



International Scientific Symposium
“Science to Strengthen Sustainable and Safe Food Systems”
PROGRAMME
Riga, National Library of Latvia

Thursday, 30th January

Registration and Coffee 11:30 – 12:30

Plenary Session – Hall Ziedoņa zāle

12:30 – 13:00

Welcome and Opening of the Symposium, Musical performance

13:00 – 13:20

Welcome address

Minister Mr. Kaspars Gerhards, Ministry of Agriculture of Latvia

Chief Veterinary Officer (CVO), Dr. Māris Balodis, Director General of Food and Veterinary Service

13:20 – 13:40

10 years of Institute of Food Safety, Animal Health and Environment “BIOR”

Prof. Dr. Aivars Bērziņš (Director of Institute of Food Safety, Animal Health and Environment (BIOR), Latvia)

13:40 – 14:00

Scientific advice for safe food – a European perspective

Dr. Bernhard Url (Executive Director of European Food Safety Authority (EFSA), Italy)

14:00 – 14:20

European and global partnerships to strengthen food and feed safety systems: A need to have.

Prof. Dr. Dr. Andreas Hensel (President of Federal Institute for Risk Assessment (BfR), Germany)

14:20 – 14:40

Plenary discussion I

14:40 – 15:00

Musical performance

15:00 – 15:40

Coffee Break and Poster Session

15:40 – 16:00

Guaranteeing Safe Food - Yesterday, Today, Tomorrow

Prof. Dr. Thomas Blaha (University of Veterinary Medicine Hannover, Germany)

16:00 – 16:20

History of the Dutch Food Safety laboratory system, from > 50 laboratories to one internationally renowned food safety institute

Dr. Robert van Gorcom (Managing Director of Wageningen Food Safety Research, The Netherlands)

16:20-16:50

Big Data in food safety

Dr. Hans Marvin (DLO Researcher at Wageningen Food Safety Research, The Netherlands)

16:50 – 17:20

Trust in food integrity by new analytical approaches?

Dr. Carsten Fauhl-Hassek (Head of Unit Product Identity, Supply Chains and Traceability of Federal Institute for Risk Assessment (BfR), Germany)

17:20-17:40 **Plenary discussion II and Closing**

17:50-21:00 **Welcome reception**

Friday, 31th January

9:00 – 15:00

**Session I Conference Centre
One Health**

‘One Health’ is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes (WHO, 2019). Animal and public health, zoonoses and their epidemiology, antimicrobial resistance are in focus of ‘One Health’ research. ‘One Health’ session will consist of various oral presentations covering a wide range of the topics mentioned above.

**Session II Conference Centre
Water Resources and Environmental Safety**

A wide range of environmental resources and ecosystems are influenced by various factors, including anthropogenic impact, industrial pollution, climate change and others. Therefore there is a worldwide continuous need for new knowledge and research to ensure and improve healthy and sustainable ecosystems and rich biodiversity keeping in mind economical needs of countries. This session will cover some of the most important aspects of sustainable and safe water, environmental and related food systems

Session III Conference Centre

Posters and scientific discussions will be presented during the whole Symposium.

	Session I "One Health" Hall AB	Session II "Water Resources and Environmental Safety" Hall CD
9.00- 9.30	Registration and Poster session	
9.30- 9.50	<p>ANTIBIOTIC USAGE AND RESISTANCE IN FARM ANIMALS – IS THIS PART OF THE ONE HEALTH PROBLEM?</p> <p>Prof. Dr. rer. nat. Lothar Kreienbrock <i>WHO Collaboration Centre for Research and Training for Health at the Human-Animal-Environment Interface, University of Hannover, Germany</i></p>	<p>MOOMINS V. HUMANS: SCIENCE FOR SUSTAINABILITY OF THE BALTIC SEA ECOSYSTEM SERVICES</p> <p>Prof. Dr. Andris Andrusaitis <i>Acting Executive Director of BONUS EEIG, Coordinator of BANOS CSA, Finland</i></p>
9.50- 10.10	<p>ANTIMICROBIAL RESISTANCE AND SAFE FOOD SYSTEMS</p> <p>Prof. Dr. DVM Annamari Heikinheimo <i>University of Helsinki, RUOKAVIRASTO, Finland</i></p>	<p>HISTORICAL BASELINES IN MARINE BIOINVASIONS: IMPLICATIONS FOR POLICY AND MANAGEMENT</p> <p>Prof. Dr. Henn Ojaveer <i>Technical University of Denmark, DTU Aqua/ University of Tartu, Estonia</i></p>
10.10- 10.30	<p>BOTULISM – NOVEL ASPECTS OF THE OLD THREAT</p> <p>Prof. Dr. Miia Lindström <i>Department of Food Hygiene and Environmental Health, Faculty of Veterinary Medicine, University of Helsinki, Finland</i></p>	
10.30- 10.50	<p>WHOLE GENOME SEQUENCING IN SURVEILLANCE AND OUTBREAK INVESTIGATION OF SALMONELLA ENTERICA - EXPERIENCE IN LATVIA</p> <p>MSc. Irēna Meistere <i>Institute of Food Safety, Animal Health and Environment "BIOR", Latvia</i></p>	<p>SCENARIO-BASED SIMULATION OF THE GULF OF RIGA FUTURE FOOD WEB USING THE ECOPATH WITH ECOSIM MODELLING APPROACH</p> <p>MSc. Ivars Putnis <i>Institute of Food safety, Animal Health and Environment "BIOR", Latvia</i></p>
10.50- 11.10	<p>LAB-ON-CHIP PLATFORM FOR RAPID FOODBORNE PATHOGEN DETECTION</p> <p>Dr. Georgia Kaprou, PhD <i>Institute of Nanoscience and Nanotechnology, Greece</i></p>	<p>RIVER LAMPREYS - THE FISH CONNECTING BALTIC PEOPLE</p> <p>Dr. Robertas Staponkus <i>Klaipeda University, Lithuania</i></p>
11.10- 11.40	Coffee break and Poster session	

11.40- 12.00	WILDLIFE DISEASE SURVEILLANCE AS A PART OF ONE HEALTH Dr. Erik Ågren, PhD <i>National Veterinary Institute (SVA), Sweden</i>	SEALS AND COASTAL FISHERY IN LATVIA: CAN WE MITIGATE SEAL IMPACT? BSc. Inese Ozoliņa, Dr. biol. Maris Plikšs <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>
12.00- 12.20	BEES IN THE ONE HEALTH CONCEPT Dr. Boris Jakobson <i>Kimron Veterinary Institute, Bet Dagan, Israel</i>	STORY ABOUT ROUND GOBY Dr. biol. Didzis Ustups <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>
12.20- 12.40	WILDLIFE AND ONE HEALTH IN THE NORTH AND THE ARCTIC – AN ECOSYSTEM IN CHANGE Dr. Merete Hofshagen <i>Norwegian Veterinary Institute, Norway</i>	CONTRIBUTION OF THE INSTITUTE BIOR IN LONG-TERM MAINTENANCE OF SALMON AND SEA TROUT STOCKS Dr. med. vet. Ruta Medne, Dr. biol. Santa Purviņa <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>
12.40- 13.00	OVERVIEW OF MOST IMPORTANT FOODBORNE PARASITES IN LATVIA Dr. biol. Gunita Deksnė <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>	SUSTAINABLE SALMONID FISH MANAGEMENT SOLUTIONS IN LITHUANIA: TRADITIONAL STOCKING OR HABITAT RESTORATION? Dr. Nerijus Nika <i>Klaipėda University, Lithuania</i>
13.00- 13.20	PREVALENCE OF HEPATITIS E VIRUS IN DOMESTIC PIG AND WILD BOAR POPULATIONS AND MEAT PRODUCTS IN LATVIA (TBC) MSc. Žanete Šteingolde <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>	RIVER AND FISH FAUNA SPECIFIC ESTIMATION OF ECOLOGICAL FLOW IN SEVERAL SMALL HYDROELECTRIC POWER STATIONS MSc. Kaspars Abersons <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>
13.20- 13.50	Light lunch/ coffee break and Poster session	
13.50- 14.10	IMPACT OF FOOD CONTROL RESEARCH ON RISK MANAGEMENT STRATEGIES Assoc. Prof. Dr. Janne Lundén, PhD <i>Department of Food Hygiene and Environmental Health, Faculty of Veterinary Medicine, University of Helsinki, Finland</i>	IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE (WFD) IN THE BALTIC SEA REGION COUNTRIES Dr. chem. Dzintars Začs <i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i>

<p>14.10- 14.30</p>	<p>NOVEL APPLICATIONS OF WASTEWATER-BASED EPIDEMIOLOGY FOR PUBLIC HEALTH MONITORING</p> <p>Assoc. Prof. Dr. Vadims Bartkevics</p> <p><i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i></p>	<p>OCCURRENCE OF ANISAKIDAE NEMATODES IN EASTERN BALTIC COD (<i>GADUS MORHUA</i>) IN EASTERN PART OF BALTIC SEE</p> <p>Dr. biol. Gunita Deksnė</p> <p><i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i></p>
<p>14.30- 14.50</p>	<p>COMPLEX INVESTIGATION ABOUT Q-FEVER DISTRIBUTION AND RISK FACTORS IN DAIRY CATTLE SHEDS IN LATVIA</p> <p>Dr. biol. Lelde Grantiņa-Ieviņa</p> <p><i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i></p>	<p>LIVER, BLOOD AND BONE ARE THE MAJOR COMPARTMENTS FOR PERFLUOROOCANOIC AND PERFLUOROSULFONOIC ACID DISTRIBUTION IN ADULT C57BL/6 MICE</p> <p>Prof. Dr. Jasna Bogdanska</p> <p><i>Department of Biochemistry and Biophysics, Stockholm University, Sweden</i></p>
<p>14.50- 15.10</p>	<p>ALIMENTARY EXPOSURE OF POLYCYCLIC AROMATIC HYDROCARBONS AND NITRATES/NITRITES IN THE REPUBLIC OF BELARUS</p> <p>Dr. Natalia Tsemborevitch</p> <p><i>Scientific and Practical Center of Hygiene, Belarus</i></p>	<p>SCIENTIFIC EXPEDITION TO THE KINGDOM OF THE POLAR BEARS</p> <p>MSc. Ingus Pērkons</p> <p><i>Institute of Food Safety, Animal Health and Environment „BIOR”, Latvia</i></p>
<p>15.10- 15.20</p>	<p>Discussion and closing of Paralell sessions</p>	