



## **WORKSHOP ON APPROACHES FOR RISK ASSESSMENT OF EMERGING CONTAMINANTS with ROUNDE TABLE „How to use EU funds“**

*University of Novi Sad, Faculty of Technology Novi Sad,  
Novi Sad, Serbia  
16-17th November 2015*

### **PROGRAM**

16 November 2015

- 10.00-10.30      Registration
- 10.30-10.40      **Welcome speech**, Prof. Dr. Biljana Škrbić, *Head of the Center of Excellence in Food Safety and Emerging Risks (CEFSEK) and Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*
- 10.40-11.10      **Presentation on the achievements of the CEFSEK Centre and Laboratory for Chemical Contaminants and Sustainable Development**, Prof. Dr. Biljana Škrbić
- 11.10-11.40      **Interdisciplinary trends in the environmental sector – A cooperation between the Department of Microbiology, Faculty of Science and Informatics, University of Szeged, and CEFSEK-Faculty of Technology Novi Sad**, Prof. Dr. Csaba Vagvolgyi, *Head of the Department*<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Laszlo Manczinger<sup>1</sup>,  
<sup>1</sup>*Faculty of Science and Informatics, University of Szeged, Hungary*  
<sup>2</sup>*Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*
- 11.40-12.00      Coffee break
- 12.00-13.00      **ROUND TABLE "How to use EU funds?"**
- 13.00-14.30      Lunch break



## Chemical Food Safety

- 14.30-14.40 **RP-HPLC method development for determination of pesticide residues in apple juice**, Lenche Velkoska-Markovska, Biljana Petanovska-Ilievska  
Food Institute, Faculty of Agricultural Sciences and Food, "Ss. Cyril and Methodius" University in Skopje
- 14.40-14.50 **Overview of the PT schemes on mycotoxin determination: CEFSEK achievements**, Biljana Škrbić, Jelena Živančev, Igor Antić  
*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*
- 14.50-15.00 **Occurrence of aflatoxin M1 in different types of milk from Serbia: Exposure assessment**, Biljana Škrbić, Jelena Živančev, Igor Antić  
*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*
- 15.00-15.10 **Levels of aflatoxin M1 in selected Serbian white and hard cheese**, Biljana Škrbić, Igor Antić, Jelena Živančev,  
*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*
- 15.10-15.20 **Natural co-occurrence of 11 mycotoxins in wheat and wheat based products in Serbia**, Biljana Škrbić, Jelena Živančev, Nataša Đurišić-Mladenović  
*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*
- 15.20-15.30 **Determination of 11 mycotoxins in rice by ultra-high performance liquid chromatography coupled to triple quadrupole mass spectrometry**, Biljana Škrbić, Jelena Živančev, Igor Antić;  
*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*
- 15.30-15.50 Coffee break
- 15.50-16.00 **Comparison of the dry fermented sausages from distinct origins based on the toxic heavy elements analysis**, Maria Fraqueza<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Nataša Đurišić-Mladenović<sup>2</sup>  
<sup>1</sup>*Technical University of Lisbon, Portugal*  
<sup>2</sup>*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*
- 16.00-16.10 **Daily intake of heavy elements by Spanish and Serbian infants through consumption of different baby food types**, Biljana Škrbić<sup>1</sup>, Jelena Živančev<sup>1</sup>, Igor Antić<sup>1</sup>, Grigorije Jovanović<sup>2</sup>, Jelena Cvejanov<sup>1</sup>, Marinella Farre<sup>3</sup>  
<sup>1</sup>*Center of Excellence in Food Safety and Emerging Risks (CEFSEK), Faculty of Technology Novi Sad*  
<sup>2</sup>*University of Novi Sad, Faculty of Medicine, Novi Sad*  
<sup>3</sup>*Department of Environmental Chemistry, Institute of Environmental Assessment and Water Studies, CSIC, Barcelona, Spain*



- 16.10-16.20 **Heavy elements and phthalate esters in rice collected from the Serbian and Chinese market: Concentrations and risk assessment**, Yaqin Ji<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Igor Antić<sup>2</sup>, Jelena Živančev<sup>2</sup>,  
*<sup>1</sup>College of Environmental Science and Engineering, Nankai University, China*  
*<sup>2</sup>Center of Excellence in Food Safety and Emerging Risks (CEFSEER), Faculty of Technology Novi Sad*
- 16.20-16.30 Discussion on the possibilities of regional networking and knowledge transfer



17 November 2015

## **Application of Green Technologies in the Environmental Protection**

- 10.00-10.10 **Degradation of phenol and aniline derivatives by Phanerochaete chrysosporium strains**, Csaba Vágvölgyi<sup>1</sup>, Mónika Vörös<sup>1</sup>, Bettina Bóka<sup>1</sup>, Dejana Panković<sup>2</sup>, Mira Pucarević<sup>2</sup>, Ljubinko Jovanović<sup>2</sup>, László Manczinger<sup>1</sup>  
*<sup>1</sup>University of Szeged, Faculty of Science and Informatics, Department of Microbiology, Szeged, Hungary*  
*<sup>2</sup>University EDUCONS, Sremska Kamenica, Serbia*
- 10.10-10.20 **Survey of the pollution status and microbial community structure of the surface water layer of the Maros River**, Lóránt Hatvani<sup>1</sup>, László Manczinger<sup>1</sup>, Andrea Palágyi<sup>1</sup>, Isidora Radulov<sup>2</sup>, Lucian Nita<sup>2</sup>, Livia Vidács<sup>3</sup>, Csaba Vágvölgyi<sup>1</sup>  
*<sup>1</sup>University of Szeged, Faculty of Science and Informatics, Department of Microbiology, Szeged, Hungary*  
*<sup>2</sup>Banat University of Agricultural Sciences and Veterinary Medicine, Timișoara, Romania*  
*<sup>3</sup>Directorate for Water Management of Lower Tisza District (ATI-VIZIG), Szeged, Hungary*
- 10.20-10.30 **New methods for monitoring and assessing soil quality**  
Manczinger László<sup>1</sup>, Isidora Radulov<sup>2</sup>, Lucian Nita<sup>2</sup>, Andrea Palágyi<sup>1</sup>, László Kredics<sup>1</sup>, János Varga<sup>1</sup>, Beáta Tóth<sup>3</sup>, Csaba Vágvölgyi<sup>1</sup>  
*<sup>1</sup>University of Szeged, Faculty of Science and Informatics, Department of Microbiology, Szeged, Hungary*  
*<sup>2</sup>Banat University of Agricultural Sciences and Veterinary Medicine, Timișoara, Romania*  
*<sup>3</sup>Cereal Research Nonprofit Ltd., Szeged, Hungary*

## **Environmental Pollution**

- 10.30-10.40 **Latest emerging pollutants in the environment**, Mira Petrović<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Marinella Farre<sup>3</sup>  
*<sup>1</sup>Institut Català de Recerca de l'Aigua, Spain*  
*<sup>2</sup>Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*  
*<sup>3</sup>CSIC-Institute of Environmental Assessment and Water Research, Spain*
- 10.40-10.50 **An overview on “green” approaches in the targeted analysis**, Biljana Škrbić, Nataša Đurišić-Mladenović, Jelena Živančev, Igor Antić, Đorđe Tadić  
*Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*



- 10.50-11.00 **Method for multicomponent screening of the environmental samples**, Kiwao Kadokami<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Nataša Đurišić-Mladenović<sup>2</sup>, Igor Antić<sup>2</sup>, Mira Čelić<sup>2</sup>, Nevenka Nikolić<sup>3</sup>  
*<sup>1</sup> Faculty of Environmental Engineering, University of Kitakyushu, Japan*  
*<sup>2</sup> Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*  
*<sup>3</sup> Public Water Management Company "Vode Vojvodine" Novi Sad*
- 11.00-11.25 Coffee break
- 11.25-11.35 **Simultaneous preparation of the soil samples for the PAH and OCC analyses**, Biljana Škrbić<sup>1</sup>, Nataša Đurišić-Mladenović<sup>1</sup>, Igor Antić<sup>1</sup>, Vesna Marinković<sup>2</sup>, Anita Petrović-Gegić<sup>2</sup>  
*<sup>1</sup> Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*  
*<sup>2</sup> Higher Education Technical School of Professional Studies, Školska 1, 2100 Novi Sad*
- 11.35-11.45 **Risk assessment based on the analysis of SVOCs in soil and street dust samples from Novi Sad**, Biljana Škrbić<sup>1</sup>, Đorđe Tadić<sup>1</sup>, Jelena Cvejanov<sup>1</sup>, Vesna Marinković<sup>2</sup>, Anita Petrović-Gegić<sup>2</sup>  
*<sup>1</sup> Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*  
*<sup>2</sup> Higher Education Technical School of Professional Studies, Školska 1, 2100 Novi Sad*
- 11.45-11.55 **Hormones in water**, Mira Petrović<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Mira Čelić<sup>2</sup>  
*<sup>1</sup> Institut Català de Recerca de l'Aigua, Spain*  
*<sup>2</sup> Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*
- 11.55-12.05 **Perfluorinated compounds in surface and waste water**, Biljana Škrbić<sup>2</sup>, Kiwao Kadokami<sup>1</sup>, Igor Antić<sup>2</sup>, Đorđe Tadić<sup>2</sup>, Birgit Schlichtig<sup>3</sup>, Bertram Kuch<sup>3</sup>, Jovana Husemann<sup>3</sup>,  
*<sup>1</sup> Faculty of Environmental Engineering, University of Kitakyushu, Japan*  
*<sup>2</sup> Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad*  
*<sup>3</sup> Institute for Sanitary Engineering, Water Quality and Solid Waste Management, University Stuttgart, Stuttgart, Germany*
- 12.05-12.15 **Distribution of phthalates in soil and street dust samples from Novi Sad and the related risk estimation**, Yaqin Ji<sup>1</sup>, Biljana Škrbić<sup>2</sup>, Nataša Đurišić-Mladenović<sup>2</sup>,  
*<sup>1</sup> College of Environmental Science and Engineering, Nankai University, China*  
*<sup>2</sup> Laboratory for Chemical Contaminants and Sustainable Development, Faculty of Technology Novi Sad,*
- 12.15-12.25 **Heavy elements in soil and street dust samples from Novi Sad**, Biljana Škrbić<sup>1</sup>, Yaqin Ji<sup>2</sup>, Igor Antić<sup>1</sup>, Maja Buljovčić<sup>1</sup>, Jelena Cvejanov<sup>1</sup>, Vesna Marinković<sup>3</sup>  
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*<sup>2</sup> College of Environmental Science and Engineering, Nankai University, China*



- 12:25-12:35 <sup>3</sup>*Higher Education Technical School of Professional Studies, Školska 1, 2100 Novi Sad*  
**BTEX in indoor air of screen printing industry**, Anita Petrović, Vesna Marinković  
*Higher Education Technical School of Professional Studies, Novi Sad, Serbia*
- 12.35-14.10 Lunch break
- 14.30-16.30 Demonstration of the developed analytical methods in the CEFSEK Lab