

## PROGRAM

### *9<sup>TH</sup> INTERNATIONAL SCIENTIFIC MEETING*

#### *“DAYS OF VETERINARY MEDICINE 2022”*

Thursday (22.09.2022)		
16:00 – 18:30	<b>Arrival of participants and Registration</b>	
19:00 – 19:30	<b>Opening ceremony and welcome</b>	
19:30 – 20:00	<b>Invited Lecture:</b> <i>New skills and knowledge in veterinary profession</i> <b>Prof. dr. sc. Alen Slavica- Faculty of veterinary medicine, University of Zagreb</b>	
20:00	<b>Welcome Cocktail</b>	
Friday (23.09.2022)		
09:00 – 09:30	<b>Plenary lecture I:</b> <i>Biosecurity in animal production, what, when and how?</i> <b>Prof. dr. Jeroen Dewulf, Faculty of Veterinary Medicine, Ghent University, Belgium</b> (Lecture room 1)	
09:30 – 11:00	<b>Session I:</b> <b>Farm Biosecurity and Environment</b> <i>Chairs: Jeroen Dewulf and Miroslav Kjosevski</i> (Lecture room 1, parallel session)	<b>Session II:</b> <b>Basic sciences and Veterinary education</b> <i>Chairs: Rizah Avdić and Martin Nikolovski</i> (Lecture room 2, parallel session)
	<i>Biosecurity assessment and critical improvement points of dairy cattle farms - Miroslav Kjosevski, Vanja Kondratenko, Branko Angjelovski, Aleksandar Janevski, Milenko Simovikj, Igor Djadjovski, Aleksandar Dodovski, Kiril Krstevski</i>	<b>Renal microvasculature in the chicken - Nedžad Hadžiomerović, Rizah Avdić, Faruk Tandir</b>
	<i>Comparison of the two different protocols for biosecurity assessment in commercial pig farms - Branko Angjelovski, Vanja Kondratenko, Milenko Simovikj, Jovan Bojkovski, Miroslav Kjosevski</i>	

	<p><i>Assessment of biosecurity measures on the broiler farms in the region of Belgrade city - Jelena Maletic, Ljiljana Spalević, Vesna Milićević, Bojan Milovanović, Branislav Kureljušić</i></p>	<p><i>Forming new collection of pharyngeal teeth from cyprinid fishes collected in Croatia and neighboring countries - Denis Leiner, Srebrenka Nejedli, Snježana Čurković, Damir Mihelić</i></p>
	<p><i>Biomonitoring of wastewaters from slaughterhouses in Macedonia - Marija Ratkova Manovska, Snezana Dimitrovska, Ena Dobrikj, Miroslav Kjosevski, Gordana Ilievska, Biljana Stojanovska Dimzovska, Katerina Blagoevska</i></p>	<p><i>Radiological diagnosis of an ectopic ureter in a poodle – case report - Boris Dimitrievski, Aleksandar Janevski, Marko Mitrović, Dine Mitrov</i></p>
	<p><i>The impact of small hydro power plans on trout fish farms in North Macedonia - Aleksandar Trajchovski, Misho Hristovski</i></p>	<p><i>Suppression effects of excessively expressed gene bcl-2 in cell lines of prostate cancer - Igor Esmerov, Nikola Adamov, Aleksandra Angelevska, Radmila Chrcheva, Ljupco Mickov, Ljupco Angelovski, Nikolaj Markov, Branko Atanasov</i></p>
	<p><i>Initial findings of total air dust concentration in cattle and poultry houses in Macedonia- Ena Dobrikj, Aleksandar Janevski, Aleksandar Dodovski, Miroslav Kjosevski</i></p>	<p><i>Digital education in veterinary studies - Igor Ulchar, Ksenija Ilievska, Lazo Pendovski, Zehra Hajruali Musliu, Alen Slavica, Lada Radin, Marko Poletto, Danijela Kirovski, Ljubomir Jovanovic, Ivan Jovanovic</i></p>
<b>11:00 – 11:30</b>	<b>Coffee break &amp; Poster exhibition (Part 1)</b>	
<b>11:30– 12:00</b>	<p><b>Plenary lecture II:</b>  <i>Antimicrobial resistance (AMR) problems in companion animals</i>  <b>Prof. dr. Peter Damborg, University of Copenhagen, Denmark</b>  (Lecture room 1)</p>	
<b>12:00 – 13:30</b>	<p><b>Session III: Antimicrobial resistance</b>  <i>Chairs: Peter Damborg and Iskra Cvtekovikj</i>  (Lecture room 1, parallel session)</p>	<p><b>Session IV: Animal Welfare and Behaviour</b>  <i>Chairs: Vlatko Ilieski</i>  (Lecture room 2, parallel session)</p>
	<p><i>Antimicrobial resistance in bacteria isolated from companion animals in Republic of North Macedonia - Iskra Cvetkovikj</i></p>	<p><i>Ultrasound – method to assess keel bone fractures in laying hens - Dimitar Bozinovski, Lazo Pendovski, Miroslav Kjosevski, Martin Nikolovski, Dimitar Terzievski, Vlatko Ilieski</i></p>
	<p><i>The occurrence of blaCTX-M, blaSHV, blaTEM genes in extended-spectrum <math>\beta</math>-lactamase producing commensal E.coli isolates from dairy farms in the municipality of Debar - Maksud Kerluku, Marija Ratkova Manovska, Gordana Ilievska, Dean Jankuloski, Katerina Blagoevska</i></p>	<p><i>Comparative analysis of stray dog population survey in Skopje in the period of 2010-2022 - Dimitar Terzievski, Miroslav Kjosevski, Dimitar Bozinovski, Vlatko Ilieski</i></p>

	<i>Determination of antimicrobial susceptibility of <i>Trueperella pyogenes</i> isolates from various clinical specimens of animals</i> - Dilek Öztürk, Sibel Yaman	<i>Welfare assessment – as tool for preventing, recognition and treatment of pain in dogs after elective surgery</i> - Dardan Pozhegu
	<i>Antimicrobial resistance in commensal <i>Escherichia coli</i> isolated from pigs' cecal samples at slaughter</i> - Dean Jankuloski, Marija Ratkova Manovska, Katerina Blagoevska, Gordana Ilievska, Biljana Stojanovska Dimzoska, Mirko Prodanov, <b>Ljupco Angelovski</b> , Sandra Mojsova, Snezana Dimitrovska	<i>Welfare assessment of pigs in the time of slaughter - stunning quality as a welfare indicator</i> - <b>Emilija Murdjeva</b> , Branko Angjelovski, Mirko Prodanov, Miroslav Kjosevski
	<i>Veterinarian's standpoints regarding antimicrobial stewardship in serbia-</i> <b>Zorana Kovačević</b> , Mihajlo Erdeljan, Ivan Stančić, Dragana Tomanić, Zorana Ružić, Ivan Galić, Romel Velev	<i>Welfare assessment of sport horses in stables in Macedonia</i> - <b>Kristina Antovska</b> , Lazo Pendovski, Vlatko Ilieski, Miroslav Kjosevski
		<i>Survey on recognition of problems of locomotion system in horses in Macedonia</i> - <b>Marija Solakova</b> , Elena Atanaskova Petrov, Miroslav Kjosevski, Ksenija Ilievska
<b>13:30 – 14:30</b>	<b>Lunch</b>	
<b>14:30 – 15:00</b>	<b>Plenary lecture III:</b> <i>The Practical Application of Regenerative Medicine in Canine Musculoskeletal Conditions</i> <b>Dr Russell Chandler BVSc CertSAO MSc(OrthoEng) MRCVS, Small Animal Orthopaedics Alphavet Referrals Newport, Wales, UK</b> (Lecture room 1)	
<b>15:00 – 15:30</b>	<b>Plenary lecture IV:</b> <i>Intervertebral disc disease – a marked road or a jungle?</i> <b>Prof. dr. sc. Boris Pirkich, Faculty of veterinary medicine, University of Zagreb, Croatia</b> (Lecture room 1)	
<b>15:30 – 16:00</b>	<b>Coffee break &amp; Poster exhibition (Part 2)</b>	
<b>16:00 – 17:30</b>	<b>Session V:</b> <b>Veterinary Clinical Medicine</b> <i>Chairs: Russell Chandler and Ksenija Ilievska</i> (Lecture room 1)	
	<i>Topical application of homologous serum for treatment of corneal ulcer in dogs</i> - <b>Ksenija Ilievska</b> , Elena Atanaskova Petrov, Filip Trojchanec, Jane Vlahov, Plamen Trojchanec	

	<i>Disease-stage related therapeutic response of mesenchymal stromal cells after intra-articular delivery in a mouse osteoarthritic joint - Ana Ivanovska, Patrizio Mancuso, Conor Hennessy, Swarna Raman, Steven McLoughlin, Jamie Reilly, Frank Barry, Mary Murphy</i>	
	<i>Mesenchymal stromal cells lyo-secretome: preliminary clinical application in dogs and horses with naturally occurring osteoarthritis - Priscilla Berni, Michela Mocchi, Virna Conti, Silvia Dotti, Dario Di Silvestre, Riccardo Villa, Roberto Ramoni, Giulia Passignani, Francesca Brambilla, Maurizio Del Bue, Gianpaolo Squassino, Laura Catenacci, Milena Sorrenti, Lorena Segale, Elia Bari, Pierluigi Mauri, Sara Perteghella, Maria Luisa Torre, Stefano Grolli</i>	
	<i>Beneficial effect of Acepromazine on incidences of adverse effects associated with Morphine premedication in dogs - Jane Vlahov, Plamen Trojacanec, Filip Trojacanec, Todor Novakov, Ksenija Ilievska</i>	
	<i>Pre-emptive multimodal analgesia with Morphine-Medetomidine-Ketamine and Acepromazine- Morphine-Ketamine for ovariohysterectomy in dogs - Todor Novakov, Elena Atanaskova Petrov , Ksenija Ilievska, Irena Celeska, Jane Vlahov, Filip Trojacanec, Plamen Trojacanec</i>	
	<i>Trilostan titration dose treatment in dogs with terminal stage of hyperadrenocorticism complicated with comorbidity disease - Irena Celeska, Martin Nikolovski, Todor Novakov, Elena Atanaskova Petrov</i>	
<b>18:30 – 20:30</b>	<b>Guided Ohrid City Tour</b>	
<b>20:30 – 22:30</b>	<b>Dinner at National Macedonian Restaurant</b>	
<b>Saturday (24.09.2022)</b>		
<b>09:00 – 09:30</b>	<b>Plenary lecture V: <i>Reproductive management in goat breeding</i> Prof. dr. sc. Juraj Grizelj, Faculty of veterinary medicine, University of Zagreb, Croatia (Lecture room 1, parallel session)</b>	<b>Clinical Workshop 1:</b> (Lecture room 3, parallel session)  <b><i>Orthopedic examination in dogs and cats</i></b> <b>Prof. dr. sc. Mario Kreszinger</b> Faculty of veterinary medicine, University of Zagreb, Croatia
<b>09:30 – 10:30</b>	<b>Session VI: Animal Reproduction</b> <i>Chairs: Juraj Grizelj and Toni Dovenski</i> (Lecture room 1, parallel session)	
	<i>The effect of homologous seminal plasma and reduced glutathione on thawed ram sperm viability and motility - Martin Nikolovski, Monika Dovenska, Dimitar Bozhinovski, Ljupcho Mickov, Branko Atanasov, Nikola Adamov, Vladimir Petkov, Toni Dovenski</i>	
	<i>Kinetic parameters of chiled boar spermatozoa from different porcine breeds - Ljupco Mickov, Branko</i>	

	Atanasov, Martin Nikolovski, Monika Dovenska, Igor Esmerov, Nikola Adamov, Vladimir Petkov, Toni Dovenski	
	<i>Assessment of in vitro maturation rate of porcine oocytes selected by brilliant cresyl blue staining - Monika Dovenska</i> , Ljupcho Mickov, Branko Atanasov, Vladimir Petkov, Martin Nikolovski, Toni Dovenski, Florina Popovska-Perchinikj	
	<i>Introduction of the Ovsynch-8 protocol in small dairy farms in RNM to increase the reproductive efficiency from the first AI postpartum - Kristina Dojchinovska</i> , Toni Dovenski, Ljupcho Mickov, M. Toshevska, Z. Mihaloski, I. Taleski, Lj. Andreevski, Branko Atanasov	
<b>10:30 – 11:00</b>	<b>Coffee break &amp; Poster exhibition (Part 3)</b>	
<b>11:00 – 11:30</b>	<b>Plenary lecture VI:</b> <i>Update on activities of the European Reference Laboratory for Listeria monocytogenes: focus on typing area</i> <b>Sandrine Te, French Agency for Food, Environmental and Occupational Health &amp; Safety (ANSES)</b> (Lecture room 1, parallel session)	
<b>11:30 – 13:15</b>	<b>Session VII: Food Safety</b> <i>Chairs: Sandrine Te and Katerina Blagoevska</i> (Lecture room 1, parallel session)	<b>Session VIII: Infectious Diseases in Animals</b> <i>Chair: Lejla Velić and Kiril Krstevski</i> (Lecture room 2, parallel session)
	<i>Prevalence of serotypes 1/2a and 4b of Listeria monocytogenes from ready-to-eat food products in Kosovo - Besart Jashari</i> , Katerina Blagoevska, Dafina Mehmetukaj, Dean Jankuloski	<i>Discovery and introduction pattern of panzootic Newcastle disease virus in chickens in Macedonia, 2020 - Aleksandar Dodovski</i> , Renfu Yin
<b>Clinical Workshop 2:</b> (Lecture room 3, parallel session)  <i>Emergency states in veterinary ophthalmology</i> <b>Prof. dr. sc. Boric Pirkić</b> Faculty of veterinary medicine, University of Zagreb, Croatia		

	<p><i>Enterotoxigenic staphylococcus strains isolated from raw milk and diary products from R.N. Macedonia - Marija Ratkova Manovska, Mirko Prodanov, Dean Jankuloski, Pavle Sekulovski, Katerina Blagoevska</i></p>	<p><i>Ovine paratuberculosis: intra-herd incidence study and assessment of the performance of an indirect milk ELISA (ID.VET, FRANCE) in dairy sheep. - Anna-Rita Attili, Eleonora Bonacucina, Martina Linardi, Luciana Pacifici, Vincenzo Cuteri</i></p>	
	<p><i>Antibacterial activity of goat whey with added kefir grains - Sandra Mojsova, Vesna Levkov, Ljupco Angelovski</i></p>	<p><i>Zoonotic potential of equine-associated viruses - Mihajlo Erdeljan, Tijana Kukurić, Ivan Stančić, Ivana Davidov, Miodrag Radinović, Annamaria Galfi Vukomanović, Nadežda Tešin</i></p>	
	<p><i>Bacterial contamination in different stages of poultry slaughtering process - Mirko Prodanov, Marija Ratkova Manovska, Sandra Mojsova, Ljupco Angelovski, Dean Jankuloski</i></p>	<p><i>Re-emergence of rabies in Bosnia Herzegovina after the offset of oral rabies vaccination - Eterović Toni, Lejla Velić, Oliver Stevanović, Amer Alić</i></p>	
	<p><i>Occurrence of aflatoxins, ochratoxin a and zearalenone in poultry feed - Ida Kucinoska, Biljana Stojanovska-Dimzoska, Aleksandra Angeleska, Katerina Blagoevska, Gordana Ilievska, Dushica Koceva,</i></p>	<p><i>Detection and genetic characterisation of porcine circovirus type 2 in Macedonian wild boar and domestic pig population - Zagorka Popova Hristovska, Kiril Krstevski, Ivan Matevski, Stefanija Markozanova, Dine Mitrov, Igor Djadjovski</i></p>	

	Elizabeta Dimitrieska-Stojkovic		
	<i>Presence of heavy metals in animal feeds of plant origin - Dushica Koceva, Elizabeta Dimitrieska-Stojkovic, Biljana Stojanovska-Dimzoska, Aleksandra Angeleska</i>	<i>Presence and prevalence of non-regulated infectious diseases with high economic impact on Macedonian dairy farms - Ivan Matevski, Igor Djadjovski, Kiril Krstevski</i>	
	<i>Proposed chemical substances as quality parameters of chocolate - Stefan Jovanov, Risto Uzunov, Tome Nestorovski, Zehra H. Musliu, Velimir Stojkovski</i>		
<b>13:15 – 14:00</b>	<b>Lunch</b>		
<b>14:00 – 14:30</b>	<b>Plenary lecture VII:</b> <i>Virtual slaughterhouse simulators as a complement, not a substitute of abattoir visits, in veterinary public health education</i> <b>Prof. dr. Andrej Kirbiš, Faculty of Veterinary Medicine, University of Ljubljana Ljubljana, Slovenia</b> (Lecture room 1, parallel session)		<p style="text-align: center;"><b>Clinical Workshop 3:</b>  (Lecture room 3, parallel session)</p> <p style="text-align: center;"><b>Dr Russell Chandler BVSc CertSAO MSc(OrthoEng)</b>  <b>MRCVS, Small Animal Orthopaedics Alphavet Referrals Newport, Wales, UK</b></p>
<b>14:30 – 16:15</b>	<b>Session IX:</b> <b>Methods and Models</b> <i>Chairs: Andrej Kirbiš and Dean Jankuloski</i> (Lecture room 1, parallel session)	<b>Session X:</b> <b>Parasitic Diseases in Animals</b> <i>Chairs: Aleksandar Cvetkovikj and Jasmin Omeragić</i> (Lecture room 2, parallel session)	
	<i>Evaluation of the performance of a real time PCR method for detection of Salmonella spp. invA gene in chicken</i>	<i>Clinicopathological alterations in pet dogs naturally infected with Ehrlichia canis and Leishmania infantum in</i>	

	<p><i>meat</i> - Gordana Ilievska, Marija Ratkova Manovska, Dean Jankuloski, <b>Katerina Blagoevska</b></p>	<p><i>Macedonia – case study - Elena Atanaskova Petrov, Ksenija Ilievska, Todor Novakov, Ljubica Rashik, Igor Djadjovski, Miroslav Kjosevski, Irena Celeska</i></p>	
	<p><i>Identification of meat species based on DNA hybridization, real-time PCR and fatty acid profile with GC-FID - Dafina Mehmetukaj, Vlora Zogëjani, Armend Cana, Xhavit Bytyçi, Besart Jashari, Zehra Hajrullai Musliu, Katerina Bllagoevska, Dean Jankuloski</i></p>	<p><i>Investigation of gastrointestinal helminth infections of horses in Thrace region, Türkiye - Fatma Nur Dal, Şakir Pehlivan, Kerem Öter, İbrahim Kurban, Aynur Gülanber</i></p>	
	<p><i>Diagnostic performance of eight PCR protocols and one indirect ELISA in naturally small ruminant lentiviruses infected ewes in Greece - Aphrodite I. Kalogianni, Ioannis Bossis, Ilias G. Bouzalas, Athanasios I. Gelasakis</i></p>	<p><i>Prevalence and genetic characterization of Echinococcus granulosus in domestic ruminants in North Macedonia - Ljubica Rashikj, Aleksandar Cvetkovikj, Ivana Arsovska, Iskra Cvetkovikj, Jovana Stefanovska</i></p>	
	<p><i>Suitability of using the ISO 13730:1996 method for total phosphorous quantification in milk and milk products - Tome Nestorovski, Stefan Jovanov, Riste Uzunov, Ana Angelovska,</i></p>	<p><i>Investigation of parasitic diseases in wild animals in the federation of Bosnia and Herzegovina - Jasmin Omeragić, Naida Kapo, Darinka Klarić Soldo, Vedad Škapur, Saša Kunovac, Ermin Šaljić, Šejla Goletić, Adis</i></p>	



	Radmila Crceva Nikolovska	Softić, Sabina Šerić-Haračić, Teufik Goletić	
	<i>Verification of a sampling method for animal feed from different origins used for chemical analysis - Ana Angelovska, Radmila Crceva Nikolovska, Aleksandra Angeleska, Tome Nestorovski, Dean Jankuloski, Mirko Prodanov, Zehra Hajrulai Musliu</i>	<i>Gastrointestinal helminths of goats breeding at mountain area of central Serbia - Pavlović Ivan, Radanović Oliver, Zdravković Nemanja, Savić Božidar, Tasić Aleksandra, Pavlović Marija</i>	
	<i>Contribution of animal model in the development of radiopharmaceuticals and successful translational molecular imaging and therapy - Emilija Janevik-Ivanovska, Icko Gjorgoski, Lajos Balogh</i>	<i>Identification of lice species of water buffaloes in marmara region of Türkiye - Şakir Pehlivan, Fatma Nur Dal, Kerem Öter, Aynur Gülanber</i>	
	<i>Evaluation of antioxidative enzymes in rats treated with Origanum vulgare essential oil during acute intoxication with Deoxinivalenol and Fumonisin B1 - Gordana Ilievska, Katerina Blagoevska, Biljana Stojanovska-Dimzoska, Elena</i>	<i>Pathogenicity of Triaenophorus nodulosus (cestoda: bothriocephalidea) in Northern pike (Esox lucius) from the Mrežnica river, Croatia - Valerija Benko, Krešimir Matanović, Snježana Kužir, Zrinka Dragun, Emil Gjurčević</i>	

	Rafailovska, Biljana Miova		
<b>16:15 – 16:30</b>	<b>Coffee break &amp; Poster exhibition (Part 4)</b>		
<b>16:30 – 18:00</b>	<b>Laboratory Workshop:</b> <i>Molecular typing method validation EURL-NRL and Method implementation within NRL network</i> <b>Sandrine Te, French Agency for Food, Environmental and Occupational Health &amp; Safety (ANSES)</b> (Lecture room 1)		
<b>20:00 – 23:00</b>	<b>Gala Dinner</b>		
<b>Sunday</b>			
<b>(25.09.2022)</b>			
<b>Departure of participants</b>			