
PROGRAMME

4th International Congress on Occupational & Environmental
Toxicology 2018

24 - 26 October 2018 | Matosinhos - Porto | Portugal

4th International Congress on Occupational &
Environmental Toxicology 2018

PROGRAMME

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Programme at a Glance

Wednesday, October 24th, 2018

		ROOM PORTO LEIXÕES	ROOM BOMBORDO
10.00	Congress Registration	Opening Ceremony	
10.30		Keynote Lecture	
11.00		Coffee-break & Poster Session 1*	
11.45		S1: Susceptible Populations	S1: <i>In vitro</i> and <i>in vivo</i> Testing
12.05			
12.20			
12.35			
12.50			
13.05			
13.20		Lunch	
14.25		Keynote Lecture	
15.10		S2: Nanotoxicology	S2: Ecotoxicology
15.25			
15.40			
15.55			
16.10			
16.25			
17.00		ICOETox Career Award 2018	
17.15		Welcome Reception	

*Room Porto Leixões

Programme at a Glance

Thursday, October 25th, 2018

	ROOM PORTO LEIXÕES	ROOM BOMBORDO
09.25	Keynote Lecture	
10.10	S3: Genetic Toxicology	S3: Air Quality
10.30		
10.45		
11.10	Coffee-break & Poster Session 2*	
11.55	S3: Genetic Toxicology (cont.)	S3: Air Quality (cont.)
12.15		
12.30		
12.45		
13.10	Lunch	
14.15	Keynote Lecture	
14.45	S4: Environmental Exposures	
15.05		
15.25	Coffee-break & Poster Session 3*	
16.15	Round Table	
18.00		
20.00	Congress Dinner	

*Room Porto Leixões

Programme at a Glance

Friday, October 26th, 2018

		ROOM PORTO LEIXÕES	ROOM BOMBORDO
09.00	Congress registration	Keynote Lecture	
09.40		S5: Occupational Toxicology	S5: Contaminants
10.00			
10.15			
10.30			
10.45			
11.15		S5: Occupational Toxicology (cont.)	S5: Contaminants (cont.)
11.30			
11.45			
12.00			
12.15	Closing Ceremony & Awards Presentation		
13.00			

Detailed Programme

Wednesday, October 24th, 2018

08.00-17.00 Congress Registration

ROOM PORTO LEIXÕES

10.00-10.30 **OPENING CEREMONY**
Secretary of State of Health (tbc)
Matosinhos City Council President, **Prof. Dra. Luísa Salgueiro**
President of National Institute of Health Dr. Ricardo Jorge, **Dr. Fernando de Almeida**
President of Institute of Public Health of the University of Porto, **Prof. Dr. Henrique Barros**
Executive Board of National Institute of Health Dr. Ricardo Jorge, **Dr. José Maria Albuquerque**
Congress Chair, **Prof. Dr. João Paulo Teixeira**

10.30-11.00 **Keynote Lecture**
The Monographs Programme of the International Agency for Research on Cancer (IARC)
Kathryn (Kate) Z. Guyton, France

11.00-11.45 Coffee-break & Poster Session 1

Session SUSCEPTIBLE POPULATIONS

Chair: Mirta Milic, Croatia

11.45-12.05 **Searching for neuroimmune biomarkers of frailty in older adults**
Blanca Laffon, Spain

12.05-12.20 Relationship between frailty syndrome, biomarkers and environmental factors – a pilot study
Armanda Gomes, Portugal

12.20-12.35 Tobacco smoke exposure among pregnant women: urinary cotinine as storytelling
Ana Inês Silva, Portugal

12.35-12.50 Risk assessment of methylmercury in pregnant women and newborns from Madeira (Portugal)
Cristina Carvalho, Portugal

12.50-13.05 Radiation toxicity and risk assessment during superficial radiotherapy treatment of head and neck cancer patients
Diana Adliene, Lithuania

13.05-13.20 Individual's DNA repair variations for increased personal health risk and poor response to therapy
William Au, USA

13.20-14.25	Lunch
14.25-14.55	Keynote Lecture Linking exposure to dose in <i>in vitro</i> and <i>in vivo</i> aerosol toxicity studies: choosing the right metric Flemming Cassee, The Netherlands
Session NANOTOXICOLOGY	
Chair: Flemming Cassee, The Netherlands	
15.10-15.30	High throughput toxicity screening of nanomaterials Andrew Collins, Norway
15.30-15.45	<i>In vitro</i> toxicity assessment of engineered nanoparticles used in the ceramic industry Maria João Bessa, Portugal
15.45-16.00	Toxicity of different classes of manufactured nanomaterials in rat alveolar epithelial RLE-6TN cells Fátima Brandão, Portugal
16.00-16.15	Reproductive and developmental toxicity caused by gold nanoparticles on the biological model <i>Daphnia magna</i> Alexandre Pacheco, Portugal
16.15-16.30	Nickel oxide nanoparticles induce toxicity in yeasts via oxidative stress Cátia A. Sousa, Portugal
16.30-16.45	Defining nanomaterial risk profiles within the printed electronics industry Christa Schimpel, Austria
17.00	ICOETox Career Award 2018
17.15	Welcome Reception

ROOM BOMBORDO

Session *IN VITRO* AND *IN VIVO* TOXICOLOGY

Chair: Kathryn (Kate) Z. Guyton, France

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| 11.45-12.05 | Alternative <i>in vitro</i> systems in toxicology: usefulness of 3D hepatic models
Joana Miranda, Portugal |
| 12.05-12.20 | Renal proximal tubule epithelial cell line TH1 as a tool to study the toxicity of xenobiotics
Monika Sramkova, Slovakia |
| 12.20-12.35 | Cytotoxic activity of fucosterol, alone and in combination with 5-fluorouracil in colon cells
Alice Ramos, Portugal |
| 12.35-12.50 | Are cellulose nanofibrils safe for biomedical applications?
Madalena Vilar, Portugal |
| 12.50-13.05 | Evaluation of genotoxic parameters in melatonin supplemented old mice
Vanessa Moraes de Andrade, Brazil |
| 13.05-13.20 | Respiratory hazard of Li-ion battery components: Elective toxicity of LiCoO ₂ particles
Violaine Sironval, Belgium |
| 13.20-14.25 | Lunch |
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Session ECOTOXICOLOGY

Chair: Lúcia Guilhermino, Portugal

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| 15.10-15.30 | Plant comet assay in environmental studies: uses, limits and perspectives
Bertrand Pourrut, France |
| 15.30-15.45 | Toxic effects of erythromycin to freshwater and marine microalgae
Manuela D. Machado, Portugal |
| 15.45-16.00 | Biological effects on non-target organisms in the application of essential oils as natural fungicides
Miriam Zanellato, Italy |
| 16.00-16.15 | Mussels as host and biological indicators of the anthroozoonotic waterborne parasites
Caroline Ajonina, Germany |
| 16.15-16.30 | Phytoremediation studies: comparison between <i>in situ</i> and <i>ex situ</i> experiment results
Giulia Bastia, France |
| 16.30-16.45 | <i>Prodiamesa olivacea</i> , a novel non-model organism for ecotoxicity studies in natural scenarios
Lola Llorente, Spain |
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Detailed Programme

Thursday, October 25th, 2018

08.30-16.15 Congress Registration

ROOM PORTO LEIXÕES

09.25-09.55 **Keynote Lecture**
Oxidative DNA Damage and DNA Repair, and Applications in Environmental Toxicology
Miral Dizdaroglu, USA

Session GENETIC TOXICOLOGY

Chair: Miral Dizdaroglu, USA

10.10-10.30 **Studying DNA repair using the comet assay: novel applications and future challenges**
Sabine Langie, Belgium

10.30-10.45 The FPG-modified comet assay: protocols in use, critical points and recommendations
Amaya Azqueta, Spain

10.45-11.05 **Oxidatively-induced DNA damage as bioindicator for environmental genotoxicity**
Pawel Jaruga, USA

11.10-11.55 Coffee-break & Poster Session 2

Session GENETIC TOXICOLOGY (cont.)

Chair: Sabine Langie, Belgium

11.55-12.15 **Obesity, weight loss, and DNA damage**
Helga Stopper, Germany

12.15-12.30 Isolation of leukocytes from buffy coat for comet assay analysis of DNA damage
Sergey Shaposhnikov, Norway

12.30-12.45 Temporal and spatial analyses of DNA replication with relation to DNA damage in plants
Jolanta Kwasniewska, Poland

12.45-13.05 **Genotoxic properties of natural & synthetic cannabinoids. Are some of these compounds carcinogenic?**
Siegfried Knasmüller, Austria

13.10-14.15 Lunch

14.15-14.45 **Keynote Lecture**
Exposome paradigm in toxicological research for public health protection and innovation
Dimosthenis Sarigiannis, Greece

Session ENVIRONMENTAL EXPOSURES

Chair: João Paulo Teixeira, Portugal

14.45-15.05 **How to improve diagnosis, monitoring and prevention of exposure related noncommunicable diseases: DiMoPEX action**
Lygia Therese Budnik, Germany

15.05-15.25 **Infant leukemia and maternal exposures during pregnancy**
Ludwine Casteleyn, Belgium

15.25-16.15 Coffee-break & Poster Session 3

16.15-18.00 **Round Table “From environmental exposures to disease: Facing current challenges”**
Moderator: Félix Carvalho, Portugal
Invited Experts: Dimosthenis Sarigiannis, Greece; Ludwine Casteleyn, Belgium; Sam Kacew, Canada

20.00 **Congress Dinner**

ROOM BOMBORDO

Session AIR QUALITY

Chair: Simone Morais, Portugal

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| 10.10-10.25 | The effect of air pollution on human fat cells
Lior Hassan, Israel |
| 10.25-10.40 | Short- and long-term human exposure to coarse and fine particles in the industrial and urban area of Sines, Portugal
Sofia Augusto, Portugal |
| 10.40-10.55 | Construction of passive samplers for pollution monitoring in Africa
Ana Paula Oliveira, Portugal |
| 10.55-11.10 | Suitability of <i>Usnea rubicunda</i> as biomonitor of volcanogenic air pollution on hydrothermal areas
Filipe Bernardo, Portugal |
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| 11.10-11.55 | Coffee-break & Poster Session 2 |
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Session AIR QUALITY (cont.)

Chair: Sam Kacew, Canada

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| 11.55-12.10 | Evaluating the success of EU Air Quality Directive: mapping impacts at the ecosystem level
Helena Cristina Serrano, Portugal |
| 12.10-12.25 | Environmental particulate matter exposure during forest fires: a public health concern?
Marta Oliveira, Portugal |
| 12.25-12.40 | Ultrafine particles and the impacts of exercising
Klara Slezakova, Portugal |
| 12.40-12.55 | Assessment of the dynamics of exposure to air trihalomethanes in an indoor olympic size swimming pool
Zenaida Mourão, Portugal |
| 12.55-13.10 | Assessment of indoor air quality parameters in healthcare units
Nelson Barros, Portugal |
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Detailed Programme

Friday, October 26th, 2018

08.30-12.15 Congress Registration

ROOM PORTO LEIXÕES

09.00-09.30 **Keynote Lecture**
Absorbed dose from dermal exposure in real-life pesticide studies: Time to leave the fixed fractional approach behind?
Claudio Colosio, Italy

Session OCCUPATIONAL TOXICOLOGY

Chair: Claudio Colosio, Italy

09.40-10.00 **Changes in oxidative stress parameters of welding workers**
Nursen Basaran, Turkey

10.00-10.15 Use of exfoliated nasal cells for the detection of genotoxic and acute cytotoxic effects caused by inhalative occupational exposures
Georg Wultsch, Austria

10.15-10.30 The impact of genetic polymorphisms on lead (Pb) toxicokinetics and biomarkers of oxidative stress
Willian R. Gomes, Brazil

10.30-10.45 Human biomonitoring on co-exposure to styrene and xylene – assessment of genotoxic effects
Carina Ladeira, Portugal

10.45-11.15 Coffee-break

Session OCCUPATIONAL TOXICOLOGY (cont.)

Chair: Blanca Laffon, Spain

11.15-11.30 Exposure assessment to toluene in a chemical industry- complementary between air monitoring and biomonitoring data
Miguel Barros, Portugal

11.30-11.45 Professional exposure to nanoparticles in the manufacture of parts by laser welding
João Gomes, Portugal

11.45-12.00 Occupational exposure to metals fumes in metalworking industry: a comparative study between welders and indirect exposed workers
Matilde M. Rodrigues, Portugal

12.00-12.15 Occupational diseases caused by exposure to chemical agents in a university hospital
Diana França, Portugal

12.15-13.00 **CLOSING CEREMONY & AWARDS PRESENTATION**

ROOM BOMBORDO

Session CONTAMINANTS

Chair: Helga Stopper, Germany

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| 09.40-10.00 | Advanced data mining approaches in the assessment of urinary concentrations of bisphenols, chlorophenols, parabens, and benzophenones in Brazilian children and their association with DNA damage
Fernando Barbosa Jr., Brazil |
| 10.00-10.15 | Influence of domestic cooking and herbs addition on the exposure to multi-mycotoxins from chicken meat
M. Madalena C. Sobral, Portugal |
| 10.15-10.30 | Neuronal central acting medicines in surface water: a comparison of its prospective/retrospective exposure assessment
Joana Freitas, Portugal |
| 10.30-10.45 | Predicting the environmental exposure to cytostatics in Portugal and the associated risks
Mónica S. F. Santos, Portugal |
| 10.45-11.15 | Coffee-break |

Session CONTAMINANTS (cont.)

Chair: Fernando Barbosa Jr, Brazil

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| 11.15-11.30 | Levels of BTEX, PCBs and metals in atmospheric air, household dust, and tap water in a condominium exposed to industrial waste from a steelworks
Fátima R. Moreira, Brazil |
| 11.30-11.45 | Accumulation of potentially harmful elements in soils and gramineas surrounding an industrial emission source (Estarreja, Portugal)
Cláudia Coelho, France |
| 11.45-12.00 | Effects of environmental exposure to microplastics on human health
Joana C. Prata, Portugal |
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Poster Session 1 (Room Porto Leixões)

- P 1 Video strategy for promotion of knowledge in environmental health in motherhood
Marcos Rabelo, Brazil
- P 2 Strategies and challenges in the loyalty of participants of the project childhood and environmental pollutants, Rio de Janeiro, Brazil
Thatiana Fernandes, Brazil
- P 3 Assessment of selenium levels and selenoproteins activity in blood and plasma of pregnant women from Madeira Island (Portugal)
Cristina Carvalho, Portugal
- P 4 The importance of socioeconomic status in tobacco use and secondhand exposure to smoke among pregnant women
Alexandra Camelo, Portugal
- P 5 Evaluation of immune biomarkers and frailty status in a group of older adults
Armanda Gomes, Portugal
- P 6 DESINFAST-Creating self-disinfecting surfaces
Micaela Machado Querido, Portugal
- P 7 The management of public security in transit offenses involving drug abuse
José Aglair Barbosa de Freitas Junior, Brazil
- P 8 Geophagy during gestation and its potential health impacts: case study in Onangama village, northern Namibia
Carla Candeias, Portugal
- P 9 Cytotoxicity of silica-coated iron oxide nanoparticles in human astrocytes
Vanessa Valdiglesias, Spain
- P 10 Occupational exposure to nanoparticles in the ceramic industry
João Gomes, Portugal
- P 11 Impact of nickel oxide nanoparticles on yeast physiology
Cátia A. Sousa, Portugal
- P 12 Influence of silver nanoparticles on the epithelial-mesenchymal transition on MDA-MB-436 cells
Magdalena Matysiak-Kucharek, Poland
- P 13 Study of genotoxicity of TiO₂ nanoparticles in four different cells lines (A549, A172, SHSY5Y and HepG2)
Fátima Brandão, Portugal
- P 14 Toxicity of low density polyethylene microplastics to the biological model *Daphnia magna*
Alexandre Pacheco, Portugal
- P 15 Environmental risk evaluation of pollutants transfer from anthroposoils to plants
Cláudia Coelho, France

- P 16 Toxicity evaluation of anticancer drugs in the aquatic environment
Maria Beatriz Cristóvão, Portugal
- P 17 Is bee pollen safe from mycotoxicological perspective?
Iwona Attyń, Poland
- P 18 Heavy metals bioaccumulation in fish and some invertebrate species from Black and Marmara seas of Turkey
Nuray (Emir) Akbulut, Turkey
- P 19 Effects of field-collected sediments exposure on the health status of *Chironomus riparius*
Rosario Planelló, Spain
- P 20 Comparative ecotoxicity assessment of ampicillin based ionic liquid towards microalgae *Chlorella vulgaris*
Elisabete Pacheco, Portugal
- P 21 Ecotoxicity assessment of cetylpyridinium chloride and n-2-hidroxyethyl-n-imidazolium chloride towards aquatic and terrestrial organisms
Elisabete Pacheco, Portugal
- P 22 Sensitivity of the fronds growth of the aquatic macrophyte *Lemna* to formaldehyde
Piedade Barros, Portugal
- P 23 Phytotoxicity of carbamazepine to *Lactuca sativa* and *Triticum sp* seeds
Piedade Barros, Portugal
- P 24 Toxicity of cyanotoxin-microplastics mixtures in *Daphnia magna*
Pedro Cruz, Portugal
- P 25 Ecotoxicological effects of haloacetic acids in *Daphnia magna*
Catarina Mansilha, Portugal
- P 26 Genotoxicity risk assessment in fish (*Rutilus rutilus*) from rivers Drenica and Sitnica in the Kosovo
Fisnik H. Asllani, Kosovo
- P 27 Neurotoxicity and oxidative stress induced by microplastics and other pollutants on fish – implications to human health, food safety and food security
Lúcia Guilhermino, Portugal
- P 28 Assessment of the cytotoxicity and genotoxicity of selected tyrosine kinase inhibitors in fish cells
Matjaž Novak, Slovenia

Poster Session 2 (Room Porto Leixões)

- P 29 Cytotoxic activity of preussin isolated from marine fungus *Aspergillus candidus* in breast cancer cell lines
Alice Ramos, Portugal
- P 30 *In vitro* toxicological potential of the extracts of *Acmella oleracea* (L.) RK Jansen
Ana Valeria de Moraes, Brazil
- P 31 Effect of DLC films on viability and genotoxicity in A172 human glioblastoma
Newton S. da Silva, Brazil
- P 32 *In vitro* exposure to the next-generation plasticizer DINCH[®]: cytotoxicity and genotoxicity assessment in human cells
Ana Luísa Vasconcelos, Portugal
- P 33 Effects of phenolic compounds from *Prunus avium* leaves in Caco-2 cells against *t*-BHP-induced toxicity
Ana R. Nunes, Portugal
- P 34 Effects of sweet cherry phenolics on human colon adenocarcinoma Caco-2 cells
Ana C. Gonçalves, Portugal
- P 35 Cytotoxicity assessment of functional coatings for controlled degradation of magnesium alloys
Sónia Fraga, Portugal
- P 36 *In vitro* genotoxicity assessment of a dextrin-based hydrogel for biomedical applications
Isabel Pereira, Portugal
- P 37 *In vivo* biocompatibility and safety assessment of a dextrin-based hydrogel for biomedical applications
Isabel Pereira, Portugal
- P 38 *In vitro* skin irritation assessment of plant extracts
Ana Sofia Agonia, Portugal
- P 39 *In vitro* eye irritation assessment of plant extracts
Ana Sofia Agonia, Portugal
- P 40 Chlorpyrifos impact on adipocyte hyperplasia and hypertrophy: study on 3T3-L1 model
Magdalena Czajka, Poland
- P 41 Genetic damage, cholinesterase and unconnected oxidative stress in glyphosate exposed Wistar rats
Mirta Milic, Croatia
- P 42 Transcriptional alterations of genetic markers in medaka (*Oryzias latipes*) exposed to bisphenol S
Lola Llorente, Spain
- P 43 Cardiovascular effects of noise exposure from an epigenetic perspective
Carlos Carvalhais, Portugal

- P 44 Evaluation of adrenaline-induced DNA damage *in vitro* by comet assay
Dijana Topalović, Serbia
- P 45 The effect of demographic and lifestyle factors on DNA damage among swimming pool users
Filipa Esteves, Portugal
- P 46 The importance of comet assay data normalization for biomonitoring studies outcomes
Raquel Amaro, Portugal
- P 47 Organic dust exposure in bakeries - assessment of genotoxic effects
Carina Ladeira, Portugal
- P 48 Interlaboratory evaluation of the genotoxic properties of pencycuron, a commonly used phenylurea fungicide
Karoly Nagy, Hungary
- P 49 Bioburden characterization in Portuguese dwellings
Carla Viegas, Portugal
- P 50 Azole resistant mycobiota in indoor environments – what implications for public health?
Liliana Aranha Caetano, Portugal
- P 51 Molecular characterization and antifungal susceptibility of *Aspergillus* collected in indoor settings
Liliana Aranha Caetano, Portugal
- P 52 Bioburden characterization by active and passive methods in Portuguese dwellings
Carla Viegas, Portugal
- P 53 Health perspectives on air quality assessment: results of FUTURAR project
Solange Costa, Portugal
- P 54 Air pollution and health: an approach for Portugal
Ana Mendes, Portugal
- P 55 Environmental and biological monitoring of benzene exposure in residents near gas stations
Nelson Barros, Portugal
- P 56 Effectiveness of chemical elements accumulated in leaves to identify the air pollution sources
Regiani Carvalho-Oliveira, Brazil
- P 57 Air quality in Portuguese primary schools: PM₁₀ and PM_{2.5}
Klara Slezakova, Portugal
- P 58 Active and passive air sampling techniques as tools for health risk assessment of PAHs in Novi Sad, Serbia
Maja Petrovic, Serbia
- P 59 Estimating exposure at individual-level to health-relevant compounds among pregnant women based on indoor and outdoor monitoring
Joana Madureira, Portugal

- P 60 | Indoor airborne endotoxins levels in Portuguese primary schools
Lívia Aguiar, Portugal
- P 61 | Major indoor air pollutants: do we work in a healthy environment?
Carla Valongo, Portugal

Poster Session 3 (Room Porto Leixões)

- P 62 Noise exposure and cardiovascular disease: a protocol for a systematic review
Carlos Carvalhais, Portugal
- P 63 Bioburden and mycotoxigenic burden in one Portuguese dairy – exploratory study
Susana Viegas, Portugal
- P 64 Occupational exposure to mycotoxins - current knowledge and prospects
Susana Viegas, Portugal
- P 65 Occupational co-exposure to solvents – the case of styrene and xylene
Márcia Meneses, Portugal
- P 66 Diagnostic value of microRNAs as predictive markers for asbestos exposure and malignant pleural mesothelioma
Priscilla Boccia, Italy
- P 67 Occupational exposure to formaldehyde in pathology laboratories
Ana Filipa Pires, Portugal
- P 68 Grill workers' exposure to particulate matter and gaseous pollutants
Simone Morais, Portugal
- P 69 Perception of health professionals on hospital waste risk
Beatriz Edra, Portugal
- P 70 Hairdressers are exposed to high concentrations of formaldehyde during the hair straightening procedure
Marcelo Eduardo Pexe, Brazil
- P 71 Perceived health symptoms related to occupational exposure to chemical agents in healthcare workers
Diana França, Portugal
- P 72 Endotoxin levels in forklift's filters and the importance of maintenance enforcement
Bruna Lage, Portugal
- P 73 Occupational regulation for benzene: an approach on risk and occupational exposure
Leiliane Coelho André, Brazil
- P 74 Biomonitoring of non-occupationally exposed to benzene among individuals from the Barão de Mauá housing complex in Mauá city – metropolitan region of São Paulo, Brazil
Leiliane Coelho André, Brazil
- P 75 Occupational exposure to biological agents in wastewater treatment plants
Manuela Cano, Portugal
- P 76 Prevalence of occupational allergic diseases in workers involved in animal production
Vanessa Mateus, Portugal
- P 77 Biological monitoring with biomarkers of exposure, effect and susceptibility for metals and PCBs in individuals environmentally exposed to industrial waste in Brazil

- Fátima R. Moreira, Brazil*
- P 78 Capability of the urinary porphyrins profile to assess different metal exposure contexts - a preliminary study
Vanda Lopes de Andrade, Portugal
- P 79 *In vitro* toxicity of isolated and combined mycotoxins on Caco-2 and HepG2 cell lines
M. Madalena C. Sobral, Portugal
- P 80 Quantification of metals in alcoholic and non-alcoholic drinks most consumed in Portugal
Luísa Mateus, Portugal
- P 81 Impact of professional cleaning agent used in fish-canning industry in wastewater treatment
Vânia Ferreira, Portugal
- P 82 Occupational exposure to antineoplastic drugs in veterinary practice
Ana Costa-Veiga, Portugal
- P 83 Ambulatory oncology therapy: impact on public health and environment
Ana Costa-Veiga, Portugal
- P 84 Bioaccumulation of toxic metals in edible vegetables: a controlled risk assessment study using irrigation waters enriched in metals
Ana Paula Oliveira, Portugal
- P 85 The role of occupational and environmental endocrine disrupting chemicals in breast cancer – preliminary results
Socaciu Andreea, Romania
- P 86 Exposure and human health assessment of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and related compounds: horizontal profile of the Danube, Serbia
Maja Petrovic, Serbia
- P 87 Exposure to mercury, glycemic and lipidic profile in Riparian communities in the Pará
Maria da Conceição Nascimento Pinheiro, Brazil