

14TH EuCheMS INTERNATIONAL CONFERENCE ON CHEMISTRY AND THE ENVIRONMENT

Poster Communications including the presenting author

Atmospheric Chemistry and Aerosols

- PA1 **M. Aragón**, Determination of N-nitrosamines and nicotine in particulate matter from air samples by pressurised liquid extraction and gas chromatography-ion trap tandem mass spectrometry
- PA2 **M. Alier**, Comparison of water-soluble organic tracer compounds in fine aerosols in two cities: Los Angeles and Barcelona
- PA3 **M. Chropenova**, The using of pine needles for long-term monitoring of air pollution
- PA4 **S. Dumala**, The survey for tin in dust samples from apartments in Lublin area, Poland
- PA5 **M. Dudzinska**, Heavy metals in settled dust from educational institutions, Poland
- PA6 **V. Esteve-Cano**, Trends of heavy metals levels in PM10 and PM2.5 in an industrialized area
- PA7 **H. Fromme**, Organophosphate flame retardants in air and dust of German daycare centers and metabolite levels in urine (LUPE 3)
- PA8 **M. Godinho**, Reduction, evaluation and monitoring of chemical waste in power transformers insulation systems by multivariate image analysis and chemometrics
- PA9 **T. Jankowski**, Investigation of contaminants filtration in metal fluid environments - laboratory evaluations
- PA10 **J. Lee**, Trace elements in ambient fine particles using CCT-ICP-MS in an urban area of Korea
- PA11 **M. Mulder**, Legacy POPs and polybrominated diphenylethers in the central and eastern Mediterranean – levels in ambient air and gas-particle partitioning
- PA12 **L. Morselli**, Cor-Ten exposed to a urban-coastal environment: preliminary study on metal release
- PA13 **N. Ratola**, Comprehensive evaluation of the patterns of air pollution by PAHs over Europe by combining modelling and observational data under a climatic perspective
- PA14 **W. Sayre**, The atmospheric chemistry of three common gases
- PA15 **D. Adamovic**, Formaldehyde in ambient air of anatomy laboratory
- PA16 **D. Dordevic**, The sea salts contribution on inorganic ions in wet deposition of the central Balkans
- PA17 **C. Coscolla**, Size distribution of particle-bound Currently Used Pesticides in the ambient air of a rural station in Centre Region (France)
- PA18 **N. Fakhre**, Determination of iron (ii), iron (iii) and total iron in some β -thalassemia patients using different analytical techniques
- PA19 **R. Ladji**, Particle size distribution of n-alkanes and polycyclic aromatic hydrocarbons (pahs) in urban aerosol of algers, algeria
- PA20 **M. Mendez**, Reactivity of chlorine radical on palmitic acid particles: kinetic measurements and products identification
- PA21 **C. Oliveira**, Comparison of two atmospheric aerosol samplers
- PA22 **C. Oliveira**, Characterization of water-soluble ions in particulate matter measured in a traffic station and an Industrial area at Setubal, Portugal
- PA23 **M. Paládi**, Determination of CO₂-emission in the case of country houses heated by firewood
- PA24 **M. Perrone**, Investigating the chemical components of aerosol from an urban, a rural and a remote site (North Italy) and their relation with the observed biological responses.
- PA25 **G. Rovelli**, Experimental measurements of particulate matter DRH and CRH for the prevention of corrosion in Data Centers
- PA26 **V. Martins**, Contribution of Barcelona metro train brake pads to atmospheric PMx levels in platforms
- PA27 **E. Tas**, Measurement-based modelling of bromine-induced oxidation of mercury above the Dead Sea
- PA28 **B. Van Drooge**, Environmental Tobacco Smoke (ETS) in the outdoor urban area of Barcelona
- PA29 **E. Borrás**, Chemical composition of organic atmospheric particulate matter in the Mediterranean Area
- PA30 **A. Akachaf**, HPLC Analysis of isocyanate aerosol in workplace
- PA31 **G. de Gennaro**, Time-resolved measurements of Particulate Matter ionic fraction: comparison between South and North Italy
- PA32 **Y. Kim**, A study of the dioxin emission from energy facilities used liquid fuel in Korea
- PA33 **V. Martins**, Passenger exposure to PM while commuting in the Barcelona metro

- PA34 **A. Alastuey**, Indoor and outdoor levels and composition of air pollutants in primary schools in Barcelona
- PA35 **M. Tutino**, Monitoring of nitro-PAHs in Taranto (southern Italy)
- PA36 **R. Cucciniello**, NO_x uptake on Ca-based absorbents
- PA37 **A. Tolloi**, Aerosol studies in the Karst of Trieste (Italy)
- PA38 **M. Chropenova**, MONAIRNET - Monitoring network for persistent organic pollutants in ambient air of Czech Republic - Austria region
- PA39 **D. Voutsas**, Study of aldehydes in rainwater of the urban atmosphere.

Green and Sustainable Industrial Chemistry

- PG1 **J. Fieger**, Usefulness of chaotropic effect and perturbation technique in determination of ionic liquid (IL) ions in environmental aqueous samples by reversed-phase HPLC with DAD detection
- PG2 **A. Ferreira**, Effect of pickling process in chromium offer for bovine hide tannage
- PG3 **P. Galletti**, New solid acid catalysts from waste biomass: synthesis, properties and application to the obtention of biodiesel from algae and waste oil
- PG4 **Z. Gamze ALP**, Thermal kinetic studies of pva-bentonite nanocomposites
- PG5 **K. Kummerer**, Design of new environmentally benign pharmaceutically active compounds
- PG6 **S. Mosca**, Sampling of 5-ethylidene-2-norbornene in industrial flue gas
- PG7 **P. Piotrowski**, Vanillin-derivatized C₆₀ fullerene SAMs on gold electrode surface as example of green engineering
- PG8 **J. Saltos**, Synthesis, properties and performance of eco-friendly curcumin-derived plasticizers for poly(vinyl chloride)
- PG9 **V. Silva**, Gelatine recovering from wet-blue shavings
- PG10 **B. Asenjo**, Degradation study based in Ultraviolet light test of EVA encapsulant of photovoltaic modules
- PG11 **A. Benkaci**, Characterisation of volatile composition of Curcuma longa rhizome and Carum carvi (with cryogenic grinding) by headspace solid-phase microextraction (HS-SPME) and simultaneous distillation-extraction (SDE) coupled to GC-MS
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- PG22 **F. Bekkar**, A new method of synthesis polyepichlorohydrin telechelic as polymer precursor for synthesis hydrogel hydrosoluble for industrial application
- PG23 **M. Cotto-Maldonado**, Photocatalytic Hydrogen Production by Water Splitting Using ZnCdFeCuS Nanoparticles Under UV-vis Light Irradiation
- PG24 **M. Cotto-maldonado**, Synthesis, Characterization of Au@TiO₂ Nanowires and their Production of Hydrogen by Water Splitting Under UV-vis Light Irradiation
- PG25 **R.-C. Buturca**, Carbon footprint analysis of rapeseed oil production in Romania

Water Pollution and Treatment

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- PW2 **P. Celma**, Recovery study brine used in ion exchange water softeners
- PW3 **E. Cechova**, Determination of estrogens in different types of wastewaters and technologies for their removal
- PW4 **M. Costanza-Robinson**, Influence of Surfactant Loading and Interlayer Arrangement on Contaminant Uptake by HDTMA-Modified Montmorillonite
- PW5 **J. Chae**, Adsorption of Cr(VI) Using Magnetite Nanoparticles
- PW6 **L. Ciriaco**, Anodic oxidation of sanitary landfill leachates at a Ti/Pt/PbO₂ electrode
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- PW8 **D. Drozdzyński**, Seasonal distribution patterns of pesticide contaminants in a river basin subjected to intensive agricultural activities in Wielkopolska (Poland)
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- PW11 **A. Fernandes**, Chemical precipitation and anodic oxidation integrated process to treat sanitary landfill leachates
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- PW14 **A. Gorgulu Ari**, Biosorption of Reactive Red 45 (RR 45) Dye by *Melia azedarach* Biomass: Batch studies
- PW15 **A. Grau-Martinez**, Induced nitrate attenuation in an artificial recharge pilot pond in Sant Vicenç dels Horts, Catalonia
- PW16 **T. Hofmann**, Injection of polyelectrolytes enhances mobility of zero-valent iron nanoparticles in carbonate-rich porous media
- PW17 **M. Heidarkhan Tehrani**, Cloud point extraction of Zinc in biological samples and determination by UV-visible spectrophotometry
- PW18 **M. Heidarkhan Tehrani**, Separation and preconcentration of trace aluminum in biological and water samples using cloud point extraction
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- PW32 **E. Olkowska**, Occurrence of ionic and non-ionic surface active agents in liquid samples collected in regions of varying intensity of anthropopression
- PW33 **A. Papageorgiou**, Occurrence and fate of ozonation by-products in drinking water treatment plant of

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- PW51 **A. Bianco Prevot**, Laboratory simulation of a glucose-induced redox treatment for in-situ remediation of groundwater polluted by hexavalent chromium
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- PW88 **A. Garrido Frenich**, Occurrence of organic contaminants in wastewater treatment plant effluents from the Mediterranean and Atlantic basins of Andalusia (Spain)

Soil and Sediment Pollution, Wastes

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- PS2 **D. Drozdowski**, Evaluation of QuEChERS-based methods for determining pesticides in soil by liquid chromatography/tandem quadrupole mass spectrometry
- PS3 **M. Doumer**, Waste biomass to biochar and bio-oil: conversion of various biomass materials by slow pyrolysis
- PS4 **J. Guadaño**, Environmental remedial activities in the Sardas landfill, Sabiñáigo, Huesca (Spain). The problem of HCH
- PS5 **T. Hofmann**, Evaluating in situ thermal remediation of a chlorinated solvent source zone
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- PS10 **M. Llusar**, Use of exhausted Y-Faujasite from FCC wastes for the removal of heavy metals.
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- PS12 **M. Lao**, Determination of free Zn²⁺ concentration in root extracts of *Hordeum vulgare*
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tiles and glazes.

- PS15 **E. Morillo**, Diuron mineralisation in soil affected by the use of hydroxypropyl- β -cyclodextrin and different amendments.
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- PS22 **R. Sousa**, Analysis of trace pesticide contaminants in deposits from water networks
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- PS26 **N. Docs**, Heavy metals in the floodplain: a case study of the River Tisza, NE Hungary
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- PS28 **M. Jeong**, Residue patterns of Antibiotics in leachate from carcasses
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- PS34 **B. Smolinska**, What do spice plants synthesize in answer to heavy metal stress conditions?
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- PS36 **T. Jeon**, Results of monitoring and strategies for the reduction of household food waste in Korea
- PS37 **T. Jeon**, A Study on Analysis Methods of Heavy Metals and Concentration of Portland Cement in Korea
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- PS44 **G. Bondoux**, Advances in Atmospheric Pressure Gas Chromatography (APGC) for the analysis of persistent organic pollutants (POPs); background and applications.
- PS45 **H. Soares**, Selective leaching of Mo and Ni from spent Ni-Mo catalysts using a two-stage microwave-assisted method
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- PS47 **P. Freitas**, Energy from waste: Using red mud and residual glycerol from biodiesel to produce syngas
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- PS49 **R. Weber**, Securing HCH deposits of a former Lindane production in Aragon (Spain)
- PS50 **R. Reif**, Pesticides distribution in dust with different particle size collected from urban environments
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Emerging Pollutants

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- Colombia by ultra-high performance liquid-chromatography-tandem mass spectrometry
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- PE3 **A. Alder**, Screening for organic micropollutants in the Prut River Basin at the Romanian-Moldavian border
- PE4 **M. Boleda**, Identification of organic compounds migrating from a polymeric material into drinking water
- PE5 **E. Borras**, Particulate matter formation from photochemical degradation of pesticides
- PE6 **E. Bizkarguenaga**, Determination of musks in vegetables and amended soil samples by stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry
- PE7 **E. Bizkarguenaga**, Simultaneous extraction of several polar organic pollutants in vegetables and seafood using focused ultrasonic solid-liquid extraction and different clean-up approaches
- PE8 **D. Bezerra**, Estrogens in suspended particulate matter: a quick, simple and reliable method
- PE9 **E. Cequier**, Determination of emerging and common flame retardants in norwegian serum samples
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- PE11 **R. El-Osmani**, Organochlorine pesticides in akkar plain ground waters in north lebanon
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- PE13 **P. Gramatica**, Hazard Assessment of Emerging Pollutants: QSAR/QSPR models developed in the FP7 European Project CADASTER
- PE14 **A. Garcia-Rodriguez**, A new membrane-based device for the monitoring of sulfamethoxazole in water samples
- PE15 **E. Heath**, Environmental occurrence, fate and transformation of benzodiazepines in water treatment
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- PE19 **P. Karaskova**, Perfluorinated compounds (PFCs) in modern textile materials
- PE20 **I. Krizman**, Occurrence and behaviour of illicit drugs and therapeutic opiates in municipal wastewater treatment
- PE21 **S. Losada**, Presence of halogenated flame retardants in marine biota and sediment samples from the UK
- PE22 **S. Miralles-Cuevas**, Combined nanofiltration and photo-Fenton for treating water containing pollutants at mg L⁻¹ initial concentration in natural water
- PE23 **M. R. de Marchi**, Multivariate optimization on UV filters extraction from natural water
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- PE25 **J. Pellinen**, Screening of emerging environmental contaminants with time-of-flight mass spectrometry
- PE26 **N. Perkola**, Occurrence of artificial sweeteners in finnish rivers and lakes
- PE27 **K. Pakarinen**, Adverse effects of fullerenes (nC₆₀) spiked to sediments on an Oligochaeta, Lumbriculus variegatus
- PE28 **F. Polesel**, Modelling the fate of ciprofloxacin in activated sludge systems – The relevance of the sorption process
- PE29 **J. Quintana**, A novel analytical method for the determination of amphetamines and ecstasy related stimulants from water and urine by solid-phase microextraction combined to gas chromatography-mass spectrometry
- PE30 **J. Richter**, Determination of Tributyltin in whole water samples
- PE31 **Z. Sang**, Photodegradation of artificial sweeteners: degradation products and pathways
- PE32 **I. Rodriguez Pereira**, Matrix solid-phase dispersion followed by gas chromatography quadrupole time-of-flight mass spectrometry (GC-QTOF-MS) for benzotriazole UV absorbers determination in sludge
- PE33 **M. Seifertova**, New method and procedures of determination of alkylphenols in indoor and ambient air
- PE34 **A. Staszowska**, Preliminary assessment of emission of fluorotelomer alcohols from waterproofing impregnation sprays using thermal desorption-gas chromatography-mass spectrometry
- PE35 **L. Vallecillos**, On-line coupling of solid-phase extraction to gas chromatography-mass spectrometry to determine musk fragrances in wastewater
- PE36 **S. Walorczyk**, Combined use of gas and liquid chromatography coupled with tandem mass spectrometry to investigate the presence of pesticides in cases of suspected honeybee poisoning
- PE37 **S. Westrup**, Enrichment free LC-HRAM/MS screening method of anthropogenic sewage pollutants in waste water, receiving, ground and drinking water samples

- PE38 **A. Zafra-Gomez**, Removal of quinolone antibiotics from wastewaters by sorption and biological degradation in laboratory-scale membrane bioreactors
- PE39 **A. Zafra-Gomez**, UPLC-MS/MS method for the determination of parabens in compost from sewage sludge. Comparison of the efficiency of two extraction techniques
- PE40 **L. Barritaud**, Biological Tools to Optimize Treatment Technologies to Remove Micropollutants and Endocrine Disrupters (BIOTTOPE).
- PE41 **G. Bolívar-Subirats**, UHPLC-MS/MS for the quantification of plasticizers in water samples and beverages
- PE42 **M. Ferhat**, Air pollution modelling in complex terrain: the south Algeria case regional-scale study
- PE43 **P. Freixas**, Assessment of pesticide exposure in general population from Catalonia
- PE44 **A. Guart**, Migration of plasticizers from Tritan™ and polycarbonate bottles and toxicological evaluation
- PE45 **C. Gómez-Canela**, Liquid chromatography coupled to tandem mass spectrometry and Orbitrap mass spectrometry as analytical tools to characterize multi-class cytostatic compounds
- PE46 **J. Koponen**, Improved analytical tool for epidemiological studies and biomonitoring - simultaneous determination of PFAS and POPs from a low volume human serum samples
- PE47 **K. Leung**, Probing the environmental fate of artificial sweeteners: occurrence and toxicity study
- PE48 **I. Mihajlovic**, Assessment of air-soil exchange of chlorinated organophosphate flame retardants (OFR)
- PE49 **R. Moreno-Gonzalez**, Seasonal input of pharmaceuticals through surface waters to a Mediterranean coastal lagoon (Mar Menor SE SPAIN)
- PE50 **R. Moreno-Gonzalez**, Seasonal occurrence and distribution of pharmaceuticals in surface waters from littoral watercourses
- PE51 **C. Postigo**, Occurrence and toxicity of haloacetaldehydes in drinking waters: first evidence of iodoacetaldehyde as a water disinfection byproduct.
- PE52 **I. Russkikh**, Determination of pharmaceuticals in waterbodies of North-Western Russia
- PE53 **O. Ros**, Determination of persistent and emerging organic contaminants and their metabolites in fish bile
- PE54 **O. Ros**, Assessment of commercially available low-cost polymeric materials for sorptive extraction of priority and emerging non-polar organic pollutants in environmental water samples
- PE55 **L. SuYeong**, Study on analysis method and contents of Carbamate in children's products
- PE56 **R. Rodil**, Matrix solid-phase dispersion extraction of halogenated flame retardants from mollusk samples
- PE57 **R. Rodil**, Low and high resolution liquid chromatography-mass spectrometry determination of ethyl sulfate in wastewater for alcohol consumption tracing
- PE58 **M. Beser**, Design of experiment approach (DOE) for the optimization of polybrominated diphenyl ethers (pbdes) determination in fine airborne particulate matter (pm 2.5) by microwave-assisted extraction and GC-MS/MS
- PE59 **J. Podlipsky-Sanchez**, Biomonitoring of polybrominated diphenyl ethers and polychlorinated biphenyls in fishes of Lake Constance, Germany
- PE60 **A. Muñoz**, Measurements of selected pesticides in ambient air in the Valencia Region
- PE61 **G. Bondoux**, Detection, identification and structural elucidation of unknown contaminants during a routine non targeted screening of river water samples using a new scientific information system.
- PE62 **G. Pojana**, From basic to advanced characterization of engineered nanoparticles (NPs): the Nanotest project
- PE63 **L. Ferrando-Climent**, Incidence of chemotherapy drugs in the aquatic environment and their elimination by non conventional wastewater treatment by *Trametes Versicolor*.
- PE64 **R. Reif**, Economic valuation of polishing WWTP effluents using ozonation to enhance PPCPs removal: environmental benefits
- PE65 **R. Bade**, Modern analytical methodology based on UHPLC-MS/MS for the sensitive determination of illicit drugs in urban wastewaters with emphasis in amphetamine and derivatives
- PE66 **W. Civil**, Routine 'Trace level screening' for a broad range of volatile and semi-volatile organic pollutants in a range of Environmental waters using 'full scan' GC-MS with a 950 compound target screening database and deconvolution software.

Modelling, Management and Risk Assessment

- PM1 **I. Antunes**, Spatial vulnerability assessment and stochastic modelling of groundwater contamination in a transboundary watershed
- PM2 **F. Bonvin**, Micropollutant dynamics in vity bay- a coupled photolysis-hydrodynamic model to assess the spatial extent of ecotoxicological risk
- PM3 **A. Buser**, Emissions of cyclic volatile methylsiloxanes and polychlorinated biphenyls from Zurich, Switzerland
- PM4 **N. Collado**, Evaluating partial nitrification capability to degrade sulfamethoxazole and their greenhouse gases emissions
- PM5 **M. Cladiere**, Determination of in-situ biodegradation rate constants of nonylphenolic compounds in the Seine River
- PM6 **J. Goldfarb**, Assessing vapor pressure models of PAC mixtures
- PM7 **G. Lamme**, Evidence of the return of past organic pollution in the ocean – a model study
- PM8 **R. López-Roldán**, Prediction of water sources contribution in Barcelona supply system by real time UV-Vis spectrophotometry
- PM9 **F. Passarini**, The anthropogenic aluminium cycle through integration of MFA and LCA
- PM10 **C. Schulte**, Poly- and perfluorinated compounds – global risks need global management
- PM11 **A. Thorlacius**, Source-tracking of airborne dust by PLS modelling of spectrometric data
- PM12 **A. Utsi**, Advanced quantitative environmental impact assessment for red mud disposal facility
- PM13 **V. Malk**, Risk assessment of chemical accidents: Application of a screening model and a scoring method to a real accident case
- PM14 **A. Marcomini**, Persistent organic pollutants' data in European Alps: A decade of multi-compartment monitoring
- PM15 **J. Comas i Matas**, Multi-agent based decision support system for the integrated management of UWWWS
- PM16 **R. El-Osmani**, Monthly variation of geochemical parameters in the North Sea. From experimental to modelling
- PM17 **M. Roca**, Children exposure to pesticides in Valencia region (Spain)

(Eco-)Toxicology: Pollutants Exposure and Effects on Biota and Ecosystems

- PT1 **R. Airaksinen**, Time trends of PCDD/Fs, PCBs, and PBDEs in Baltic herring in the Finnish coast of the Baltic Sea during 1978–2009
- PT2 **M. Al Mahmud**, Analysis of pesticide residues in some winter vegetables of Bangladesh by QuEChERS based extraction method
- PT3 **M. Boshoff**, Transfer and accumulation of Cd, Cu, Ni, Pb and Zn in a soil – plant – snail food web and the effect of metal pollution on physiological and morphological biomarkers in *Cepaea Nemorialis* (Gastropoda: Pulmonata).
- PT4 **B. Beckingham**, PCBs and PBDEs in fish: Spatial trends in the Ammer catchment, Germany
- PT5 **Z. Barganska**, Levels of selected pesticides in honey samples from Pomerania, Poland
- PT6 **Z. Barganska**, Determination of pesticide residues in honeybee samples with LC-MS/MS and GC-MS/MS
- PT7 **P. Avetta**, Evaluation of environmental impact of silica-based nanoparticles
- PT8 **J. Cristale**, Priority and emerging brominated flame retardants in gull eggs (*Larus Michahellis*) from Atlantic and Mediterranean colonies: trends and impact
- PT9 **M. Durkalec**, The concentration of toxic metals in wild boars (*Sus Scrofa Ferus*) from industrial area in Poland
- PT10 **M. Diken**, Inhibition effect of some pesticides on glutathione reductase and glutathione peroxidase
- PT11 **M. Erturk**, On the acute toxicity of polyphenols to freshwater alga *Chlorella Vulgaris*
- PT12 **J. Froment**, Identification of neurotoxic compounds in produced water discharges from offshore oil production platforms by high-throughput effect-directed analysis
- PT13 **L. Figueiredo**, Human exposure to melamine from milk and related products – new molecularly imprinted polymer for melamine analysis

- PT14 **M. Frac**, The effects of diquat dibromide on soil microbial activity and functional diversity
- PT15 **F. Gomes**, Polycyclic aromatic hydrocarbon levels in octopuses from different geographical origins: inter- and intra-specific variability
- PT16 **A. Hofer**, Monitoring the air quality in Venice-Mestre with *Tillandsia Aeranthes*
- PT17 **V. Homem**, Human exposure assessment to musks in the metropolitan area of Porto (Portugal)
- PT18 **S. Jarque**, Recombinant yeast bioassay and strategies towards a ready-to-use alternative for detection of endocrine disruptive compounds
- PT19 **R. Jordao**, Development of an obesogenic test in *Daphnia Magna*
- PT20 **L. Klavina**, Pollution stress biomarkers in bryophytes and their composition
- PT21 **B. Kocaturk**, Effect of some pesticides on antioxidant enzymes obtained from *Cyprinus Carpio Carpio*
- PT22 **S. Mikolajczyk**, Persistent organic pollutants (PCDD/Fs, DL-PCBs) in wild fish from two polish main rivers
- PT23 **A. Niewiadowska**, Occurrence and levels of organochlorine pesticides and polychlorinated biphenyls in freshwater fish species from Poland
- PT24 **A. Niewiadowska**, Environmental contamination of game animals by chlorinated hydrocarbons
- PT25 **F. Stibany**, Poorly soluble compounds in cosmetics – an approach for a reliable environmental risk assessment (the ECOSM project)
- PT26 **J. Szkoda**, Toxic elements in free-living freshwater fish in Poland
- PT27 **J. Silva**, Comparison of different methods to quantify POPs and emergent pollutants using pine needles
- PT28 **M. Saçan**, Comparative performance of descriptors in a multiple linear and Kriging models: A case study on the acute toxicity of organic chemicals to algae
- PT29 **A. Smalec**, Honey significance as bio-monitor for the environment
- PT30 **A. Smalec**, Toxic metals and trace elements in soil and fruiting bodies of selected mushroom species
- PT31 **J. Sanz-Landaluze**, Alternative bioaccumulation test using zebrafish (*Danio Rerio*) eleutheroembryos
- PT32 **M. Tobajas**, Evaluation of toxicity and biodegradability of priority chlorinated compounds
- PT33 **M. Warenik-Bany**, Selective Bioaccumulation of PCDD/Fs and DL-PCBs in Wild Boars Tissue From Industrial and Agricultural Region of Poland
- PT34 **A. Dago**, Evaluation of the mercury stress produced in plants by the analysis of phytochelatin and its Hg complexes induced in *Asparagus Acutifolius* and *Retama Sphaerocarpa* from the Almadén mining district
- PT35 **T. Oumessaad**, Phytochemical study and antimicrobial evaluation of herbal extracts from *Scilla Lingulata*, an endemic species
- PT36 **J. Villasmil**, Total determination of manganese in nerium oleander leaves by flame atomic absorption spectrometry
- PT37 **T. Yildiz**, Determination of tetracycline and β -lactam residues in chicken meat by HPLC method
- PT38 **M. Wasielewska**, Malodorous monocarboxylic acids in the neighbourhood of animal farms. Determination in the air and wastewater
- PT39 **G. Pojana**, Harmful algae in the Venice Lagoon and in the Po River Delta (Northern Adriatic Sea, Italy)

Transformation and Fate of Pollutants

- PTF1 **J. Aceña**, Fate and behaviour of erectile dysfunction drugs in wastewater treatment plants and receiving waters
- PTF2 **D. Athanasiadou**, Bio-transformation products of pharmaceuticals after biological wastewater treatment. A potential risk for the aquatic environment?
- PTF3 **M. Baez C.**, Sorption-desorption behavior of pesticides and their degradation products in Chilean volcanic and non-volcanic ash-derived soils
- PTF4 **M. Brienza**, Evolution of toxicity in an effluent containing hormone, estradiol, during mineralization processes by heterogeneous photocatalysis and photo-fenton
- PTF5 **M. Chalot**, The fate of trace elements during the combustion of phytoremediation wood
- PTF6 **J. Cedrowski**, Antiradical activity of sulfuraphane, a phytocompound considered as a protector against ultraviolet radiation.
- PTF7 **C. Christophoridis**, Simulation of the redox metabolism of antidepressant active compounds (emerging pollutants) by electrochemistry/mass spectrometry.
- PTF8 **E. De Laurentiis**, Assessment of the photoreactivity of surface freshwater in extreme ecosystems: lakes in terra nova bay, Antarctica, as a case study.

- PTF9 **A. De Luca**, Atrazine removal in municipal secondary effluents by fenton and photo-fenton treatments
- PTF10 **A. Fischer**, Assessing sources and sinks of hexachlorocyclohexane (HCH) isomers at contaminated field sites using stable carbon isotope analysis
- PTF11 **C. Hurtado**, Fate of waterborne organic microcontaminants in the soil-plant system: Effect of biochar and nanoparticles
- PTF12 **X. He**, Thermal and transition metal activation of peroxides for the destruction of emerging cyanobacterial toxin cylindrospermopsin in water environment
- PTF13 **S. Huntscha**, Biotransformation of benzotriazoles: Insights from transformation product identification and compound-specific isotope analysis
- PTF14 **A. Karam**, Chemical and biological capacity of histosols to prevent phosphorus pollution
- PTF15 **A. Meierjohann**, Phototransformation of acidic pharmaceuticals in riverwater
- PTF16 **K. Mizukawa**, Debromination of polybrominated diphenyl ethers (PBDEs) by hepatic microsome of marine and freshwater fishes
- PTF17 **M. Moeder**, In-vitro hydrolysis of asymmetric phthalates
- PTF18 **M. Moeder**, Efficient biodegradation of flumequine using ligninolytic fungi
- PTF19 **R. Oertel**, Determination of clindamycin and its metabolite clindamycin sulfoxide in diverse sewage samples
- PTF20 **J. Omlin**, Investigating the presence of phototransformation products of pharmaceuticals and their human metabolites in Lake Geneva
- PTF21 **C. Piechotta**, Identification and characterization of new disinfection by-products of polycyclic musks (AHTN and HHCB) in swimming pool water
- PTF22 **S. Perez**, Occurrence, fate, and transformation of the antiepileptic Lamotrigine
- PTF23 **J. Quintana**, Oxidation of several pharmaceuticals with aqueous permanganate: reactivity, kinetics and transformation products.
- PTF24 **A. Ruiz**, Natural and reconstituted arkosic sedimentary rocks as landfill barriers for major solutes transport retardation
- PTF25 **M. Russell**, Elimination kinetics of perfluorohexanoic acid in humans and comparison with mouse, rat and monkey
- PTF26 **M. Russell**, Calculation of elimination half-life with an ongoing source: The example of perfluorooctanoic acid
- PTF27 **I. Rodríguez Pereiro**, Kinetics and transformation products of cocaine upon reaction with free chlorine
- PTF28 **I. Rodríguez Pereiro**, Transformation of the fungicides triadimenol and fenhexamid under environmental conditions and UV exposure.
- PTF29 **B. Ricken**, Ipso-hydroxylation initiates sulfonamide degradation by microbacterium sp. BR1
- PTF30 **L. Savoye**, Role of forest for atmospheric PAHs input into mid-mountain karst systems
- PTF31 **S. Sulaiman**, Photocatalytic degradation of Spirinolactone by using Advanced Process Oxidation (AOP)
- PTF32 **S. Sulaiman**, Photodegradation and photocatalysis of Diazepam in liquid phase
- PTF33 **N. Torres-Fuentes**, Photodegradation of the mefenamic acid and fenofibrate on soil surface under simulated sunlight
- PTF34 **S. Urcova**, Residues of extraction and refining of crude oil in soils and mobility of oil hydrocarbons in snowpack
- PTF35 **K. Volчек**, Release of toxic organic compounds from contaminated building materials into air
- PTF36 **S. Evans**, Study of stereoselective degradation of pharmaceuticals and illicit drugs in wastewater and receiving water bodies
- PTF37 **A. Godayol**, UV and chlorination treatments for the elimination of fragrances in water samples: study of their transformation products
- PTF38 **A. Leovac**, Sorption behaviour of trifluralin and alachlor on selected sorbents in aquatic matrices of different origin
- PTF39 **M. Mohd Amin**, Surface to volume ratio effect on atrazine removal by polymer in water: cationic polymer mechanisms
- PTF40 **M. Monperrus**, The use of isotopic tracers to study the transformation rates, localization and biomolecular binding of Hg species at subcellular level in methylating and non-methylating sulphate-reducing bacteria
- PTF41 **G. Thouand**, ProbaBio (probability of biodegradation): a new concept in the evaluation of biodegradation
- PTF42 **P. Wong-Wah-Chung**, Fate of a pharmaceutical compound, pyrimethamine, in water under solar light irradiation

- PTF43** **A. Muñoz**, Atmospheric degradation of pesticides. Studies at euphore chambers.
- PTF44** **A. Muñoz**, Degradation of ethalfuralin under atmospheric conditions
- PTF45** **N. Khaleel**, Photocatalytic degradation of sulfamethoxypyridazine with TiO₂, FeCl₃ and TiO₂/FeCl₃: biodegradability, toxicity assessment, and LC-UV-MS/MS identification of the photodegradation products in aqueous and sewage treatment plant effluent
- PTF46** **W. Mahmoud Ahmed**, Identification and initial toxicity assessment of thalidomide and its photo transformation products
- PTF47** **P. Campo**, Biodegradability of Corexit 9500 at 5 °C and 25 °C
- PTF48** **S. Rodríguez**, Comparison of Hydrolysis and Oxidation Processes for Degradation of Bisphenol A (BPA) from Wastewater Sludge