







First day, Thursday 22.11.2012

Welcome, opening remarks (Bohumir Stradel, Tomáš Ocelka, Lucie Obalová) – location: lecture hall NA2 VSB Industrial applications (Chair: Lucie Obalová) This section is financed by the Institute of Environmental Technology, reg. no. C2.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project. Section Programme Research and Development for Innovation and by the Institute Development Project. Chalová k. A. Jiratová*, K. Karásková*, F. Kovanda* VSB-TJ. Ostrava, IET*, TCPF ASCR, Prague, ICT Prague, Czech Republic Prague, ICT Prague, Czech Republic Section Programme Research and Development Project.			
This section is financed by the Institute of Environmental Technology, reg. no. C2.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project. 9:00	8:40	Welcome, opening remarks (Bohumír Strnadel, Tomáš Ocelka, Lucie Obalová) – location: lecture hall NA2 VSB	
perational Programme Research and Development for Innovation and by the Institute Development Project. 9:00	Industria	al applications (Chair: Lucie Obalová)	
9:00 Catalytic decomposition of N2O – from laboratory experiments to industrial application L. Obalová! K. Harásoková! F. Krovanda? VSB-TU Ostrava, IET, PICPF ASCR, Prague, ICT Prague, Czech Republic 3:00 Modified minerals as new catalysts for selective reduction of NOx with amonia L. Crimielarz' Jagiellonian University Krakow, Poland 10:00 The possibility of increasing the production of methane in biogas station Pustějov J. Rusin' I. K. Chamrádová! K. Kašáková!, K. Obroučka' VSB-TU Ostrava, IET 10:30 Coffee Break 11:00 Method for destruction of selected halogenated chemicals T. Ocelka', S., Nikl' PIPH Ostrava 11:30 Identification of sources based on chemicals on dust particles H. Raclavská!, L. Obal; K. Raclavsky!, VSB-TU Ostrava 12:00 Catalytic filters for soot combustion A. Kotarba! Jagielionian University Krakow, Poland 12:30 Lunch Poster Session Passive sampling and analytical methods (Chair: Tomáš Ocelka) This poster session and session is financed by the Institute of Environmental Technology, reg., no. C2.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project. 14:00 Identification of nanomaterials in ambient air K. Lach', P. Danihelka' I. B. Grabic' IPH Ostrava, Czech Republic, "VSB-TU Ostrava, FSE 14:30 Methods for measurement of endocrine disruption chemicals in biotic and environmental samples S.Mach', B. Grabic' IPH Ostrava, Na Lro POPs, Czech Republic, "University of South Bohemia, České Budějovice, Czech Republic 15:00 Strategy for application of passive sampling techniques for water and ambient air monitoring Ch. Harman' NINA, Oslo, Norway 15:30 Coffee Break Poster Session Poster Session Data analytical methods (Chair: Dana Šalounová) This section is financed by the Institute of Environmental Technology, reg., no. CZ 1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project. L. Pavliska' IEBH Services, I	This sect	tion is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by	
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L. Chmielarz' 'Jagiellonian University Krakow, Poland 10:00 The possibility of increasing the production of methane in biogas station Pustějov J. Rusin', K. Chamrádová', K. Kašáková', K. Obroučka' 'VSB-TU Ostrava, IET 10:30 Coffee Break Method for destruction of selected halogenated chemicals T. Coelika', S. Nikl' 'IPH Ostrava 11:30 Identification of sources based on chemicals on dust particles H. Raclavská', L. Obal', K. Raclavsky', 'VSB-TU Ostrava, IET, TESO Ostrava, Ltd. 12:00 Catalytic filters for soot combustion A. Kotarba' Jugiellonian University Krakow, Poland 12:30 Lunch Poster Session Passive sampling and analytical methods (Chair: Tomáš Ocelka) This poster session and session is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.010 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project. 14:00 Identification of nanomaterials in ambient air K. Lach', P. Danihnelka' 'IPH Ostrava, Czech Republic, "VSB-TU Ostrava, FSE 14:30 Methods for measurement of endocrine disruption chemicals in biotic and environmental samples S. Mach', R. Grabic' 'IPH Ostrava, NRL for POPs, Czech Republic, "University of South Bohemia, České Budějovice, Czech Republic Dh. Harman' 'INIVA, Oslo, Norway 15:30 Office Break Poster Session Pasa analytical methods (Chair: Dana Šalounová) This section is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project. 16:00 A protocol for complex environmental and health practice: novel paradigm for data treatment and analysis "EAH services, Inc., Czech Republic Prochačka', H. Riosovat, T. Ocelka', L. Pavliska', D. Šalounová' 'EPCP ASCR, Prague, Czech Republic, "IPH Ostrava, Czech Republic of robust data analysis V. Prochažka', H. Klosovat, T. Ocelka', L. Pavliska', D. Šalounová' Faculty Hospital Ostrava, "IPH Ostrava	9:30		
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V. Procházka¹, H. Klosova1, T. Ocelka², L. Pavliska³, D. Šalounová⁴ ¹Faculty Hospital Ostrava, ²IPH Ostrava, CR, ²E&H services, Inc., ⁴VSB-TUO, EF, Czech Republic 18:00 Discussion	17:00		
¹ Faculty Hospital Ostrava, ² IPH Ostrava, CR, ² E&H services, Inc., ⁴ VSB-TUO, EF, Czech Republic 18:00 Discussion			
18:00 Discussion			
	10:00		
20:00 Social Programme, Banquet with music performance – only for invited guests			
	20:00	Social Programme, Banquet with music performance – only for invited guests	



















Second day, Friday 23.11.2012

8:25	Opening remarks to Second day (Bohumír Strnadel, Tomáš Ocelka, Daniela Plachá) - location: lecture hall NA2 VSB	
Nanomaterials and environment (Chair: Daniela Plachá) This section is financed by the Nanotechnology – the basis for international cooperation project, reg. no.		
CZ.1.07/2.3.00/20.0074 supported by Operational Programme Education for Competitiveness funded by Structural Funds of the European Union and state budget of the Czech Republic.		
8:30	Nanomaterials for environmental applications	
	D. Plachá¹, K. Barabászová¹	
	¹VSB-TU Ostrava, Nanotechnology Centre, Czech Republic	
9:00	Evaluation of nanomaterials risks J. Kukutschová¹	
	¹VSB-TU Ostrava, Nanotechnology Centre, Czech Republic	
9:30 Role of genotoxicity assessment in nanomaterials production		
	K. Malachová, <u>Jiří Červeň</u>	
10:00	Ostrava University, Faculty of Science, Czech Republic Perspectives of nanoparticles in pharmacy	
10.00	J. Jampílek ^{1,2}	
	¹ Research Institute for Pharmacy and Biochemistry, Brno, Czech Republic, ² Faculty of Pharmacy, University	
	of Veterinary and Pharmaceutical Sciences Brno, Czech Republic	
10:30	Coffee Break	
Testing and problems of pharmaceutics (Chair: Jiří Dohnal)		
This section is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project.		
11:00 Binding drugs to human serum albumin. In-vitro spectrofluorimetric study		
	J. Zubik-Rownicka ¹ , A. Sulkowska ¹	
11.00	¹Medical University of Silesia, School of Medicine in Katowice, Poland	
11:30	Issues of development and production of active pharmaceutical ingredients and finished dosage forms from the point of view of safety assurance, with particular attention to import from third countries <u>J. Dohnal</u> ^{1,2}	
	¹ Research Institute for Pharmacy and Biochemistry, Brno, Czech Republic, ² Faculty of Pharmacy, University	
10.00	of Veterinary and Pharmaceutical Sciences Brno, Czech Republic	
12:00	Problem of counterfeit medicines: Causes of existence and possible ways of solving V. Stukina ¹	
	¹ Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic	
12:30	Dissolution testing as a tool in quality assurance of pharmaceuticals	
	M. Culen ^{1,2} 1. December 1. State of the Pharmacour and Bischamicture Burns Creak Boundilia ² Foculty of Pharmacour University of	
	¹ Research Institute for Pharmacy and Biochemistry, Brno, Czech Republic, ² Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic	
13:00	Discussion, closing remarks	



















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Thursday 22.11.2012

	Recent trends in the instrumental analysis – location: Business incubator 332 VSB-TUO Chair: Tomáš Ocelka and Romana Kurková)
9:00-15:00	Environmental and Health Applications of Advanced Instrumental techniques Analytical experts and special guests

Friday 23.11.2012

	Passive sampling and its perspectives for environmental applications - location: Business incubator 231 VSB-TUO (Chair: Tomáš Ocelka)
9:00-13:00	Passive sampling techniques: from theory to practical applications 1 Ch. Harman 1 NIVA, Oslo, Norway









