



2021 Austrian/Kazan conference on Environmental Health and Food Security

9th November 2021 Kazan

Organizers:

Kazan National Research Technology University

Eurasia-Pacific Uninet EPU

Registration (Austria): friederike.hilbert@vetmeduni.ac.at



Agenda

9th November 2021		
Online Conference on Environmental Health and Food Security		
Vienna Time: 09:30-13.30 Kazan Time: 11:30-14.30		
Opening Ceremony		
09:30-10:00	Address by Dr. Aleksandr Kopylov , Vice Rector for Research and Innovation, Kazan National Research Technological University	
	Address by Prof. Dr. Wolf Dieter Rausch , EPU President	
	Address by Anna Ebel , Head of International Affairs Kazan National Research Technological University	
Speeches		
10:00-10:20 10:20-10:25	“Some like it hot: the role of heat for milk production in mammals” Discussion	Prof. Dr. Teresa Valencak
10:25-10:45 10:45-10:50	"Influence of hydraulic and organic load on the anaerobic-aerobic dairy wastewater treatment characteristics Discussion	Institute of Food industry and Biotechnology, Prof. Rustem Ed. Khabibullin
10:50-11:10 11:10-11:15	“Animal welfare at slaughter - Legal requirements for stunning and killing in the European Union” Discussion	Institute of Food Safety, Vetmeduni, Vienna Dr. Gabriele Flekna
11.15-11.35 11:35-11:40	“Physicochemical and morphological characterization of potato starch modified by bacterial amylases and its application in dairy industry” Discussion	Institute of Food Technology and Biotechnology, Department of Meat and Milk Technologies, KNRTU Ass. Prof. Elena V. Nikitina, Ph.D
11.40-12.00 12:00-12:05	“Food safety in a global world” Discussion	Institute of Food Safety, Vetmeduni, Vienna Ao.-Prof. Dr. Friederike Hilbert



12.05-12.25 12:25-12:30	„Classical Mycotoxins in Animal Husbandry Nutrition“ Discussion	Ao.-Prof. Dr. Josef Boehm
12:30-12:50 12:50-12:55	“Antioxidant additives counteracting harmful effects of deoxynivalenol” Discussion	Institute of Physiology, Pathophysiology and Biophysics, Vetmeduni, Vienna Ao.-Prof. Dr. Alois Strasser
13:00-13:30	Greetings of the Organizers/End of conference Address by Prof. Alexander Sirotkin , Dean for the Faculty of Food Technologies, KNRTU Address by Prof. Dr. Wolf Dieter Rausch , EPU President	

Aleksandr Yu. Kopylov



Kazan National Research Technological University

Vice Rector for Research and Innovation

Doctor of Engineering, Professor

Corresponding Member of the Academy of Sciences of the Republic of Tatarstan

Department of General Chemical Technology, Professor

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Education:

1992 – 1998 - Kazan State Technical University. Qualification: Master of Engineering and Technology.

Specialty: Chemical technology and biotechnology.

2011 - PhD in Engineering

Professional retraining:

1996 – 1998 Higher education pedagogy

Certificates:

2013 - Diploma of corresponding member of the Academy of Sciences of the Republic of Tatarstan in the Department of Chemistry and Chemical Technology

2016 - Diploma of an associate member of the International Professional Organization of Engineers and Researchers - Institution of Chemical Engineers, IChemE (UK)

Prof. Dipl. Ing. Dr. Wolf-Dieter Rausch



University of Veterinary Medicine Vienna, Austria

Department of Biomedical Sciences

Professor of Medical Biochemistry

Dr. Wolf-Dieter Rausch joined the university in 1980 after completing his study in Biochemistry and a two years postdoc fellowship at the National Institutes of Health in Bethesda, Md. USA. His main research field is neurochemistry of aging and neurodegenerative diseases as Parkinson's disease. Environmental causes as well as natural drugs of traditional medicines are currently a main focus. He holds guest professorships in China from Jilin University, Changchun, Bing Zhou University Yantai, University of the Nationalities Inner Mongolia, in Japan at Nihon University School of Pharmacy and at Agriculture University of Dushanbe, Tajikistan. Currently he has scientific cooperations within a TCM research project on Neuroprotection together with the Chinese Academy of Chinese Medical Sciences. From 2012 he is President of Eurasia Pacific Uninet (EPU), a university network originating from Austria with China, Mongolia, Central Asian countries and various other Asian partners. This activity involves promoting agricultural and veterinary activities and cooperations with the asian member universities of EPU.

Alexander S. Sirotkin



Kazan National Research Technological University

Acting Director of Institute of Food Engineering and Biotechnology

Dean for the Faculty of Food Technologies

Doctor of Engineering, Professor

Тел. +7 843 231-95-91

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EDUCATION

1983-1989 – Kazan Institute of Chemical Technology (Kazan National Research Technological University - KNRTU) them. S.M. Kirov, Ing. in Biotechnology

1993 – PhD in Biotechnology and Environmental protection and sustainable use of natural resources

2003 - DSc. in the field Biotechnology and Ecology.

EXPERIENCE

2014 – now: Dean of the Faculty of Food Technologies

2004 – now: PhD (DSc), Professor, Head of the Department of Industrial Biotechnology KNRTU

2004: Professor of the Department of Chemical Cybernetics KNRTU

Research in the field of Biotechnology, Environmental Biotechnology and Chemical Cybernetics
Kazan National Research Technological University (KNRTU)

1997 – 2003: Associate Professor of the Department of Chemical Cybernetics KNRTU

1999-2002 year: habilitation, received in 2003

1995-1997: Assistant of the Department of Chemical Cybernetics KNRTU

1992-1995: Engineer of Chemical Cybernetics KNRTU

1990-1992: Junior Researcher Kazan bioengineering institute

LINGUISTIC PROFICIENCY: Russian, German

Anna O. Ebel



Kazan National Research Technological University

Head of International Affairs

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EDUCATION

1991-1997 – Kazan State Technological University, major in Chemical technology of macromolecular compounds

2003 – PhD in Chemistry, Degree in Colloid Chemistry and Physical and Chemical Mechanics.

Title of Thesis: "The influence of non-ionic surfactants and their compositions on the surface properties of simple oligoesters"

EXPERIENCE

04.03.2019 – present: Head of KNRTU International Affairs

01.03.2018 – 03.03.2019 - Head of Department of Academic Cooperation Development, KNRTU

01.02.2014-28.02.2018 - Head of Department of Joint International Educational Programs, KNRTU

08.10.2012 – 01.02.2014 - Head of Master's Degree Program Department, KNRTU

01.09.2007 – 08.10.2012 - Associate Professor, KNRTU

01.09.2003 -01.09.2007 – Assistant, KNRTU

LINGUISTIC PROFICIENCY: Russian, English

Friederike Hilbert



Institute of Food Safety,

University of Veterinary Medicine, Vienna

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Work experience and memberships

2018-2021 Member of the BIOHAZ panel of the European Food Safety Authority

2012-present Member of Codex Alimentarius Austriacus Commission

2012 Chairman of the Austrian Veterinary Association 2011 Vicechairman of the Austrian Veterinary Association

2004-present Associate Professor, ao.Univ. Prof. (Habilitation) University of Veterinary Medicine, Vienna

2009-present Teaching mission for National Food Safety Experts Official Veterinarians and Official Food Consultants

2013-present Member of the Credentials Committee, Examination Committee of the European College of Veterinary Public Health, Examiner in Food Microbiology

2003-present Diplomat of the European College of Veterinary Public Health

2000-2004 Assistant Professor, University of Veterinary Medicine, Vienna

1997-1999 Erwin-Schrödinger-Scholarship, E.A. Groisman, Washington University, St. Louis, USA

1996-1997 Postdoctoral position, University of Utrecht

1991- 1995 Assistant Veterinarian University of Veterinary Medicine, Vienna

Primary Research Interests

Molecular microbiology and epidemiology of foodborne pathogens with focus on thermophilic *Campylobacter*, *Salmonella enterica* Serovar Typhimurium and Enteritidis in detail

- Characterization of single and mixed species biofilms in *Campylobacter jejuni*
- Transduction of antimicrobial resistance in foodborne pathogens and characterization of resistance elements.
- Virulence properties of foodborne pathogens

Rustem E. Khabibullin



Kazan National Research Technological University

Professor

Institute of Food industry and Biotechnology

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Tel.: +79172615471

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EDUCATION

1976-1982 – Kazan Institute of Chemical technology (former KNRTU). Speciality - Technology of industrial microbiology;

2005 - PhD of Biotechnology;

2015 - Doctor of Engineering Science in Biotechnology and NanoBiotechnology

EXPERIENCE

1982 – 1983 - chemical plant, Nartkala, USSR,

1983 – 1986 - postgraduate studies at the A.Kirchenstein Institute of Microbiology, Academy of Sciences of the Latvian SSR, Riga, Latvia

1986 – 1989 – Junior Researcher, Department of Industrial Biotechnology, Institute of Chemical Technology, Kazan, USSR

1989 – 1996 – Senior Researcher, Laboratory of Environmental Biotechnology and Biomonitoring, State University, Kazan, Kazan

1996 – 2014 - Associate Professor of the Department of Food Production Technology, KNRTU, Kazan, Russia

2014 – present - Professor of the Department of Technology of Meat and Dairy Products, KNRTU, Kazan, Russia.

LINGUISTIC PROFICIENCY: Russian, English



Ass. Dr. med. Vet. Gabriele Flekna

Institute of Food Safety, Food Technology and Veterinary Public Health

Department for Farm Animals and Veterinary Public Health

University of Veterinary Medicine, Vienna

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Tel. ++43-1-25077-3317

Fax. ++43-1-25077-3390

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Work experience

2002-present: Teaching and Research Assistant at the Institute of Food Safety, Food Technology and Veterinary Public Health, University of Veterinary Medicine Vienna

1999-2001: Teaching and Research Assistant at the Institute of Animal Breeding and Genetics, University of Veterinary Medicine Vienna

1998-1999: Freelance scientific assistant at the Institute of Animal Breeding and Genetics, University of Veterinary Medicine

1997-1998: Postdoctoral position at the Ludwig Boltzmann Institute of Immunology, Cyto- and Molecular genetics

1992-31.5.1997: Teaching and Research Assistant at the Institute of Animal Breeding and Genetics, University of Veterinary Medicine Vienna

1.1.1991-31.12.1991: Scientific assistant at the Ludwig Boltzmann Institute of Immunology and Cytogenetics

Education

05.06.1992: Graduation to Dr. med. vet. (passed with distinction)

1991-1992: Doctoral student at the Institute of Animal Breeding and Genetics, University of Veterinary Medicine Vienna, Austria

Thesis: "PCR-analysis of k-casein gene polymorphisms in Austrian breeding cattle"

Expertise

- Food Hygiene and Technology

Elena V. Nikitina



Kazan National Research Technological University

Department of Meat and Milk Technology,
Institute of Food Technology and Biotechnology,

Tel. +7-9274039310

E-mail: ev-nikitina@inbox.ru

Work experience and memberships

2003-present- member of the Y.A. Ovchinnikov Society of Biotechnologists of Russia
2004-present - member of the Society of Microbiologists of Russia since

2010-present - Associate Professor, Kazan National Research Technological University

2005-2005 Assistant, Kazan National Research Technological University

2000-2003 - Postdoctoral position, Kazan State University

Primary Research interests

Food microbiology with focus on lactic acid bacteria, food technology with focus on functional stabilizes.

Modification of natural polysaccharides and their application in food products.

Search and study of non-starter cultures of lactic acid bacteria in order to use them in the technology of dairy products, increasing probiotic properties.

Assoc.-Prof. Dr. Teresa Valencak



Assoc.-Prof. Dr. Teresa Valencak

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And
College of Animal Sciences
Zhejiang University
Zijingang Campus
Hangzhou
People's Republic of China

Teresa G. Valencak studied Biology and Animal Science at University Vienna before she did her PhD at Veterinary University in Vienna on lipidomic profiles in mammals. As Postdoc, she conducted 3 projects in Austria, the UK and in China. Between 2015 and 2018, she was Assistant Professor and Associate Professor in Metabolic Physiology at Veterinary University Vienna. In 2019, she got appointed Associate Professor in Animal science at Zhejiang University in Hangzhou. Since she returned from China to Europe in 2021, she is currently working at Paris Lodron University Salzburg.

Teresa G. Valencak addresses questions relating to energy metabolism and lifespan in farm animals, animals in research and pets. More specifically, her projects focus on physiological costs of high reproductive rates on rates of senescence and aging. Coming from animal physiology, she is also very interested in physiological limits which animals reach when reproducing at most. She cooperates with many labs worldwide and is very experienced with teaching and supervising students at all educative levels. Apart from her interest in mechanisms relating to aging, she is interested in comparative studies on lipidomics and in the nutritional sciences.

Dr. Valencak is a member of numerous learned societies including the Physiological Society, the Felasa and the American Aging Society.



Univ. Prof. i.R. Dr. Josef Böhm

born 1954, elementary school in Zwettl, Lower Austria
1972: Level A (Matura) at the BRG Zwettl
1972 - 1973: Austrian military

vocational training and employment

1973 – 1975: College for Technical Chemistry at the HBLV Rosensteingasse, Vienna
1976 - 1986: lab technician at the Institute of Animal Nutrition at the
Vetmeduni Vienna

extended vocational education and training

1976 – 1986: regular study of veterinary medicine

1986: Diploma in veterinary medicine

Assistant professor at the Institute of Animal Nutrition

1988: Dr. med. vet.

2001: Habilitation for Animal Nutrition

since 2002 Associate professor and project manager

special thematic discipline: mycotoxins and mycotoxicoses

about 200 publications and book chapters in national and international scientific journals

1986: H. W. Schaumann Award

Cooperations in veterinary science with Germany, Sweden, and Poland

Special student training courses in Singapore, Thailand, Indonesia, Egypt

about 200 publications and book chapters

Alois Strasser



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Biophysics,
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Prof. STRASSER is Associate professor at the Institute of Physiology, Pathophysiology and Biophysics of the Department of Biomedical Sciences at the University of Veterinary Medicine Vienna. He received his M.V.M. and D.V.M. degrees in veterinary medicine from the University of Veterinary medicine, Austria, in 1987 and 1989, respectively. He joined the university in 1989, working as university lecturer and scientist, interposed by a one year postdoc research fellowship at the National Institutes of Health in Bethesda, USA, obtaining his postdoctoral lecturing qualification for physiology in 1998.

His main research interests include the pathophysiology of the cerebral terminal vascular bed, experimental gerontology, bio-gerontology and geriatrics as well as the impact of mycotoxins on the immune system. He is member of several Austrian and International scientific societies, reviewer in various scientific journals (e.g. Immunobiol, J Neural Transmission, Exp Gerontol), and has ongoing international cooperations with laboratories e.g. in China (Xinjiang Medical University, Urumqi), Mongolia (School of Biomedicine, HSUM, Ulan Bator) and in the USA (NMRC, Silver Spring; NINDS, NIH, Bethesda).

He lectures general physiology, equine biochemistry and physiology, applied physiology and gerontology.