

Dioxin 2018

Students' Symposium

August 25, 2018

8:00	Registration and Coffee		
	Welcoming team: Paweł Jarosiewicz, Patricia Omo-Okoro, Nina Wemken, Martyna Saba, Małgorzata Mędyk, Maria Björnsdotter, Felicia Fredriksson, Elżbieta Mierzejewska		
8:20	Welcome and Opening Remarks	Professor Jerzy Falandysz	
	Chair:	Martin Sharkey	
Levels and Trends of PFC			
Chair: Martin Sharkey & Maria Björnsdotter			
	Title	Authors	Ab#
8:30	SPATIAL AND VERTICAL VARIATIONS OF PERFLUOROALKYL ACIDS (PFAAS) IN THE BOHAI AND YELLOW SEAS: BRIDGING THE GAP BETWEEN RIVERINE SOURCES AND MARINE SINKS	Zhou Yunqiao, Wang Tieyu, Li Qifeng, Wang Pei, Li Lei, Chen Shuqin, Zhang Yueqing, Khan Kifayatullah, Meng Jing	322
8:50	PER- AND POLYFLUOROALKYL SUBSTANCE (PFAS) HOMOLOGUE PROFILES, INCLUDING ULTRASHORT-CHAIN COMPOUNDS, AND EXTRACTABLE ORGANOFUORINE (EOF) IN WASTEWATER TREATMENT PLANT EFFLUENT AND SLUDGE FROM NORDIC COUNTRIS	Aro Rudolf, Eriksson Ulrika, Kärrman Anna, Chen Fangfang, Wang Thanh, Yeung Leo	649
9:10	ULTRA-SHORT-CHAIN PERFLUOROALKYL SUBSTANCES (PFASS) INCLUDING TRIFLUOROMETHANESULFONIC ACID (TFMS) IN ENVIRONMENTAL WATERS	Bjornsdotter Maria Kristina, Yeung Leo W Y, Kärrman Anna, Ericson Jogsten Ingrid	532

9:30	MONITORING POLY- AND PERFLUOROALKYL SUBSTANCES (PFASS) IN DRINKING WATER TREATMENT PLANT AND DISTRIBUTION SYSTEM IN CHANGZHOU, CHINA	Qu Yingxi, Huang Jun, Yu Gang, Jiang Xinshu, Li Wenchao, Liu Liqun, Bao Yixiang	548
9:50	COMPARISON OF PER-/POLYFLUORINATED SUBSTANCES PROFILES AND LEVELS IN BIRD EGGS FROM SOUTH AFRICA AND NORDIC COUNTRIES	Fredriksson Felicia, Yeung LWY, Kärrman A, Eriksson U	629
10:10	PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS): UBIQUITY, LEVELS, TOXICITY AND THEIR REMOVAL FROM AQUEOUS MEDIA USING NOVEL AGRO-BASED ADSORBENTS	Omo-Okoro Patricia, Daso Adegbenro, Okonkwo Jonathan	367
10:30	Coffee Break		
	Levels and Trends General Co-Chairs: Rudolf Aro & Maria Björnsdotter		
10:50	SHORT-CHAIN CHLORINATED PARAFFINS IN AIR FROM SOUTHEASTERN BRAZILIAN MOUNTAINS	Guida Yago, Meire Rodrigo, Sprengel Jannik, Torres João, Vetter Walter	387
11:10	OCCURRENCE AND DISTRIBUTION OF ORGANOPHOSPHATE FLAME RETARDANTS (OPFRS) IN INDOOR DUST FROM SHOPS, HOMES AND OFFICES OF THE RHINE/MAIN REGION, GERMANY	Zhou Lingli, Püttmann Wilhelm	194
11:30	OCCURRENCE OF ATMOSPHERIC LEGACY AND CURRENT-USE PESTICIDES IN TWO HIGHLY IMPACTED AREAS OF BRAZILIAN SOUTHEASTERN COAST: HOW MUCH PESTICIDES CAN WE BREATHE AT SUB/URBAN AREAS?	Guida Yago, Meire Rodrigo, Silva Éridi, Capella Raquel, Lino Adan, Carvalho Daniele, Braga Alfésio, Torres João	120
11:50	TOXIC EQUIVALENT CONCENTRATIONS OF DIOXIN-LIKE PCBS IN SOIL SAMPLES FROM THE VICINITY OF ELECTRICAL POWER STATIONS IN LAGOS, NIGERIA	Folarin Bilikis, Oluseyi Temilola, Abdallah Mohamed, Harrad Stuart, Olayinka Kehinde	16
12:10	Lunch and Posters		
13:10	OCCURRENCE AND SPATIOTEMPORAL DISTRIBUTION OF PHARMACEUTICALLY ACTIVE COMPOUNDS (PHACS) AT BEIYUN RIVER IN BEIJING, CHINA: 2013-2017	Duan Lei, Zhang Yizhe, Wang Bin, Yu Gang	634
13:30	OCCURRENCE, REMOVAL AND RISK ASSESSMENT OF PPCPS IN DRINKING WATER PLANTS	Jiang Xinshu, Huang Jun, Qu Yingxi	227

13:50	SEWAGE EPIDEMIOLOGY STUDY OF ANTIBIOTICS IN FLU SEASON IN BEIJING	Duan Lei, Zhang Yizhe, Wang Bin, Yu Gang	635
Formation and Remediation Chair: Patricia Omo-Okoro & Rudolf Aro			
14:10	AN ALTERNATIVE REMOVAL STRATEGY FOR PERFLUOROOCTANE SULFONATE FROM AQUEOUS FILM-FORMING FOAM SOLUTION BY AERATION-FOAM COLLECTION	Meng Pingping, Deng Shubo	13
14:30	REMOVAL OF TRICHOLORETHYLENE FROM WATER WITH LaFeO ₃ AS PHOTOCATALYST	Hsu Yen Chen, Chang Shu-Hao, Chang Moo-Been	186
14:50	Coffee Break		
15:10	REDUCING OF POLYCHLORINATED NAPHTHALENES (PCNS) EMISSION FROM MUNICIPAL WASTE INCINERATOR	Dat Nguyen Duy, Lien Chian-Gou , Lyu Jia-Ming , Huang Yong-Ji , Wang Wei-Chun , Chang Moo-Been	203
15:30	THE EFFECT OF THE SELECTED PLANT SECONDARY METABOLITES ON STRUCTURALLY RELATED PHENOXY HERBICIDES (2,4-D AND MCPA) REMOVAL RATE, PRESENCE OF BACTERIAL DEGRADATIVE GENES AND SAMPLES PHYTOTOXICITY	Mierzejewska Elzbieta, Urbaniak Magdalena, Baran Agnieszka, Tankiewicz Maciej	328
15:50	UNINTENTIONAL GENERATION OF CHLORINATED POLYCYCLIC AROMATIC HYDROCARBONS DURING COOKING	Masuda Misato, Wang Qi, Tokumura Masahiro, Miyake Yuichi, Amagai Takashi	615

Session 2**Analytical****Chair: Mehran Alaei & Nina Wemken**

	Title	Authors	Ab#
8:30	DEVELOPMENT OF A CONTINUOUS SAMPLING SYSTEM FOR POPS MEASUREMENT	Hsu Yen Chen, Chang Shu-Hao , Chang Moo-Been	184
8:50	SMALL-SCALE SPATIAL VARIABILITY OF FLAME RETARDANTS IN INDOOR DUST AND IMPLICATIONS FOR DUST SAMPLING	Jílková Simona, Melymuk Lisa, Vojta Šimon, Vykoukalová Martina, Bohlin-Nizzeto Pernilla, Klánová Jana	183
9:10	AN ANALYTICAL METHOD FOR CHLORINATED POLYCYCLIC AROMATIC HYDROCARBONS IN PARTICLES BY THERMAL DESORPTION-GC/MS	Sei Kento, Wang Qi, Masuda Misato, Tokumura Masahiro, Miyake Yuichi, Amagai Takashi	544
9:30	ADDUCT IONS BEHAVIOUR WITH RESPECT TO SOURCE PARAMETERS FOR THE COMPREHENSIVE LC-HRMS ANALYSIS OF CHLORINATED PARAFFINS (CPS)	Meziere Marie, Cariou Ronan, Marchand Philippe, Bichon Emmanuelle, Dervilly-Pinel Gaud	17
9:50	NON-TARGET STRATEGY OF ORGANIC COMPOUNDS IN PAIRED MATERNAL AND CORD SERUM	Li Yuqian Yu Nanyang, Wei Si	642
	Exposure and Risk Assessment Co-chairs: Martin Sharkey & Nina Wemken		
10:10	IDENTIFICATION OF ENDOCRINE DISRUPTORS IN SOURCE WATER USING EFFECT DIRECTED ANALYSIS AND REDUCED ZEBRAFISH TRANSCRIPTOME	Gao Pan, Wei Shi	651
10:30	Coffee Break		
10:50	ENANTIOMERIC FRACTIONS OF CHIRAL OCPS IN TRANSPLACENTAL TRANSFER	Yin Shanshan, Liu Weiping	182
11:10	ESTIMATION OF HEALTH RISK OF POLYBROMINATED DIPHENYL ETHERS AT INFORMAL ELECTRONIC WASTE RECYCLING SITES	Ohajinwa Chimere, Peter van Bodegom, Vijver Martina, Peijnenburg Willie	303
11:30	EVALUATION OF THE CURRENT CONTAMINATION STATUS OF PFASS AND OPFRS IN SOUTH KOREAN TAP WATER ASSOCIATED WITH ITS ORIGIN	Park Heejeong, Choo Gyojin, Kim Hyerin, Oh Jeong-Eun	336
11:50	QUALITY AND RISK ASSESSMENT OF SEWAGE SLUDGE COMPOSTS	Barčauskaitė Karolina, Mažeika R	688

12:10	Lunch and Posters		
13:10	PRENATAL EXPOSURE TO PERSISTENT ORGANIC POLLUTANTS AND ANTHROPOMETRIC MEASURES IN ADOLESCENTS	Berghuis Sietske Annette, Bos Arend Frederik, Sauer Pieter Jan Jacob, Bocca Gianni	533
13:30	EXTENDING THE 3R PRINCIPLE USING PBPK MODELLING: A CASE STUDY OF TCDD TRANSFER FROM FEED TO GROWING PIGS	Glushkina Daria, Bulik Sascha, Numata Jorge, Schafft Helmut, Lahrssen-Wiederholt Monika	304
	Toxicology Chair: Elżbieta Mierzejewska & Paweł Jarosiewicz		
13:50	PCB LEVELS IN MATERNAL SERUM	Yesildagli Berkay Umut, Karagoz Cansu, Hunc Fatih, Arslanbas Demet, Yucesoy Gulseren, Dillioglugil Meltem Ozlen, Filiz Serdar, Gunlemez Ayla, Yilmaz Civan Mihriban	681
14:10	ESTROGEN DISRUPTING EFFECT AND ECOLOGICAL RISK ASSESSMENT OF PHCZS BY MULTI-MODEL	Ji Chenyang, Zhao Meirong	333
14:30	ASSESSING THE CYTOTOXICITY AND GENOTOXICITY OF CHEMICAL COMPONENTS IN FINE PARTICULATE MATTERS (PM2.5) FROM DIFFERENT AREAS IN TAIWAN	Huang WX, Tsai PC, Ngo TH, Wu CP, Ueng YF, Chi KH	437
14:50	Coffee Break		
15:10	THE EFFECTS OF PRENATAL PERSISTENT ORGANIC POLLUTANT EXPOSURE ON BEHAVIOURAL PROBLEMS IN PUBERTY	Schilte CFM, Bos AF, Sauer PJJ, Berghuis SA	507
15:30	A REALISTIC MIXTURE OF PERSISTENT ORGANIC POLLUTANTS (POPS) REVEALS POSSIBLE SYNERGISM TO INHIBIT THE TRANSACTIVATION ACTIVITY OF THE ARYL HYDROCARBON RECEPTOR (AhR) IN VITRO	Doan Thi-Que , Muller Marc, Berntsen Hanne Friis , Zimmer Karin , Verhaegen Steven , Ropstad Erik , Connolly Lisa , Scippo Marie-Louise	168
15:50	CELL TYPE DEPENDENT MECHANISM OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) MIXTURES ACTION IN HUMAN PLACENTAL CELLS.	Drwal Eliza, Rak Agnieszka , Gregoraszczyk Ewa	94
16:10	Awards and Closing Ceremony Chair:	Professor Michael Denison Paweł Jarosiewicz	
16:30	End of Symposium		

Poster Session

Time	#	Title	Authors	Ab#
12:50-13:20	P-1	TRANSFORMATION OF CHLORINATED PARAFFINS TO CHLORINATED OLEFINS DURING METAL DRILLING	Schinkel Lena, Knobloch Marco, Lienemann Peter, Bogdal Christian, McNeill Kristopher, Heeb Norbert	24
12:50-13:20	P-2	POLYCHLORINATED BIPHENYLS AND ORGANOCHLORINE PESTICIDES IN FEATHERS OF PYGOSCELIS ANTARCTICA	Souza Juliana, Cunha Larissa, Costa Erli, Torres João Paulo	666
12:50-13:20	P-3	PERSISTENT ORGANIC POLLUTANTS IN IRISH LANDFILLS: A NATIONWIDE ASSESSMENT OF BFRS AND PFAS	Sharkey Martin, Drage Daniel, Harrad Stuart, Berresheim Harald	436
12:50-13:20	P-4	THE FIELD SCALE EVALUATION OF UPTAKE OF PFAS FROM RICE PADDIES TO RICE PLANT IN SOUTH KOREA	Kim Hyerin, Kim Da-Hye, Lee Jonghyeon, Kim Dong-Hoon, Oh Jeung-Eun	516
12:50-13:20	P-5	PRELIMINARY STUDIES ON TEMPORAL VARIATIONS OF ANTIBIOTICS IN SEWAGE TREATMENT PLANTS IN SOUTH INDIA	Praveen Kumar Reddy Yerabham, K Balakrishna, Uegaki Ryuichi, Akiba Masato, Guruge K S	481
12:50-13:20	P-6	LDL-CHOLESTEROL IN PFOA-EXPOSED RESIDENTS FROM ARNSBERG, GERMANY - RESULTS OF A COHORT STUDY 2006-2017	Lazar, Filip; Bacher, Sarah; Göen, Thomas; Stiegler, Hugo; Hölzer, Jürgen	329
12:50-13:20	P-7	THE ESTIMATION OF POTENTIAL PCBS TOXICITY IN CATS BY EVALUATING CYP450 EXPRESSIONS	Khidkhan Kraisiri, Mizukawa Hazuki, Ikenaka Yoshinori, Nakayama Shouta M. M. , Nomiya Kei, Takiguchi Mitsuyoshi, Yokoyama Nozomu, Ichii Osamu, Tanabe Shinsuke, Ishizuka Mayumi	154
12:50-13:20	P-8	DEVELOPMENT OF A STATISTICAL METHOD TO ASSESS THE DIETARY LIFETIME EXPOSURE TO PCBS FROM PUNCTUAL MEASUREMENTS	Pruvost--Couvreur Manon, Rivière Gilles, Le Bizec Bruno, Béchaux Camille	78
12:50-13:20	P-9	EFFECT OF DEEP FRYING (WITH A WOK PAN) ON LEVEL OF MERCURY IN MUSHROOMS	Mędyk Małgorzata, Dryżałowska Anna, Wang Yuanzong , Zhang Ji, Falandysz Jerzy	1
12:50-13:20	P-10	MERCURY CONTAMINATION LEVELS AND DISTRIBUTION IN SCLEROTIA OF WOLFIPORIA COCOS (F.A. WOLF) RYVARDEN & GILB	Saba Martyna, Wang Yuanzong, Zhang Ji, Falandysz Jerzy	3

