

4<sup>th</sup> International Conference  
„Antimicrobial resistance – current state and perspectives“

19<sup>th</sup> – 21<sup>st</sup> of June, 2025.  
Hotel Sheraton, Novi Sad

19 <sup>th</sup> of June, 2025.	
Arrival of participants	
20 <sup>th</sup> of June, 2025.	
08:00-09:00	Registration of the participants
09:00-11:00	Session 1. Antimicrobial resistance - current status and solutions
<p><b>From AMR One Health mapping towards harmonized surveillance systems</b>  <i>Aivars Berzins</i>, full professor  Faculty of Veterinary Medicine, Latvia University of Life Sciences and Technologies; Institute of Food Safety, Animal Health and Environment „BIOR”  <i>Latvia</i></p>	
<p><b>Responsible use of antimicrobials in animals through One Health perspective</b>  <i>Zorana Kovačević</i>, associate professor  Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad  <i>Serbia</i></p>	
<p><b>Dietary approaches to reduce the prevalence of AMR coliforms in starter chicken</b>  <i>Caroline Rymer</i>, associate professor  Department of Animal Sciences, University of Reading  <i>United Kingdom</i></p>	

<p><i>Presentation of general sponsor - Topigs Norsvin</i>  <b>Biosecurity: lessons to learn</b>  Čaba Gala, DVM</p>		
<p><i>Presentation of gold sponsor – Biochem</i>  <b>Probiotics in livestock nutrition as an alternative to antibiotics</b>  <i>Dimitrios Verros</i>, regional technical manager</p>		
<p><i>Presentation of silver sponsor – Vidara CLI RS d.o.o.</i>  <b>Practical nutrition for sows and gilts</b>  <i>Edvard Šerko</i>, food technologist and nutritionist</p>		
11:00-11:30	Coffee break	
11:30-14:00	<b>Session 2. Antimicrobial resistance from the One health perspective</b>	<b>Session 3. Mycotoxins, animal feed and food safety</b>
<p><b>AWaRe classification: a global framework for antimicrobial stewardship and resistance management</b>  <i>Milica Bajcetic</i> full professor  Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade  <i>Serbia</i></p>		<p><b>Feed quality and safety: challenges and perspectives</b>  <i>Olivera Đuragić</i>, principal research fellow  Institute of Food Technology in Novi Sad, University of Novi Sad  <i>Serbia</i></p>
<p><b>AMR - a global problem: is Serbia also part of this story?</b>  <i>Deana Medić</i>, associate professor  Faculty of Medicine, University of Novi Sad;  Institute of Public Health Vojvodina  <i>Serbia</i></p>		<p><b>Mycotoxins in maize: impacts on food and feed safety across its production chain</b>  <i>Jovana Kos</i>, senior research associate  Institute of Food Technology in Novi Sad, University of Novi Sad  <i>Serbia</i></p>
<p><b>Combating AMR in North Macedonia: the role of veterinary vaccines</b>  <i>Romel Velez</i>, full professor  Faculty of Veterinary Medicine – Skopje, Ss. Cyril and Methodius University in Skopje  <i>Republic of North Macedonia</i></p>		<p><b>Mycotoxins in animal feed in Serbia: status, challenges, and future perspectives</b>  <i>Sasa Krstović</i>, assistant professor  Faculty of Agriculture, University of Novi Sad  <i>Serbia</i></p>

<p><b>Antimicrobial consumption in Montenegro from 2009 to 2024</b>  <i>Snežana Mugoša</i>, assistant professor  Faculty of Medicine, University of Montenegro,  Institute for medicine and medical devices of Montenegro  <i>Montenegro</i></p>	<p><b>When the cure becomes the contaminant: residues of veterinary medicinal products in honey</b>  <i>Ljilja Torović</i>, full professor  Department of Pharmacy, Faculty of Medicine, University of Novi Sad  <i>Serbia</i></p>
<p><b>Findings of continuous monitoring of consumption antimicrobial drugs in Bosnia and Herzegovina</b>  <b>Tijana Spasojević-Došen</b>  Agency for Medicinal Products and Medical Devices of Bosnia and Herzegovina,  Banja Luka  <i>Bosnia and Herzegovina</i></p>	<p><b>Foodborne bacterial biofilms as self-protective mechanisms of antimicrobial resistance</b>  <i>Suzana Vidaković Knežević</i>, senior research associate  Scientific Veterinary Institute “Novi Sad”  <i>Serbia</i></p>
<p><b>Optimizing antibiotic use through individualized treatment strategies</b>  <i>Janko Samardžić</i>, associate professor  Faculty of Medicine, University of Belgrade  <i>Serbia</i></p>	<p><b>Disinfectant activity on biofilm formation and against mature biofilm of <i>Salmonella</i> spp. isolated from animal-originated food</b>  <i>Aleksandra Šmitran</i>, associate professor  Faculty of Medicine, University of Banja Luka  <i>Bosnia and Herzegovina</i></p>
<p><b>Nanoantibiotics as a strategy in the fight against antimicrobial resistance</b>  <i>Mladena Lalić Popović</i>, full professor  Faculty of Medicine, University of Novi Sad  <i>Serbia</i></p>	<p><b><i>Salmonella</i> in animal feed: the role of biofilm in bacterial survival and spread</b>  <i>Bojana Prunić</i>, research associate  Scientific Veterinary Institute “Novi Sad”  <i>Serbia</i></p>
<p><b>Zoonotic zones: tracking antibiotic resistance behind zoo bars</b>  <i>Vuk Vračar</i>, associate professor  Department of Veterinary Medicine, Faculty of Agriculture,  University of Novi Sad  <i>Serbia</i></p>	<p><b>Antimicrobial sensitivity of <i>Staphylococcus aureus</i> strains isolated from bovine mastitis – then and now</b>  <i>Marija Pajic</i>, full professor  Department of Veterinary Medicine, Faculty of Agriculture,  University of Novi Sad  <i>Serbia</i></p>

<b>Wild rodents as reservoirs of antimicrobial resistance: challenges and implications for the One Health concept</b> <i>Mislav Kovačić</i> , assistant professor Department of Biology, Josip Juraj Strossmayer University of Osijek <i>Croatia</i>		<b>Implications for milk safety: withdrawal period of an essential oil-based formulation for the mastitis treatment in dairy cows</b> <i>Dragana Tomanić</i> , research assistant Institute of Food Technology in Novi Sad, University of Novi Sad <i>Serbia</i>	
14:00-15:00	Lunch		
15:00-18:00	<b>Workshop 1.</b> <b>First days, lasting impact – antibiotic – free broiler farming</b> <i>Marko Pajić</i> , senior research associate Scientific Veterinary, Institute “Novi Sad” <i>Serbia</i> <i>Zoran Ružić</i> , assistant professor Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i> <i>Supported by</i> <i>Robins d.o.o. and First Vet d.o.o.</i>	<b>Workshop 2.</b> <b>New strategies for the use of antibiotics in dogs reproduction</b> <i>Ivan Galić</i> , assistant professor Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i> <i>Ivan Butković</i> , assistant Faculty of Veterinary Medicine, University of Zagreb <i>Croatia</i>	
15:00-18:00	<b>Workshop 3.</b> <b>From theory to practice: AWare classification as a tool for antibiotic selection in human medicine</b> <i>Milica Bajcetic</i> full professor Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade <i>Serbia</i> <i>Janko Samardžić</i> , associate professor Faculty of Medicine, University of Belgrade <i>Serbia</i> <i>Supported by</i> <i>Sandoz</i>		
20:00	Gala dinner		

21<sup>st</sup> of June, 2025.

08:00-09:00

Registration of the participants

09:00-10:00

Poster session and short communications

10:00-12:30

Session 4. AMR in the farm animals

Session 5. AMR in the human medicine

**Antimicrobial use monitoring guidelines in aquaculture: tool for establishing baseline datasets to support national programs for emerging antimicrobial resistance prevention and control**

*Dušan Palić*, full professor

Faculty of Veterinary Medicine, Ludwig-Maximilians-University Munich,  
Germany

**Interpretation of antimicrobial susceptibility testing when clinical breakpoints are not available**

*Dragana Božić*, associate professor

Faculty of Pharmacy, University of Belgrade  
Serbia

**Application of veterinary biosecurity measures in livestock production: a foundation for animal welfare protection, and a contribution to antimicrobial resistance prevention**

*Gordana Gregurić Gračner*, associate professor

Faculty of Veterinary Medicine, University of Zagreb  
Croatia

**Pharmacovigilance and the future of antibacterial safety**

*Emma Ozon*, full professor

Department of Pharmaceutical Technology and Biopharmacy, Faculty of  
Pharmacy, "Carol Davila" University of Medicine and Pharmacy,  
Bucharest,  
Romania

**Use of the poultry probiotic *Bacillus subtilis* PS-216 to fight foodborne pathogens and antimicrobial resistance**

*Katarina Šimunović*, assistant

Department of Microbiology, Biotechnical Faculty, University of Ljubljana  
Slovenia

**Antibiotic resistance and planetary health: a global challenge for safe use of antibiotics**

*Olga Sič*, full professor

Department of Pharmacology Toxicology and Clinical Pharmacology,  
Faculty of Medicine, University of Novi Sad  
Serbia

<p><b>A decision-making approach to evidence-based treatment of neonatal calf diarrhea syndrome</b>  <b><i>Panagiotis Katsoulos</i></b>, associate professor  School of Veterinary Medicine, Aristotle University of Thessaloniki  <i>Greece</i></p>	<p><b>Probiotic use and antibiotic resistance: market overview and preliminary screening</b>  <b><i>Milka Popović</i></b>, associate professor  Department of Hygiene, Faculty of Medicine, University of Novi Sad;  Institute of Public Health of Vojvodina  <i>Serbia</i></p>
<p><b>Mastitis in dairy cows, risk factors and control measures</b>  <b><i>Miodrag Radinović</i></b>, full professor  Department of Veterinary Medicine, Faculty of Agriculture,  University of Novi Sad  <i>Serbia</i></p>	<p><b>Antibacterial utilization in numbers</b>  <b><i>Ria Benko</i></b>, associate professor  Faculty of Pharmacy, University of Szeged  <i>Hungary</i></p>
<p><b>Evaluating drinking water quality, biofilms and antimicrobial resistance genes in biofilms after a one-time cleaning and disinfection of a drinking water system in wean-to-finish swine barns</b>  <b><i>Gabrielle Doughan</i></b>, post-doctoral research associate  College of Veterinary Medicine, Iowa State University  <i>United States of America</i></p>	<p><b>Narrow treatment strategies for pediatric systemic gram-negative infections: insights from a case series</b>  <b><i>Isabella Fabri</i></b>, associate professor  Department of Hygiene, Faculty of Medicine, University of Novi Sad  <i>Serbia</i></p>
<p><i>Presentation of bronze sponsor – Veterinarski zavod Subotica</i>  <b>The use of autogenous vaccines as a measure to reduce antibiotic use</b>  <b><i>Ljiljana Paušak</i></b>, DVM  <b><i>Marina Ljubanović</i></b>, technical associate</p>	<p><b>Essential oils as a supplementary therapy with standard antibiotic treatments</b>  <b><i>Milica Aćimović</i></b>, senior research associate  Institute of Field and Vegetable Crops, National Institute of the Republic of  <i>Serbia</i></p>
<p><i>Presentation of sponsor – Ecolab Hygiene d.o.o.</i>  <b>Practical aspect of biosecurity</b>  <b><i>Srdan Stanković</i></b>, DVM</p>	
<p>12:30-13:00</p>	<p>Coffee break</p>

13:00-14:30	Session 6. AMR in the companion animals	Session 7. AMR in the plant protection and environment
	<p><b>Antimicrobial resistance – multi-resistant infections in companion animal practice</b>  <i>Ákos Jerzsele</i>, associate professor  Department of Pharmacology and Toxicology,  University of Veterinary Medicine Budapest  Hungary</p>	<p><b>Wildlife, ecosystems, and disease transmission: implications for One Health and antimicrobial stewardship</b>  <i>Samantha M. Wisely</i>, full professor  Department of Wildlife Ecology and Conservation, University of Florida  United States of America</p>
	<p><b>Antimicrobial resistance patterns in staphylococci from canine clinical samples in North Macedonia</b>  <i>Iskra Cvetkovikj</i>, full professor  Faculty of Veterinary Medicine – Skopje,  Ss. Cyril and Methodius University in Skopje  Republic of North Macedonia</p>	<p><b>Innovations in probiotic formulation: technological perspectives for reducing AMR risks</b>  <i>Jovana Grahovac</i>, full professor  Faculty of Technology, University of Novi Sad  Serbia</p>
	<p><b>Surgical site infections and antibiotics usage</b>  <i>Jovan Spasojević</i>, associate professor  Department of Veterinary Medicine, Faculty of Agriculture,  University of Novi Sad  Serbia</p>	<p><b>The preliminary results of a survey about biosecurity measures on selected rainbow trout farms in Bosnia and Herzegovina</b>  <i>Miroslav Urošević</i>, associate professor  Faculty of Agriculture, University of Novi Sad  Serbia</p>
	<p><b>Microbiome, neonates and resistance: challenges in veterinary neonatology</b>  <i>Ivan Butković</i>, DVM  Faculty of Veterinary Medicine, University of Zagreb  Croatia</p>	<p><b>Antifungal resistance in plant protection and restoration of wild type sensitivity</b>  <i>Dragana Budakov</i>, associate professor  Faculty of Agriculture, University of Novi Sad  Serbia</p>
	<p><b>Selected essential oils effect against <i>Streptococcus canis</i> isolated from bitches vaginal swabs</b>  <i>Jelena Apić</i>, senior research associate  Scientific Veterinary Institute “Novi Sad”  Serbia</p>	<p><b>Fludioxonil resistance profiling of <i>Penicillium expansum</i> from stored apple fruits in Serbia</b>  <i>Tatjana Dudaš</i>, assistant  Faculty of Agriculture, University of Novi Sad  Serbia</p>

<p><b>Conjunctivitis: What are we treating and what are we causing?</b> <i>Valentina Plichta</i>, assistant Faculty of Veterinary Medicine, University of Zagreb <i>Croatia</i></p>		<p><b>Circular economy approaches to mitigating antimicrobial resistance in agriculture</b> <i>Dragana Novaković</i>, associate professor Faculty of Agriculture, University of Novi Sad <i>Serbia</i></p>	
<b>14:30-15:30</b>	Lunch		
<b>15:30-18:30</b>	<p><b>Workshop 4.</b> <b>Strategic approach to the implementation of preventive measures in intensive swine production</b> <i>Božidar Savić</i>, full professor Faculty of Agriculture, University of Novi Sad; research associate, Scientific Institute of Veterinary Medicine of Serbia <i>Serbia</i> <i>Siniša Milić</i>, specialist in veterinary medicine Veterinary Institute “Sombor” <i>Serbia</i> <i>Zdravko Tomić</i>, technical manager Boehringer Ingelheim <i>Serbia</i></p> <p><i>Supported by</i> <i>Boehringer Ingelheim and Natura Premium d.o.o.</i></p>	<p><b>Workshop 5.</b> <b>The importance of interpreting antibiograms in small animal practice</b> <i>Dragana Božić</i>, associate professor Faculty of Pharmacy, University of Belgrade <i>Serbia</i> <i>Dalibor Todorović</i>, research associate Scientific Veterinary Institute “Novi Sad” <i>Serbia</i></p> <p><i>Supported by</i> <i>Promedia d.o.o.</i></p>	