type: Theme session

Theatre Session 09

- 15:30 Qualitative indicators of sperm evaluation of meat breeds of cattle in Slovakia
J. Pokorádi
- 16:00 Influence of metabolic status on ovum pick-up success rate and reproductive capability of cows
J. Ducháček, J. Bezdíček, L. Stádník, M. Gašparík, R. Holásek, J. Pytlík, R. Cidl
- 16:15 Influence of post-mortem time intervals on the quality of spermatozoa recovered from the epididymis of common eland bulls (*Taurotagus oryx*)
J. Consolación, F. Ceacero, V. Ny, R. Kotrba, A. J. Soler Valls, T. Needham
- 16:30 Milk traits as indicators of energy status in early lactation dairy cows from two farms
M. Štolcová, L. Bartoň, D. Řehák

Thursday 27 April

Plenary session

Room: Aula - Ceremonial Hall
Session Type: Plenary session

Theatre Session

- 9:00 Understanding of the transition period in dairy cows
Z. M. Kowalski
- 9:30 Use of infrared spectra of milk for genetic improvement of health traits in cattle
J. Sölkner, L. M. Rienesl, A. Koeck, B. Fuerst-Waltl, C. Egger-Danner
- 10:00 Implementation of low-cost genomic selection, phenotyping for methane emission and disease challenges using DNA sequencing technology
J. C. McEwan, K. G. Dodds, T. P. Bilton, R. Brauning, M. K. Hess, A. S. Hess, K. M. McRae, A. F. McCulloch, T. C. Van Stijn, M. C. French, R. M. Anderson, S. J. Rowe, S. M. Clarke

10:30 **Coffee break**

- 11:00 Selecting to lower the environmental impact of livestock production
M. Pszczola, M. Pszczola
- 11:30 Mitogenome information in cattle breeding and diversity management: an untapped treasure?
I. Curik
- 12:00 Research on stem cells and their use in conservation of animal genetic resources
J. Vašíček, J. Vašíček, A. Baláži, A. Svoradová, M. Bauer, M. Tirpáková, L. Olexiková, J. Vozař, L. Dujičková, A. Makarevich, P. Chrenek

Session 04.

Management of local genetic resources

Room: A

Chair: Cubric Curik / Moravčíková

Session Type: Theme session

Theatre Session 04

- 13:00 Funding of animal genetic resources conservation in Slovakia
J. Tomka, J. Huba, I. Pavlík
- 13:15 Genomic regions associated with phenotypic differentiation in European local pig breeds
K. Poklukar, C. Mestre, M. Škrlep, M. Čandek-Potokar, B. Servin
- 13:30 Inbreeding evaluation in Latvian local breeds
L. Paura, D. Jonkus
- 13:45 Recent activities for ex situ conservation of AnGR in Poland
E. Sosin, A. Chelmińska, J. Krawczyk
- 14:00 Consequences and negatives in the management of local sheep breeds with risk status - threatened with extinction
D. Dimov, P. Zhelyazkova
- 14:15 Genomic connectedness between local populations of Valachian sheep
N. Moravčíková, R. Kasarda, M. Mészárosová, M. Margetin, A. Trakovická, I. Pavlík, D. Stanojević, V. Bogdanović, N. Gligović, H. Grosu, M. A. Gras, M. Rotar

14:30 Coffee break

- 15:00 Population structure and genomic characterisation of Czech and Slovak local goat breeds
L. Vostry, H. Vostra-Vydrova, N. Moravcikova, R. Kasarda, M. Margetin, J. Rychtarova, B. Hofmanova, I. Drzaic, V. Cubric-Curik, J. Sölkner, I. Curik
- 15:15 Genomic assessment of population structure, admixture and conservation status of two Croatian goat breeds
I. Drzaic, V. Orehovački, N. Moravcikova, M. Shihabi, I. Curik, L. Vostry, R. Kasarda, J. Soelkner, V. Cubric-Curik
- 15:30 Estimation of genetic parameters in three horse populations using pedigree and molecular analysis
T. Ferme, M. Zorc, K. Jamnik Cerik, A. Tanšek, M. Dolinar, L. Vostry, P. Dovc
- 15:45 History and present of poultry genetic resources in the Czech Republic
M. Tyller, V. Mátlová, T. Němeček, K. Beranová, V. Anderle, H. Iandová-Tyllerová
- 16:15 Advances of genomic data in animal breeding
J. R. Tait
- 16:45 Genotyping of microsatellite markers for the verification of variability in honeybee populations in the Czech Republic
T. Urban, A. Knoll

Poster Session 04

- 04.01 Analysis of factors influencing the quality and quantity parameters of milk depending on the cow housing system in selected holdings
S. Socha, E. Kruk, D. Kolodziejczyk, P. Gulinski, E. Salamonczyk
- 04.02 Biodiversity of livestock in Poland
J. Krawczyk, E. Sosin, A. Chelmińska
- 04.03 Mitochondrial haplotype diversity in Slovak autochthonous sheep breeds
M. Mészárosová, G. Mészáros, N. Moravčíková, I. Pavlík, M. Margetin, R. Kasarda
- 04.04 Impact of genomic information on the genetic evaluation of show-jumping performance of horses in the Slovak Republic
J. Candrák, M. Miluchová, M. Gábor, R. Kasarda, N. Moravčíková
- 04.05 Analysis of health and welfare of horses kept in tie stalls and box stalls with paddock
S. Socha, N. Lipski, D. Kolodziejczyk, P. Gulinski
- 04.06 Possible benefits of mare's milk production in Croatia
M. Gregić, V. Gantner, M. Baban, P. Mijić, T. Bobić
- 04.07 Autozygosity islands in the genome of the Slovak wild boar population
R. Kasarda, N. Moravčíková, M. Hustinová, M. Fik

Session 05.

Nutrition and health

Room: Z

Chair: Bruggeman / Hanušovský

Session Type: Theme session

Theatre Session 05

- 13:00 Does the trace mineral source affect rumen function? A review.
D. Brito De Araujo
- 13:15 The possible impact of punicalagin on ovarian steroidogenesis in animal and human models
S. Baldovská, D. Packová, L. Kohút, A. Kolesárová
- 13:30 Beyond the rumen. Improving gut integrity and health by ensuring trace mineral source quality and stability
D. Brito De Araujo
- 13:45 The individual differences in dairy cows ruminal pH during the lactation
O. Hanušovský, D. Bíro, M. Šimko, M. Juráček, B. Gálik, M. Rolinec, M. Kalúzová, S. Drotárová, M. Kapusniaková
- 14:00 The assessment of amygdalin modulatory effects in different animal models
A. Kolesárová, M. Halenár, S. Baldovská, L. Kohút
- 14:15 The effect of low protein diet on adipose tissue transcriptome in Krškopolje pig breed
K. Poklukar, M. Čandek-Potokar, N. Batorek Lukač, M. Vrecl, G. Fazarinc, M. Škrlep

Poster Session 05

- 05.01 The effects of mycotoxin alternariol on cell growth, division and cell cycle in porcine peripheral blood morphonuclear cells
V. C. Bulgaru, G. C. Pistol, I. Taranu, D. E. Marin

Session 06.

Healthier and more sustainable foods of the future

Room: T

Chair: Kucevic / Kolesárová

Session Type: Theme session

Theatre Session 06

- 13:00 Nutritional value and bioactive properties of several honey types from Romania
O. Bobis, D. S. Dezmirean, V. Bonta, A. Moise, C. Pasca, A. I. Giurgiu
- 13:30 Production, carcass, meat quality and biochemical traits in Krškopolje pig compared to modern lean crossbreed reared under same conditions
M. Škrlep, K. Poklukar, N. Batorek Lukač, M. Čandek-Potokar
- 14:00 Effect of essential oils on the pH in minced pork meat
M. Gondeková, J. Huba, M. Záhradník, D. Peškovičová, J. Sebeš, B. Oroszová, M. Hlebová
- 14:15 Isolation and characterization of lactic acid bacteria from raw goat milk and farm environment: Assessment of physiological and technological features.
M. A. Karatzia, E. Psomas, A. Dobroulou, G. Meneleklis, C. Vanidis

Session 07.

Environmental aspects of animal nutrition

Room: Z

Chair: Cieslak / Gálik

Session Type: Theme session

Theatre Session 07

- 15:00 Effects of apple pomace in the high-forage diet for dairy cows on ruminal fermentation and methane production in rumen and milk
M. Kozłowska, B. Nowak, M. Skorupka, A. Sznejder, B. Wyrwał, H. Huang, A. Jóźwik, J. O. Horbańczuk, M. Szumacher-Strabel, A. Cieślak
- 15:15 Effect of the essential oil blend Rumitech in a high-forage diet on methane production and performance of dairy cows
A. Cieslak, H. Huang, B. Nowak, M. Kozłowska, D. Lechniak, P. Pawlak, M. Szumacher-Strabel, J. Dijkstra

- 15:30 Impact of the long-cut chaff technology on milk yield and methane emission in dairy cows
B. Nowak, M. Skorupka, A. Szejner, B. Wyrwal, M. Chamier Gliszczynski, H. Mahmood Ul, M. Szumacher-Strabel, A. Cieslak
- 15:45 Effect of inoculated grass silage on rumen fermentation and methane emission in dairy cows
A. Szejner, B. Wyrwal, B. Nowak, M. Skorupka, M. Kowalska, H. Mahmood Ul, M. Szumacher-Strabel, A. Cieslak
- 16:00 Greenhouse gases emission from livestock production and its impact on climate change – discussion of the farmers' awareness survey
M. Skorupka, A. Szejner, B. Wyrwal, B. Nowak, J. Lum, M. Szumacher-Strabel, A. Cieslak
- 16:15 Determination of greenhouse gas emissions from pig farming in Slovakia during 2021
Z. Palkovičová, R. Mlynár
- 16:30 Ruminant microbiome and fermentation associated with the gastrointestinal nematode *Haemonchus contortus*
K. Mikulová, D. Petrič, D. Battányi, M. Várady, Z. Váradyová
- 16:45 *Aronia melanocarpa* mitigate acrylamide induced injury of eukaryotic cell
A. Navrátilová, M. Kovár, J. Kopčėková, J. Mrázová, A. Trakovická, M. Požgajová

Poster Session 07

- 07.01 The impact of crude protein content in diet of dairy cows to estimate GHG emissions.
D. Ruska, L. Berzina, D. Jonkus

Session 08.

Livestock Farming Systems Free communications /1

Room: T

Chair: Gantner / Tančin

Session Type: Free communications

Theatre Session 08

- 15:00 Heat stress at dairy farm level: variability, intensity and frequency of occurrence
V. Bogdanović, D. Stanojević, N. Gligović, R. Djedović
- 15:30 Prevalence of udder pathogens isolated in cow milk in Slovakia during the year 2021
V. Tančin, V. Tančin, B. Gancárová, M. Árvayová, L. Černek, L. Mačuhová, K. Tvarožková
- 15:45 EuroSheep: co-construction approaches to understand main needs of sheep farmers and define innovative solutions to improve the sector's profitability
J. Munro, C. Morgan-Davies, M. Karatzia, C. Ligda, I. B. de Heredia, R. Ruiz, A. Carta, S. Salaris, T. Keady, B. McClearn, S. Ocak Yetisgin, R. Klein, P. G. Grisot
- 16:00 Breeding Soundness Examination – as a tool to improve reproductive efficiency and farm yield in extensive systems.
L. Pinto de Andrade, J. Carvalho, S. Dias, M. Martins, S. Bernardino, T. Domingos, I. Castanheira, J. Rodrigues
- 16:15 The development of farm robot in pig breeding
V. Gantner, K. Kuterovac, Z. Steiner, K. Zmaić
- 16:30 Effect of cage change on the induction of receptivity of female rabbits under conditions of different photoperiodic regimes
M. Fik, J. Andreji, C. Hrnčár, N. Moravčíková, T. Kanka, R. Kasarda
- 16:45 Seasonal differences in ammonia concentrations and emissions in pig farming
Z. Palkovičová, R. Jurčík, A. Hanus

Friday 28 April

Session 09B.

Animal welfare, health, and reproduction / 2

Room: A

Chair: Krupa / Zavadilová

Session Type: Theme session

Theatre Session 09

- 9:00 The attitudes of consumers and farmers in Ukraine toward animal welfare.
A. Getya, M. Matvieiev, N. Hryshchenko, E. Åsbjær, B. Staaf Larsson, A. Karlsson, H. Wie, G. Zamaratskaia, O. Kravchenko, S. Usenko, I. Kocina, L. Anson, V. Ribikauskas, I. Khalilova, A. Mammadov, J. Ojaghi, D. Arney, R. Leming, F. Carnovale
- 9:30 Administration of medicines and performance of sows based on farm data
Z. Krupová, E. Žáková, E. Krupa, J. Stibal, L. Zavadilová

- 9:45 The influence of genotype and sex on the fatty acid composition of the intramuscular fat of pigs fed linseed
D. Karolyi, D. Rimac, M. Červek, Z. Luković, K. Salajpal

10:00 Coffee break

- 10:30 Fatty acid content of cryopreserved and fresh bovine spermatozoa: A comparative study.
F. Benko, J. Árvay, M. Ďuračka, N. Lukáč, E. Tvrdá
- 10:45 Dose- and time-dependent in vitro impact of naringenin on the vitality of bovine spermatozoa
E. Tvrdá, F. Benko, M. Ďuračka, N. Lukáč
- 11:15 Effect of diseases on the culling of dairy cows: a case study in Holstein nucleus herd.
M. Chalupková, R. Kasarda, N. Moravčíková, A. Halvoník
- 11:30 Challenges of applying selective dry cow treatment on Czech dairy farms
M. Gašparík, J. Ducháček, L. Kejdová-Rysová, L. Stádník, R. Codl, V. Legarová, J. Pytlík

Poster Session 09

- 09.01 Prevalence of udder pathogens isolated in raw goat milk at late lactation stage
B. Gancárová, K. Tvarožková, M. Uhrinčat, L. Mačuhová, V. Tančin
- 09.02 Some factors influencing the welfare of dairy cows at the individual level
L. T. Csiszter, L. T. Csiszter, R. I. Neamț, S. E. Erina, S. Baul, D. E. Ilie
- 09.03 Associations between somatic cell counts (SCC), selected milk production traits and milk production conditions in Slovak Spotted dairy cows
J. Bujko, M. Miluchová, M. Gábor, J. Candrák, R. Kasarda
- 09.04 Observation of changes in heart rate and rectal body temperature of calves during the first hour after birth.
T. Hegerová, P. Juhás
- 09.05 Neuronal ceroid lipofuscinosis in a domestic dog on the example of the Golden Retriever breed
J. Kałuska, A. Grochowska, P. Kurowska, J. Osypiuk, D. Wilim, G. Damentka, A. Filipek, M. Michalik, M. Kołpak, B. Grzegorzółka, J. Gruszczyńska
- 09.06 Protein profiles in the transfected hen (*Gallus gallus domesticus*) oviductal secreting cells
M. Wu, G. Maiorano, S. Zuo, K. Stadnicka
- 09.07 Barn climatic effects on milk production and milking frequency in automatic milking system
I. Knížková, P. Kunc
- 09.08 Analysis of the calving ease and stillbirth traits in the Slovak Holstein cows
E. Strapáková, J. Candrák, P. Strapák
- 09.09 Relationship between rectal temperature, eye temperature and air temperature
P. Kunc, I. Knížková, P. Jiroutová, J. Knížek, D. Procházka, E. Nejedlá, M. Kočí, G. Lüttmerding

Session 10.

Genetics Free communications

Room: Z

Chair: Potočník / Vostry

Session Type: Free communications

Theatre Session 10

- 9:00 Genomic inbreeding and heterozygosity in Austria dog populations
G. Mészáros, M. Mészárosová, A. Geretschlager
- 9:15 Genetic parameter estimations for antler traits in a captive red deer (*Cervus elaphus hippelaphus*) population
I. Nagy, A. Bokor, G. Kover, J. Bokor
- 9:30 Carcass and meat quality traits of Siciliana chickens, a native Italian breed
S. Tavaniello, N. Iaffaldano, M. Peng, G. Grassi, M. Di Iorio, E. Antenucci, M. Palazzo, G. Maiorano
- 9:45 Examination of the integration efficiency of guinea fowl embryonic gonad-derived cell suspension into the recipient embryonic gonad
A. Ecker, B. Lázár, R. Tóth, E. Várkonyi, E. Gócza

10:00 Coffee break

- 10:30 Polymorphisms in CAST genes and their association with feed conversion ratio in Latvian Dark-Head sheep
I. Trapina, D. Kairisa, S. Plavina, J. Paramonovs, N. Krasnevska, N. Paramonova
- 10:45 Detection of the 11 bp Insertion Associated with Milk and Reproduction Traits within Slovak Population of White Shorthair Goat
J. Gašper, M. Miluchová, M. Gábor

- 11:15 Ancestral inbreeding and inbreeding-purging models' comparative analysis based on their classification efficiency of the Pannon white rabbit kits' survival at birth
T. Nguyen A, I. Nagy, J. Farkas, I. Curik, G. Kövér
- 11:30 Investigation of the effect of heat treatment on epigenetic modification in chicken primordial germ cells
N. Tokodyné Szabadi, N. Tokodyné Szabadi, N. Tokodyné Szabadi, R. Tóth, B. Lázár, E. Várkonyi, K. Liptói, E. Gócza

Poster Session 10

- 10.01 Analysis of chinchilla (*Chinchilla lanigera*) reproduction results on a breeding farm
S. Socha, K. Oleksiuk, D. Kolodziejczyk
- 10.02 Analysis of factors affecting the quality and length of life of dogs
S. Socha, M. Mironska, D. Kolodziejczyk
- 10.03 Interaction of the ovine host genome with *Corynebacterium pseudotuberculosis* infection
J. Kyselová, J. Marková, L. Tichý, Z. Sztankóová, K. Kavanová, M. Beinhauerová
- 10.04 Mutation within the PKLR gene in a domestic cat – molecular test project
J. Osypiuk, K. Jazwiński, D. Wilim, J. Kałuska, P. Kurowska, G. Damentka, A. Filipek, M. Michalik, M. Kołpak, B. Grzegorzółka, J. Gruszczyńska
- 10.05 Searching for the DNMT1 gene mutation responsible for Exercise Induced Collapse in a domestic dog (*Canis lupus familiaris*) on the example of the Belgian Shepherd Dog breed
G. Damentka, B. Grzegorzółka, J. Gruszczyńska

Session 11.

Livestock Farming Systems Free communications /2

Room: T

Chair: Gantner / Tančin

Session Type: Free communications

Theatre Session 11

- 09:00 Technological aspects, bee pathologies and bee products in UASVM Cluj-Napoca apiary during 2014-2023
C. Pașca, O. Bobiş, D. S. Dezmirean
- 09:15 Farmer experience in transfer from conventional to robotic milking in Croatia
P. Mijić, V. Gantner, M. Gregić, M. Baban, T. Bobić
- 09:30 Teat Condition and Milkability Traits of the Primiparous Cows in Automatic Milking System
T. Bobić, P. Mijić, V. Gantner, M. Baban, M. Gregić
- 09:45 Variability of daily milk yield in Holstein cows
E. Kašná, L. Zavadilová, J. Vařeka

10:00 Coffee break

- 10:30 Effects of housing system (enriched cages vs free range) on external and internal quality of table eggs
C. Hrnčár, M. Zimová, E. Hanusová, L. Zita, J. Bujko, M. Fik, T. Kanka, R. Kasarda
- 10:45 Effect of four types of bedding material on live weight and footpad dermatitis score in broiler chickens
J. Strašífták, J. Strašífták, M. Chudá, P. Juhás
- 11:15 Survival of ostrich embryos and chicks until the age of 48 weeks
L. D. Brassó, I. Komlósi
- 11:30 The frequency of distribution somatic cell count in goat's milk before dry period
K. Tvarožková, V. Tančin, B. Gancárová, M. Uhrinčat, L. Mačuhová

EAAP Study commissions



Commission on Animal Genetics

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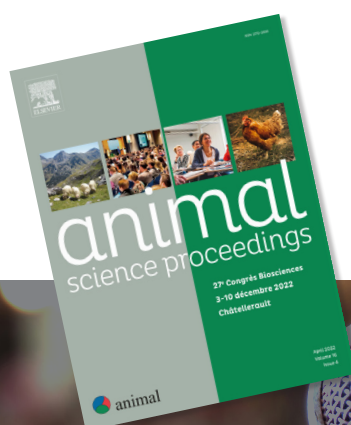
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