



Faculty of Agriculture
University of Novi Sad



Third International Conference
„Antimicrobial resistance – current state and perspectives“

16th -18th of May, 2024.

Faculty of Agriculture, University of Novi Sad

17th of May, 2024.

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| 08:00-09:00 | Registration of the participants |
| 09:00-11:00 | <p>Session 1. Current state of antimicrobial resistance Moderators: <i>Milica Bajčetić</i>, full professor Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade, Serbia <i>Ahmed Smajlović</i>, full professor Veterinary Faculty, University of Sarajevo, Bosnia and Herzegovina</p> <p>Can alternatives to antibiotics replace the use of antibiotics in livestock production? <i>Luca Guardabassi</i>, full professor Department of Veterinary and Animal Sciences, Faculty of Health and Medical Sciences University of Copenhagen <i>Denmark</i></p> <p>Antimicrobial resistance surveillance in Serbia – Data from human national reference laboratory <i>Deana Medić</i>, associate professor Faculty of Medicine, University of Novi Sad, Institute of Public Health Vojvodina <i>Serbia</i></p> <p>Antimicrobial resistance surveillance in Serbia – Data from veterinary national reference laboratory <i>Dalibor Todorović</i>, research associate Scientific Veterinary Institute 'Novi Sad' <i>Serbia</i></p> |

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| <p>Recent trends in antimicrobial resistance of bacteria from livestock and meat in the Netherlands – from a One Health perspective <i>Kees Veldman</i>, senior scientist National Reference Laboratory on antimicrobial resistance in animals, Wageningen Bioveterinary Research Netherlands</p> | | |
| <p><i>Presentation of gold sponsor - Hemofarm</i> Spectrum of therapeutic possibilities in the treatment of diarrhea of different etiologies <i>Maria Pete</i>, assistant professor Faculty of Medicine, University of Novi Sad Serbia</p> | | |
| <p><i>Presentation of silver sponsor - Zoetis</i> Zoetis: Innovative approach to veterinarian market Dino Haračić</p> | | |
| 11:00-11:30 | Coffee break | |
| 11:30-14:00 | <p>Session 2. Antimicrobial resistance from the One health perspective Moderators: <i>Janko Samardžić</i>, associate professor Faculty of Medicine, University of Belgrade, Serbia <i>Deana Medić</i>, associate professor Faculty of Medicine, University of Novi Sad, Serbia</p> | <p>Session 3. Mycotoxins, animal feed and food safety Moderators: <i>Nebojša Kladar</i>, assistant professor Faculty of Medicine, University of Novi Sad, Serbia <i>Dragana Budakov</i>, associate professor Faculty of Agriculture, University of Novi Sad, Serbia</p> |
| <p>One health approach in AMR and antibiotic consumption control in Serbia – five years of the national multi-sectoral coordinating group activities <i>Milica Bajčetić</i>, full professor Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade Serbia</p> | | <p>Influence of cross-contamination of animal feed with antimicrobials on intestinal microbiome <i>Małgorzata Olejnik</i>, associate professor Faculty of Biological and Veterinary Sciences, Nicolaus Copernicus University in Torun Poland</p> |
| <p>The economic cost of antimicrobial resistance: FAO Perspective <i>Diletta Topazio</i>, economist Food and Agricultural Organization of the United Nations; teaching assistant, LUISS Guido Carli University, Rome Italy</p> | | <p>Association of AMR in E. coli from calves raised for meat production with husbandry system <i>Tenhagen Bernd-Alois</i>, senior researcher Federal Institute for Risk Assessment, Berlin Germany</p> |

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| <p>Different aspects of Hungarian antibiotic use <i>Ria Benkó</i>, associate professor Faculty of Pharmacy, University of Szeged <i>Hungary</i></p> | <p>Evaluation of antimicrobial resistance of <i>Pseudomonas</i> spp. isolates from food <i>Radoslava Savić Radovanović</i>, associate professor Department of Food Hygiene and Technology, Faculty of Veterinary Medicine, University of Belgrade <i>Serbia</i></p> |
| <p>Antimicrobial consumption in Montenegro from 2009 to 2022 <i>Snežana Mugoša</i>, assistant professor Faculty of Medicine, University of Montenegro, Institute for medicine and medical devices of Montenegro Montenegro</p> | <p>Monitoring of antimicrobial drug residues in milk for further processing <i>Marija Pajić</i>, associate professor Department of Veterinary medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i></p> |
| <p>From ‘two medicines’ to ‘One health’ and beyond <i>Olga Horvat</i>, full professor Faculty of Medicine, University of Novi Sad <i>Serbia</i></p> | <p>Mycotoxins escalation challenges in the light of climate change <i>Jovana Kos</i>, senior research associate Institute of Food Technology in Novi Sad, University of Novi Sad <i>Serbia</i></p> |
| <p>The One Health approach in the fight against antimicrobial resistance <i>Lejla Velić</i>, associate professor Department of Microbiology and Infectious diseases, Veterinary Faculty, University of Sarajevo <i>Bosnia and Herzegovina</i></p> | <p>Antimicrobial resistance in food and food producing animals in the Republic of Macedonia <i>Marija Ratkova Manovska</i>, research associate Faculty of Veterinary Medicine – Skopje, Ss. Cyril and Methodius University in Skopje <i>Republic of North Macedonia</i></p> |
| <p>Colistin: Old antibiotic - new problem <i>Vuk Vračar</i>, associate professor Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i></p> | <p>Food safety issues related to antibiotic residues in the aquaculture <i>Dragana Ljubojević Pelić</i>, senior research associate Scientific Veterinary Institute ‘Novi Sad’ <i>Serbia</i></p> |

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| <p>Activities of the local and regional One Health organizations <i>Sara Savić</i>, principal research fellow Scientific Veterinary Institute 'Novi Sad' <i>Serbia</i></p> | <p>Alternative strategies in animal feed production to combat antimicrobial resistance <i>Nedeljka Spasevski</i>, research associate Institute of Food Technology in Novi Sad, University of Novi Sad <i>Serbia</i></p> |
| <p>14:00-15:00</p> | <p>Lunch and Awarding of certificates</p> |
| <p>15:00-19:00</p> | <p>Workshop 1. Strategies to reduce antimicrobial use in the poultry production - examples from Italy and Serbia <i>Alessandra Piccirillo</i>, associate professor Department of Comparative Biomedicine and Food Science, University of Padua <i>Italy</i> <i>Marko Pajić</i>, research associate Scientific Veterinary, Institute "Novi Sad" <i>Serbia</i></p> <p>Workshop 2. Practical approach for dogs with atopic dermatitis <i>Tina Kotnik</i>, associate professor Veterinary Faculty, University of Ljubljana <i>Slovenia</i> <i>Sandra Nikolić</i>, teaching assistant Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i></p> |
| <p>20:00</p> | <p>Gala dinner</p> |

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| 08:00-09:00 | Registration of the participants | |
| 09:00-10:00 | Poster session and short communications | |
| 10:00-12:30 | <p align="center">Session 4. AMR in the farm animals</p> <p align="center">Moderators: <i>Miodrag Radinović</i>, full professor Faculty of Agriculture, University of Novi Sad, Serbia <i>Jasna Prodanov Radulovic</i>, senior research associate Scientific Veterinary Institute 'Novi Sad', Serbia</p> | <p align="center">Session 5. AMR in the human medicine</p> <p align="center">Moderators: <i>Olga Horvat</i>, full professor Department of Pharmacology Toxicology and Clinical Pharmacology, Faculty of Medicine, University of Novi Sad, Serbia <i>Suzana Mimica</i>, associate professor Department of Pharmacology, Faculty of Medicine University of Osijek, Department of Clinical Pharmacology, University Hospital Centre Osijek, Croatia</p> |
| | <p align="center">Biosecurity in animal production to improve animal health and reduce antimicrobial use</p> <p align="center"><i>Jeroen Dewulf</i>, full professor Department of Internal medicine, Reproduction and population medicine, Faculty of Veterinary Medicine, University of Ghent <i>Belgium</i></p> | <p align="center">Antimicrobial resistance surveillance in Republic of North Macedonia with focus on carbapenem resistant Enterobacteria as an actual problem in clinical practice</p> <p align="center"><i>Ana Kaftandzieva</i>, full professor Institute of Microbiology and Parasitology, Ss. Cyril and Methodius University in Skopje <i>Republic of North Macedonia</i></p> |
| | <p align="center">Biosecurity in poultry production in Italy</p> <p align="center"><i>Alessandra Piccirillo</i>, associate professor Department of Comparative Biomedicine and Food Science, University of Padua <i>Italy</i></p> | <p align="center">Lactonase mediated quorum quenching of <i>Pseudomonas aeruginosa</i> virulence</p> <p align="center"><i>Milka Malešević</i>, research associate Institute of Molecular Genetics and Genetic Engineering, University of Belgrade <i>Serbia</i></p> |
| | <p align="center">Current status of biosecurity measures in the pig production sector in Serbia</p> <p align="center"><i>Jasna Prodanov Radulovic</i>, senior research associate Scientific Veterinary Institute 'Novi Sad' <i>Serbia</i></p> | <p align="center">The impact of antibiotic interactions on the pathogens generating resistant hospital infections</p> <p align="center"><i>Bojana Bozic Cvijan</i>, assistant professor Department of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade <i>Serbia</i></p> |

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| <p>Antimicrobial therapy: advances and challenges facing veterinary practitioners in Bulgaria <i>Aneliya Milanova</i>, full professor Department of Pharmacology, Animal Physiology, Biochemistry and Chemistry, Faculty of Veterinary Medicine, Trakia University <i>Bulgaria</i></p> | <p>The role of the clinical pharmacologist in rationalizing the use of antibiotics - experiences from the Osijek Clinical Hospital Center, Croatia <i>Suzana Mimica</i>, associate professor Department of Pharmacology, Faculty of Medicine University of Osijek, Department of Clinical Pharmacology, University Hospital Centre Osijek <i>Croatia</i></p> |
| <p>Prudent antimicrobial use on the poultry farms in Serbia <i>Marko Pajić</i>, research associate Scientific Veterinary Institute 'Novi Sad' <i>Serbia</i></p> | <p>Assessment of seasonal airborne resistome dynamics in response to air pollution exposure in the Belgrade metropolitan area <i>Katarina Novović</i>, senior research associate Institute of Molecular Genetics and Genetic Engineering, University of Belgrade <i>Serbia</i></p> |
| <p>Metabolic gene expression signatures in response to residual doses of antibiotics in broiler chickens <i>Anna Stawińska</i>, associate professor Faculty of Biological and Veterinary Sciences, Nicolaus Copernicus University in Torun <i>Poland</i></p> | <p>Current status of multidrug resistant organisms in critically ill children-a growing concern: Report from the Institute for child and youth health care in Vojvodina, Serbia <i>Isabela Fabri</i>, assistant professor, Institute for Child and Youth Health Care Vojvodina, Faculty of Medicine, University of Novi Sad <i>Serbia</i></p> |
| <p>Pharmacokinetic/pharmadynamic analysis of enrofloxacin in porcine synovial fluid in <i>Glaesserella parasuis</i> infection <i>Patrik Mag</i>, assistant lecturer Department of Pharmacology and Toxicology, University of Veterinary Medicine Budapest <i>Hungary</i></p> | <p>Pharmacoeconomics and pharmacoepidemiology of antimicrobial therapies <i>Jovan Mihajlović</i>, external researcher The University of Groningen, <i>Netherlands</i> Mihajlović Health Analytics <i>Serbia</i></p> |
| <p><i>Presentation of general sponsor - Topigs Norsvin</i> Correlation between antibiotic use and pig genetics <i>Laszlo Buza</i>, associate professor University Veterinary Medicine Budapest <i>Hungary</i></p> | |

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| <p><i>Presentation of bronze sponsor – Sigma</i></p> <p>Aqualor H disinfection products - proven effectiveness in the prevention of African swine fever</p> <p>Bojan Toholj, full professor</p> <p>Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad</p> <p>Serbia</p> | | |
| 12:30-13:00 | Coffee break | |
| 13:00-14:30 | <p>Session 6. AMR in the companion animals</p> <p>Moderators:</p> <p>Bojan Toholj, full professor</p> <p>Faculty of Agriculture, University of Novi Sad, Serbia</p> <p>Natalija Milčić Matić, teaching assistant</p> <p>Faculty of Veterinary Medicine, University of Belgrade, Serbia</p> | <p>Session 7. AMR in the plant protection and environment</p> <p>Moderators:</p> <p>Mila Grahovac, associate professor</p> <p>Faculty of Agriculture, University of Novi Sad, Serbia</p> <p>Milan Ivanović, full professor</p> <p>Faculty of Agriculture, University of Belgrade, Serbia</p> |
| <p>Do we need new drugs in therapy of Otitis externa, or do the old ones still work?</p> <p>Natalija Milčić Matić, teaching assistant</p> <p>Isidora Prošić, teaching assistant</p> <p>Faculty of Veterinary Medicine, University of Belgrade</p> <p>Serbia</p> | | <p>Antifungal-resistance from both human health and plant protection perspectives</p> <p>Li-Jun Ma, associate professor</p> <p>College of Natural Sciences, University of Massachusetts</p> <p>United States of America</p> |
| <p>Phage therapy of skin dysbiosis in dogs</p> <p>Tina Kotnik, associate professor</p> <p>Veterinary Faculty, University of Ljubljana</p> <p>Slovenia</p> | | <p>Environmental impact of antibiotic use in plant protection</p> <p>Milan Ivanović, full professor</p> <p>Faculty of Agriculture, University of Belgrade</p> <p>Serbia</p> |
| <p>Effect of antimicrobials and probiotics on gut microbiota in companion animals</p> <p>Nataša Golić, full research professor</p> <p>Institute of Molecular Genetics and Genetic Engineering,</p> <p>University of Belgrade</p> <p>Serbia</p> | | <p>Formation of soil resistome</p> <p>Simonida S. Đurić, full professor</p> <p>Faculty of Agriculture, University of Novi Sad</p> <p>Serbia</p> |
| <p>Biosecurity issue in the common carp production</p> <p>Miloš Pelić, research associate</p> <p>Scientific Veterinary Institute 'Novi Sad'</p> <p>Serbia</p> | | |

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| <p>Antibiotic sensitivity of bacterial isolates from canine ejaculates <i>Jelena Apić</i>, senior research associate Scientific Veterinary Institute 'Novi Sad' <i>Serbia</i></p> | <p>Wastewater from slaughterhouses: A risk for antimicrobial resistance dissemination throughout the One Health concept <i>Katerina Dodovska Blagoevska</i>, senior research associate Faculty of Veterinary Medicine – Skopje, Ss. Cyril and Methodius University in Skopje <i>Republic of North Macedonia</i></p> | |
| <p>Human approved antimicrobials in the small animal practice: when and why? <i>Zorana Kovačević</i>, associate professor Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i></p> | <p>Toward sustainable control of gray mold on strawberries: Exploring alternatives to synthetic fungicides considering resistance evolution <i>Marta Loc</i>, teaching assistant Faculty of Agriculture, University of Novi Sad <i>Serbia</i></p> | |
| <p>14:30-15:30</p> | <p>Lunch</p> | |
| <p>15:30-19:30</p> | <p>Workshop 3. Comprehensive approach in the preventive measures to minimize antibiotic use in pig production <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>Workshop 4. Antibiotic use in pregnant bitches - yes or no? <i>Ivan Stančić</i>, full professor Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i> <i>Ivan Galić</i>, assistant professor Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad <i>Serbia</i> <i>Jelena Apić</i>, senior research associate Scientific Veterinary Institute 'Novi Sad' <i>Serbia</i></p> |