



# INTERNATIONAL CONFERENCE **ONE HEALTH**

Aula of the Romanian Academy  
and on zoom

November, 21 – 22, 2024  
Bucharest

# PROGRAM

NOVEMBER, 21, 2024

## Opening ceremony: 9:00- 9:30

1. **Ioan Aurel Pop**- President of the Romanian Academy
2. **Andrei Alexandru**- State Secretary, Ministry of Research, Innovation and Digitalization
3. **Sorin Campeanu**- Rector of the University of Agronomic Sciences and Veterinary Medicine Bucharest, President of the National Council of Rectors
4. **Doru Pamfil**- President of the Agriculture and Forestry Section of the Romanian Academy
5. **Stefan Constantinescu**- President of SAPEA

## First session: 9:30- 11:00

**Moderators: Victor Voicu, Irinel Popescu**

1. **One Health: concepts and approaches: Victor Voicu**, President of the Medical Sciences Section of the Romanian Academy
2. **EU operationalization policy advice- Jakob Zinsstag**, Swiss Tropical and Public Health Institute, Switzerland
3. **Implementation of One Health to global health in Europe, concrete fields of action- André Jestin**, Vice-President of the Federation of the European Academies of Medicine, France
4. **Wellbeing for all on a Finite Planet: The Earth4All Approach to One Health- Till Kellerhoff**, Program Director of the Club of Rome, Program Lead Earth4All, UK

Coffee break: 11:00-11:30

## Second session 11:30- 13:00

**Moderators George Griffin, Ion Negrutiu**

1. **Vaccination in a time of One Health- George Griffin**, St George's University of London, General Secretary of the Federation of the European Academies of Medicine, UK
2. **Academic and socio-political transversality of the One Health approach: opportunity and examples- Ioan Negrutiu**, University of Lyon, France
3. **Using game theory as a Governance Tool: examples and use cases in One Health- Liviu Bîlteanu**, University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania
4. **Rexdan project: Pollution with microplastics of the Danube in the Galatzi area- Lucian Georgescu**, „Dunarea de Jos” University, Galatzi, Romania

Lunch at the Academic Club 13:00- 14:00

### **Third Session 14:00- 16:00**

**Moderators Cornel Catoi, Radu Blaga**

1. **Professional and administrative inconsistencies in the implementation of the One Health concept- Cornel Catoi**, Department of Pathology, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca
2. **Exploring Animal Models of Human Diseases: From Zoonoses to Toxicological Pathology in One Health- Flaviu Alexandru Tabaran**, Department of Pathology, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca
3. **Developing capacity in One Health and Zoonoses in West Africa: Experience from the German West African Center on Global Health and Pandemic Control (GWAC)- Benjamin Emikpe**, Dean, School of Veterinary Medicine Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
4. **Food risk assessment relevant to public health- a One Health approach- Sorin Dan**, Food Safety Department, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca
5. **Human activity impact on the health of Black Sea cetaceans- Soare Teodoru, Rizac Raluca, Nicolae George Laurentiu, Ciobotaru-Pirvu Emilia, Manuela Militaru-** Department of Pathology, Faculty of Veterinary Medicine, University of Agronomic Sciences and Veterinary Medicine, Bucharest
6. **Toxicity Assessment of Long-Term Exposure to Non-Thermal Plasma Activated Water in Mice- Sorin Pasca**, V. Năstasă, R.-N. Mălăncuș, Andra-Cristina Bostanaru, Luminița Ailincăi, Elena-Laura Ursu, Ana-Lavinia Vasiliu, B. Minea, E. Hnatiuc, M. Mareș- Department of Pathology, Faculty of Veterinary Medicine, University of Life Sciences, Iași
7. **Global warming, international mobility and emerging diseases- One Health approach- Delia Saleno**, EMEVETIB Empresaris Veterinaris de Illes Balears, Confederación Empresarial Veterinaria Española, Junta de Gobierno de CEOE
8. **Investigating contamination of ready-to-eat salads with Toxoplasma gondii oocyst in a European-wide multicentric survey- Radu Blaga**, Parasitology, École Vétérinaire Maison Alfort, France

Coffee break 16:00- 16:30

### **Fourth Session 16:30- 18:15**

**Chairmen: Florin Stănică, Nastasia Belc**

1. **One Health approach as a driver of sustainable development- Nastasia Belc**, Director of National Research and Development Institute for Food Bioresources, Bucharest
2. **Harnessing soil biodiversity potential for better soil health- Șandor Mignon**, University of Agriculture Sciences and Veterinary Medicine, Cluj-Napoca
3. **The use of satellite remote sensing in the creation of predictable risk maps regarding the emergence of new vector-borne diseases in climate change conditions- Mihai Datcu**, Liviu Miron, Corina Văduva, Mihai Coca, Gerar Jițareanu, University of Life Sciences, Iași
4. **Forrest functions and ecosystem services provided by forest for human health and well-being- Ovidiu Badea**, Alexandru Dobre, Serban Chivulescu, „Marin Drăcea” National Institute for Research and Development in Forestry, Bucharest

5. **Dealing with climate change impacts on agriculture- Iulian Gabur, Denis Țopa, Gavril Ștefan, Florin Lipșa, Gerard, Jităreanu** – University of Life Sciences Iași
6. **New fruit species resilient to climate change and sources for functional food- Florin Stănică, Ana Cornelia Butcaru-** University of Agronomic Sciences and Veterinary Medicine, Bucharest
7. **Student International Conference „One Health” organized at USAMV of Bucharest, an active forum for the new generation- Florin Stănică, Ana Cornelia Butcaru-** University of Agronomic Sciences and Veterinary Medicine, Bucharest

Cocktail at Academic Club 18:30

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NOVEMBER, 22, 2024

**Session I: 10:00- 11:00**

**Moderator: Maria Dorobanțu**

1. **Pollution and cardiovascular diseases.- Maria Dorobanțu, University of Medicine and Pharmacy Bucharest**
2. **"West Nile Infection in România 1996-2024" - Simona Ruta, „Stefan S Nicolau” Institute of Virology and „Carol Davila” University of Medicine and Pharmacy**
3. **Oral short communication:“Molecular Determinants of West Nile virus neurovirulence” Iulia Iancu, Anca Botezatu, Camelia Sultana, Corneliu Popescu, Simona Ruta, „Stefan S Nicolau” Institute of Virology and „Carol” Davila University of Medicine and Pharmacy**
4. **Catalysing the Creation of a Network of One Sustainable Health Institutes - Brian B. Rudkin** on behalf of <sup>[1]</sup> the One Europe for Global Health Coalition & One Sustainable Health Forum – the Virchow Foundation & the One Sustainable Health for All Foundation under the aegis of Institut Pasteur.

**Session II: 11:30- 14:00**

**Moderators: Mariana Carmen Chifiriuc, Adrian Streinu-Cercel**

## **ANTIMICROBIAL RESISTANCE: A ONE HEALTH APPROACH TO A GLOBAL CHALLENGE**

### ***Section 1. Clinical dimension of AMR***

1. **Severity of occurrence and spread of antibiotic resistance, potential solutions?** - Prof. dr. Mircea Ioan Popa. Ș.L. Alexandru-Andrei Muntean. "Carol Davila" University of Medicine and Pharmacy; "Cantacuzino" National Medico-Military Institute for Research and Development, Bucharest, Romania
2. **Evaluation of NDM and OXA-48 dual-producing *Klebsiella pneumoniae* Romanian strains** -Prof. dr. Mircea Ioan Popa. Ș.L. Alexandru-Andrei Muntean
3. **Role of quorum sensing in AMR** - Prof. Dr. Adrian Streinu-Cercel. National Institute for Infectious Diseases "Prof. Dr. Matei Balș"; Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

**4. Role of microbial biofilms in AMR.** - Prof. Dr. Oana Săndulescu, Prof. Dr. Anca Streinu-Cercel. National Institute for Infectious Diseases "Prof. Dr. Matei Balș"; Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

## ***Section 2. The role of veterinary medicine and animal agriculture in AMR***

**1. Antimicrobial Resistance in Veterinary Medicine: Challenges and Solutions for Sustainable Animal Health** - Nicolae Corcionivoschi. Food Microbiology at Agri-Food and Biosciences Institute (AFBI), United Kingdom

**2. Evaluating Composting Efficiency as a Strategy to Combat Antimicrobial Resistance – a Case Study on Romanian Farms** - Dr. Marcela Popa, Conf.dr. Luminita Marutescu, Prof.dr. Florica Barbuceanu, Dr. Nicoleta Milita, Dr. Luminita Romascu, Conf.dr. Gratiela Gradisteanu, Prof.dr. Carmen Chifiriuc. University of Bucharest, Faculty of Biology, Microbiology Department; Research Institute of University of Bucharest; The Institute for Diagnostic and Animal Health (IDSA); Faculty of Veterinary Medicine, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Bucharest, Romania

## ***Section 3. Environmental Dimensions of AMR: Waste, Water, and Beyond***

**1. First report of *Providencia stuartii* OXA-48 and *Pseudomonas aeruginosa* GES-5 in Romania -the importance of AMR surveillance in the environmental sector and translation to the clinic-** Mircea Ioan Popa, Alexandru-Andrei Muntean.

**2. Tracking AMR and Its Selectors in Romanian Wastewater Treatment Plants: Insights from Multi-Year National Surveys** - Prof.dr. Mariana Carmen Chifiriuc, Assoc. prof. Luminita Marutescu, Dr. Marcela Popa, Lect. Dr. Ilda Barbu, Assoc. Prof. Irina Barbu, Prof.dr. Adrian Streinu-Cercel, CS2, Dr. Dan Oțelea, Ș.L. Simona Paraschiv, CS2, Dr. Marius Surleac, Prof.dr. Mircea Ioan Popa, Ș.L. Alexandru-Andrei Muntean, CS1, dr. Mihai-Niță Lazăr, Prof. dr. Anton Ficăi, Prof. dr. Ecaterina Andronescu. University of Bucharest; Research Institute of University of Bucharest; "Carol Davila" University of Medicine and Pharmacy; "Cantacuzino" National Medico-Military Institute for Research and Development; National Institute for Infectious Diseases "Prof. Dr. Matei Balș"; National Research and Development Institute for Industrial Ecology ECOIND; University Politehica of Bucharest, Faculty of Chemical Engineering and Biotechnologies, Bucharest, Romania

**3. Bioethical Perspectives on Antimicrobial Resistance in a One Health Context –** Conf.dr. Constantin Vica. University of Bucharest, Bucharest, Romania.

Panel discussions

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*The session will take place in a mixed format and can be watched on the Zoom platform, using the following login details:*

The International Conference *One Health*

Time: Nov 21, 2024 09:00 – 15:00 Bucharest

Join Zoom Meeting

<https://us06web.zoom.us/j/86742585662?pwd=eLOiuFbbQhmNKAtKoKpS551hw2gniF.1>

Meeting ID: 867 4258 5662

Passcode: 649431