Poster Program

No	Poster ID	Title	Presenter & Institute
1	10051	Bayesnec: An R package for Cr modelling and estimation of toxicity metrics	**Fisher, Rebecca** Australian Institute of Marine Science, Crawley, Australia
2	10074	The occurrence of "yellowing" phenomenon and its main driving factors after the remediation of chromium (Cr)-contaminated soils	**Li, Haokai** Tongji University, China
3	10075	Quantifying influence factors for multi-metal stabilization: A machine learning approach	**Zhao, Wenchu** Tongji University, China
4	10076	Transpharm: A comparative study of the environmental risk of ciprofloxacin and its environmentally degradable alternative ciprofloxacin-hemi: From human to river	**Zhang, Qiyun** Ghent University, Belgium
5	10088	Evaluation of mass spectral acquisition strategies for ecotoxicity-based feature prioritization by MS2Tox in non-target water analysis	**Rian, May Britt** ACES, Stockholm University, Sweden
6	10116	Digital tools to automate environmental risk assessment for plant protect products	**Ma, Jing** Tobias Gutgesell, Germany
7	10126	Toxicity of conventional and biodegradable plastic additives on soil fauna: A case study with the root lesion nematode pratylenchus neglectus	**Viljoen, Samantha** Murdoch University, Australia
8	10127	Evaluation of the health risk using multi-pollutant air quality health index: Case study in Tianjin, China	**Wang, Yu** Beijing University of Technology, China
9	10130	Single-cell metabolomics uncovers the toxic mechanism of HFPO-DA exposure in embryonic stem cells	**Liu, Yuanxing** Beijing University of Technology, China
10	10146	The degradation mechanism of imidacloprid in bio-electrochemical system enhanced by iron-carbon composite material	**Zhang, Ru** Tongji University, China
11	10158	Ecological status assessment in large watersheds through multispecies edna sequencing and environmental monitoring	**Wang, Xusheng** Tongji University, China
12	10163	The stable soil organic carbon pool controls the burden of persistent organic pollutants in background soils	**Wang, Yawei** Research Center for Eco-Environmental Sciences, CAS, China
13	10168	Toxic effects and mechanisms of tri-n-butyl phosphate on the development of zebrafish embryos	**Liu, Chunsheng** China University of Geosciences, China
14	10176	Analysis of environmental RNA in fish toxicity test with pyrene: A non-invasive approach	**Hiki, Kyoshiro** National Institute for Environmental Studies, Japan
15	10201	A review on the occurrence and ecotoxicity of biodegradable microplastics in aquatic environments: New cause for concern	**Liu, Zhiquan** Hangzhou Normal University, China

No	Poster ID	Title	Presenter & Institute
16	10210	Developing acute to chronic ratios (ACRs) for understanding the ecotoxic effects of surfactants	Xu, Baile Unilever, UK
17	10217	Investigations of the relationship among growth, shells formation and carbon sequestration of marine mussels	**Chai, Haozhe** Zhejiang University, China
18	10226	Characteristics of nitrogen-containing organics in $PM_{2.5}$ in ÜRÜMQI, northwestern China–differential impacts of combustion of fresh and aged biomass materials	**Ma, Yijia** Shanghai Jiao Tong University, China
19	10232	Investigation of the effect of perfluorooctanoic acid (PFOA) on nitrosative stress in MCF-7 cell based on scanning electrochemical microscopy (SECM) technique	**Wu, Jiening** Beijing University of Tecnology, China
20	10235	Analysis for vertical profiles of polycyclic aromatic hydrocarbons in the Sea of Japan and Arctic Ocean during 2020-2023	**Ozawa, Mone** Kanazawa University, Japan
21	10238	Environmental concentrations S-6PPD-quinone caused more serious hepatotoxicity than R-enantiomer and racemate in Oncorhynchus mykiss	**Di, Shanshan** Zhejiang Academy of Agricultural Sciences, China
22	10255	Novel field evidence for constraints of nearly dry and weakly acidic aerosol conditions on the formation of organosulfates	**Yang, Ting** Shanghai Jiaotong University, China
23	10257	Diurnal variations of aminiums in $PM_{2.5}$ during winter in Shanghai: Implication for significant anthropogenic origin and differential formation mechanisms	**Gui, Lin** Shanghai Jiao Tong University, China
24	10259	Applying the principles of grouping and read-across to different lines of evidence to support the development of an ecotoxicity testing strategy for hydrocarbon UVCBs	**Chen, Huiting** ExxonMobil (China) Investment Co., Ltd, China
25	10285	Effects of different forms of lithium on reproductive toxicity in mice	**Peng, Qingyu** Shanghai University, China
26	10286	Responses and molecular mechanisms of nuclear receptor HR96 to DSP toxins in the mussel Perna viridis	**Yuan, Kuan-Kuan** Jinan University, China
27	10317	Variation factor of polycyclic aromatic hydrocarbons in surface seawater in the Arctic Ocean during 2019–2022	**Matsunaka, Tetsuya** Kanazawa University, Japan
28	10326	New approach methodology in ecotoxicology: Advances and case study in microalgal bioassays for environmental risk assessments	**Lee, Junghyun** Kongju National University, Korea
29	10333	Tissue distribution of emerging per- and polyfluoroalkyl substances in multi-species wild fishes from Qiantang River, East China: Comparison of 6:2 Cl-PFESA With PFOS	**Hu, Kejun** Hangzhou Center for Disease Control and Prevention, China
30	10342	Risk assessment of the lipid metabolism-disrupting effects of nitro-PAHs	**Ning, Xia** Shanxi University, China
31	10344	Microalgae enhances the adaptablity of epiphytic bacteria to sulfamethoxazole stress and proliferation of antibiotic resistance genes mediated by integron	**Sun, Shaojing** Hebei University of Engineering, China
32	10366	Laboratory feeding studies to derive appropriate correction factors for avian higher tier risk assessment	**Dittrich, Ralf** Eurofins MITOX B.V., Netherlands

No	Poster ID	Title	Presenter & Institute
33	10368	Identification of unmonitored toxic substances in the environmental samples using effect-directed analysis combined with nontarget screening: A review	**Hong, Seongjin** Chungnam National University, Korea
34	10388	Event driven taxonomy (EDT): Deep learning(DL) links effect-directed analysis (EDA) and non-target analysis (NTA)	**You, Jing** Jinan University, China
35	10390	Neurotoxicity of β-citronellol induced by KYN to 3-HK metabolic activation	**Kim, Suhyun** Korea University, Korea
36	10405	Detection of estrogenic activities in Laguna Lake and its tributaries	**Baluyot, Jobriell** University of the Philippines , Philippines
37	10418	Mitigation effects and microbial mechanism of two ecological earthworms on the uptake of chlortetracycline and antibiotic resistance genes in lettuce	**Zhao, Lixia** Agro-Environmental Protection Institute, Ministry of Agriculture and Rural Affairs, China
38	10425	Persulfate activation with biochar supported nanoscale zero- valent iron: Engineering application for effective degradation of NCB in soil	**Guo, Yang** Nanjing institute of environmental science, China
39	10428	Metabolic activities in rainbow trout (Oncorhynchus mykiss) s9 fractions from liver and extrahepatic organs as an alternative in vitro ecotoxicity assessment approach	**Runge, Dieter** Primacyt GmbH, Germany
40	10445	Molecular toxicity identification and evaluation (mTIE) applied in diagnosing the developmental toxicity of organic micropollutants in the Qiantang River	**Wan, Qilin** China Jiliang University, China
41	10450	Joint regional activities for an improved assessment of chemical pollution in the marine environment using biological effects approach - Baltic Sea case study	**Pouch, Anna** Institute of Oceanology Polish Academy of Sciences, Poland
42	10456	Towards one health: Case studies to develop & test an integrated animal-free next generation human and environmental safety framework for cosmetics	**Ott, Amelie** International Collaboration on Cosmetics Safety (ICCS), USA
43	10466	An acid/alkaline digestion method for efficient microplastic extraction from wastewaters and other environmental matrices	**Wong, Charles** Southern California Coastal Water Research Project Authority, USA
44	10469	Differential acute lethality of the tire-derived chemical 6PPD-quinone to native Japanese salmonids	**Hiki, Kyoshiro** National Institute for Environmental Studies, Japan
45	10495	Trophic level bioaccumulation of cadmium in macrobiota of the geothermal Te Arawa Lakes, New Zealand	**Hartland, Adam** Waikato University, New Zealand
46	10496	Occurrence characteristics and endocrine disrupting effects of per- and polyfluoroalkyl pollutants in amphibians in Chaohu Lake	**Shu, Yilin** Anhui Normal University, China
47	10506	A high-throughput analysis workflow to characterize pharmaceuticals and personal care products in aquatic environment	**Jia, Shenglan** Nanyang Technological University, Singapore

No	Poster ID	Title	Presenter & Institute
48	10527	Speciation, distribution and relationship of zinc and cadmium in summer coastal seawater of northern China	**Liang, Yan** Yantai Institute of Coastal Zone Research, CAS, China
49	10591	Mechanism of resistance to the chiral antibiotic ofloxacin by *P. aeruginosa*	**Wang, Jingjing** Nankai University, China
50	10599	Particle morphology and soil properties affect the retention of copper oxide nanoparticles in agricultural soils	**Li, Shiwei** University of Jinan, China
51	10603	Suppressing effects of perfluoro/polyfluoroalkyl substances on forskolin-induced syncytialization in BeWo Cells	**Liu, Jiaying** China Agricultural University, China
52	10644	Effects of polystyrene nanoplastics on apoptosis, digestive enzymes, and intestinal histological structure and flora of swamp eel (Monopterus albus)	**Zhou, Zihan** Centre for Marine and Coastal Studies, University Sains Malaysia, Malaysia
53	10652	The influence of humid heat on morbidity of megacity Shanghai in China	**Liang, Chen** Fudan University, China
54	10687	Metabolomics approach reveals the health risks associated with chlorinated antibacterial agent exposure	**Zhang, Hongna** Qingdao University, China
55	10707	Gaseous elemental mercury exchange fluxes over air-soil interfaces in the wetland of Eastern China	**Zhou, Huang** Nanjing University, China
56	10738	Effects of microplastics and organic fertilizer regulation on soil dissolved organic matter evolution	**Liu, Le** Nankai University, China
57	10746	Determination of the optimal sample size for medaka fish behavioral assessment by the bootstrap method	**Takai, Yuki** Kyushu University, Japan
58	10748	Small-size polyethylene and polylactic microplastic alterations on soil aggregate frmation with soil sterilization	**Liu, Le** Nankai University, China
59	10759	Emerging disinfection byproducts 3-bromine carbazole induces cardiac developmental toxicity via aryl hydrocarbon receptor activation in zebrafish	**Sun, Hongjie** Zhejiang Normal University, China
60	10766	Analysis of the correlation between air pollution and birth defects: Based on a distribution-lag nonlinear model	**Zhang, Yingying** Shanxi Medical University, China
61	10771	Fine particulate matter ($PM_{2.5}$) exposure affects the health of mice with a sex-dependent property	**Sang, Nan** Shanxi University, China
62	10789	Ambient temperature and humidity exposure associated with the risk of spontaneous abortion in early pregnancy	**Qing, Xu** Nanjing Medical University, Nanjing Women and Children's Healthcare Hospital, China
63	10794	Hexafluoropropylene oxide trimer acid (HFPO-TA) disrupts sex differentiation of zebrafish (Danio rerio) via an epigenetic mechanism of DNA methylation	**Ding, Guanghui** Dalian Maritime University, China
64	10809	Quantitative screening of environmental liquid crystal monomers (LCMs) in human plasma and their neurotoxic effects in cultured neurons	**Chang, Eunice Eun-Seo** The Hong Kong Polytechnic University, China

Promoting a Healthy Earth

No	Poster ID	Title	Presenter & Institute
65	10811	Placental transfer of poly- and perfluoroalkyl substances bisphenol diglycidyl ethers (Bdges) and its association with maternal health in a population in south of China	**Zhang, Bo** Sun Yat-Sen University, China
66	10812	Advanced CO_2 capture using mesoporous alumina enhanced with alkaline earth metals	**Meng, Fanwei** Beijing University of Technology, China
67	10813	The silent threat: PPDs and PPDQs in healthy and S-NAFLD Cohorts	**Song, Shiming** Sun Yat-Sen University, China
68	10816	Emerging contaminants in tap water: Treatment challenges and health risks	**Song, Shiming** Sun Yat-Sen University, China
69	10818	Study on hydrophobicity quantification method and sorption prediction model of dissolved organic matter based on aqueous Two-Phase system	**Liu, Kun** Jiangsu Environmental Engineering Technology Co., Ltd, China
70	10827	Assessment of contaminants in an Anthropogenic-impacted watershed using Non-targeted screening and in vitro bioassays	**Li, Caixia** Nanyang Environment and Water Research Institute, Singapore
71	10830	Fate of 'Forever Chemicals' in the global cryosphere	**Zhou, Yunqiao** China Agricultural University, China
72	10840	Key consideration and practice on polymer biodegradation study	**Rong, Zhi-Yi** Lubrizol Corporation (Shanghai), China
73	10841	Environmental risk assessment of tailings ponds in China	**Ling, Junhong** Chinese Research Academy of Environmental Sciences, China
74	10843	Comparative analysis of dissolved oxygen predictions in the Yellow River basin using different environmental predictors based on machine Learning	**Liu, Lingling** Chinese Research Academy of Environmental Sciences, China
75	10904	The adsorption of 15 kinds of PAHs on microplastics and the simulated desorption in the simulated digestive system	**Hou, Guoqing** Beijing Normal University, China
76	10925	Association of air pollutant and non-optimal temperature exposure with placental abruption: A nested case-control study based on 0.95 million of birth registrations in Chongqing	**Chen, Qing** Army Medical University, China
77	10927	Evidence of strobilurin fungicides and their metabolites in Dongjiang River ecosystem, Southern China: Bioaccumulation and ecological risks	**Zhao, Yanan** Muyuan Laboratory, China
78	10930	Response of rice seed endophytic fungi to Hg-contamination	**Zhao, Liangzhou** Kunming University of Science and Technology, China
79	10931	The diversity and functional characteristics of seed endophytic bacteria of imperata cylindrica, a pioneer plant of abandoned mine lands	**Mao, Wenqin** Kunming University of Science and Technology, China

No	Poster ID	Title	Presenter & Institute
80	10936	The response of rice rhizosphere bacterial community to Cadmium-Contamination	**Li, Haiyan** Kunming University of Science and Technology, China
81	10954	Exposure levels of BPA in overweight and obese individuals and their relationship with metabolic disorders	**Zhao, Qing** Sun Yat-Sen University, China
82	10956	Exposure to per- and polyfluoroalkyl substances, neonicotinoid insecticides, benzotriazoles and benzothiazoles: Associations with human non-alcoholic fatty liver disease	**Qin, Ronghua** Sun Yat-Sen University, China
83	10960	Effects of eutrophication on the production and bioavailability of methylmercury in the surface water of reservoirs on a subtropical plateau	**Li, Qiuhua** Guizhou Normal University, China
84	10976	Monomethylmercury bioaccumulation in macrobiota of a complex group of geothermal lakes in New Zealand	**Ling, Nicholas** Waikato University, New Zealand
85	10994	An efficient and rapid method for detecting 41 primary aromatic amine compounds in serum and application	**He, Le** Sun Yat-Sen University, China
86	11000	Maternal and infant exposure to Polycyclic Aromatic Hydrocarbons (PAHs) and associations with congenital heart disease	**Gao, Chongjing** Zhejiang Wanli University, China
87	11016	Occurrence and removal of microplastics in different processes of the landfill leachate system	**Wang, Junyu** Chinese Research Academy of Environmental Sciences, China
88	11026	Rhizosphere fungal community of rice from various cadmium-contaminated paddies	**Li, Haiyan** Kunming University of Science and Technology, China
89	11027	Sex- and age-specific association between ethylene oxide exposure and serum sex steroid hormones: Evidence from NHANES 2013–2016	**Yan, Wei** Xuzhou Medical University, China
90	11094	Transgenerational toxicity and risk assessment of neonicotinoid insecticides on natural enemy insects	**Wu, Chi** Chinese Academy of Agricultural Sciences, China
91	90016	Metallic contaminants influence the outcomes of male-male competition during precopulatory intrasexual selection	**Patrick, Rosemary** The University of Newcastle, Australia
92	90043	Effects of emerging pollutant mixtures: Assessing the impact of caffeine and ionic liquid combinations on cyanobacteria and diatom species	**Sharma, Lilianna** Institute of Oceanology, Polish Academy of Sciences, Poland
93	90054	Identification of toxicants in treated flowback and produced water from shale gas exploitation using effect-directed analysis combined with nontarget screening	**He, Liwei** Jinan University, China
94	90078	Suspect and nontarget screening of organic pollutants in purified-, bottled-, and tap Water, using liquid chromatography-high resolution mass spectrometry: Involving flame retardants, plasticizers, etc	**Shen, Kailin** Changwon National University, Korea
95	90080	Exploring the use of blood microsampling devices for chemical exposomics	**Thiele, Solveig** Stockholm University, Sweden

Promoting a Healthy Earth

No	Poster ID	Title	Presenter & Institute
96	90093	Development of the imidacloprid temporal response surface and ramifications for aquatic ecosystems in the Great Barrier Reef catchment area	**Neelamraju, Cath** University of Queensland, Australia
97	90097	Spatial distribution of antibiotics and antibiotic resistance genes and microbial communities in the Yangtze River	**Bu, Chengcheng** Tongji University, China
98	90098	Sythesis and properties of simultaneously visualizing and quantifying silver nanoparticles	**Zhao, Minyi** Beihang University, China
99	90100	Elucidating the photodegradation mechanism of ametryn using Compound-Specific Stable Isotope Analysis (CSIA)	**Yu, Jinpeng** Tongji University, China
100	90148	Size matters less? Exploring the intricacies of polystyrene nanoplastic toxicity in zebrafish	**Duan, Xiaoyu** University of Southern Denmark, Denmark
101	90173	"Occurrence and time trends in color developers including bisphenols in thermal receipt papers collected in 2015 and 2023 in Korea"	**Shin, Mangong** Hanyang University, Korea
102	90179	Membrane receptor-mediated thyroid hormone disrupting effects and their mechanism of action by organophosphate esters	**Yang, Jiangtao** Beijing Normal University, China
103	90206	Ornamental houseplants as potential biosamplers for indoor pollution of organophosphorus flame retardants	**Zhang, Zihao** Dalian University of Tecnology, China
104	90207	Non-Target screening of persistent chemicals in Swedish waters based on wastewater persistency	**Rian, May Britt** Stockholm University, Sweden
105	90214	Health benefits and scenario projections of $PM_{2.5}$ and O_3 pollution in Beijing-Tianjin-Hebei, China	**Wang, Yucong** Hebei University of Engineering, China
106	90216	Seawater quality criteria and ecotoxicity risk assessment of zinc oxide nanoparticles based on data of resident marine organisms in China	**Xu, Jia-yin** Xiamen University, China
107	90231	Quantitative insights into Phosphate-Enhanced lead immobilization on goethite	**Lian, Wanli** Agro-Environmental Protection Institute, China
108	90233	Biotransformation and toxicity of SMX in phycosphere: Importance of SMX exposure ways in aquatic ecosystems	**Geng, Linlin** Hebei University of Engineering, China
109	90234	Synthesis of Dual-Labeled Core-Shell micro/nanoplastics and their behavior and applications in complex environmental systems	**Ren, Bo** BeiHang University, China
110	90242	Identifying candidate persistent, mobile and toxic (PMT) and very persistent and very mobile (vPvM) substances based on machine learning approaches	**Han, Min** Guangzhou Institute of Geochemistry, CAS, China
111	90258	The effect of water hardness on the toxicity of zebrafish embryo during exposure to pesticides transformation products: A case study with 3-phenoxybenzoic acid	**Gong, Honghong** Zhejiang University of Technology, China

No	Poster ID	Title	Presenter & Institute
112	90278	3,3',5,5'-tetrabromobiphenyl (BB-80) and its hydroxylation product (OH-BB-80) mediate immunotoxicity and inhibit embryonic development in zebrafish (Danio rerio) via the TLR4/NF-κB signaling pathway	**Shao, Yongjian** Hangzhou Normal University, China
113	90305	Effects of carbamazepine on the central nervous system of zebrafish at human therapeutic plasma levels	**Yang, Weiwei** Tongji University, China
114	90308	An integrated multi-omics approach demonstrates environmentally relevant concentration of octocrylene inhibits the growth of tetradesmus obliquus via affecting photosynthesis and metabolism	**Hu, Junjie** Guangxi University, China
115	90328	Spatiotemporal distribution of polycyclic aromatic hydrocarbons around the Kuroshio current area	**Zhang, Dian** Kanazawa University, Japan
116	90329	Seawater quality criteria and ecotoxicity risk assessment of zinc oxide nanoparticles based on data of resident marine organisms in China	**Xu, Jia-yin** Xiamen University, China
117	90335	Mouse embryonic stem cells: A novel model to evaluate the neurodevelopmental toxicity of perfluorinated iodine alkanes	**Ren, Zhihua** Shanxi University, China
118	90347	Identification of exhaled VOCs biomarkers for human sub-health status using a de-confounding factors coupled with machine learning method	**Tan, Zhibin** Guangdong University of Technology, China
119	90370	Assessing fatty acid and sterol biomarkers as tracers for identifying organic matter pollution sources in the sediments of southeast ports of Korean peninsula, South Korea	**Evrumova, Anastasia** Hanyang University, Korea
120	90374	The distribution of nanosilver in water-sediment and its toxicity to chironomid larvae	**Duan, Yujia** Beihang University, China
121	90401	Predicting sedimentary toxicity using DGT-Induced bioavailable metals within a Toxicokinetic-Toxicodynamic (TKTD) model framework	**Xiao, WenZe** Xiamen University, China
122	90404	Developing a Py-GC/MS Analysis Method for comprehensive analysis of PFAS	**Park, Hee-Jin** Korea University, Korea
123	90424	An integrated approach for in vitro to in vivo extrapolation of multiple toxicities for plastic additives	**Yang, Jingyuan** Dalian University of Technology, China
124	90429	Screening of tetrabromobisphenol A degrading bacteria and degradation effect study	**Zeng, Haoyu** Tongji University, China
125	90435	A novel heterogeneous reactivity-directed analysis approach for the identification of toxic disinfection byproducts in drinking water	**Chen, Yuemei** Sun Yat-Sen University, China
126	90443	Characteristics of antibiotic resistance genes in river section and sewage discharge outlets in downstream of the Yangtze River	**Jia, Feiyue** Tongji University, China
127	90444	Application of Few-shot learning based on SMOTE Approach: Predicting toxicity of nanoparticles in natural aquatic environment	**Dong, Jinchu** Beihang University, China

Promoting a Healthy Earth

No	Poster ID	Title	Presenter & Institute
128	90452	Zinc-enriched yeast can improve acrylamide-induced cognitive impairment through ZnT3/BDNF/TrkB pathway	**Jiao, Yang** Huazhong University of Science and Technology, China
129	90455	Design of all-solid-state nitrate ion-selective electrode for testing nitrate ions in in the wetlands soil of the Yellow River Delta	**Li, Yanhong** Yantai University, China
130	90457	Triclocarban (TCC) and triclosan (TCS) induced lipid metabolism in rana nigromaculata	**Sun, Wenhui** Hangzhou Normal University, China
131	90467	A microcosm study: Mineral sunscreens have hidden dangers to corals	**Feng, Yuqi** Tsinghua Shenzhen International Graduate School, Tsinghua University, China
132	90485	Crystalline silica particles lead to pulmonary fibrosis through interleukin-11-mediated fibroblast metabolic reprogramming	**Xie, Yujia** Huazhong University of Science and Technology, China
133	90497	Incorporating new approach methodologies (NAMs) data into risk assessment of poly- and perfluoroalkyl substances (PFAS) in consumer products	**Yang, Gaeul** University of Seoul, Korea
134	90509	Molecular docking-based prioritization of chemicals in plastic additives	**NA, Kimoon** University of Seoul, Korea
135	90514	Genotoxicity screening of organophosphate ester flame retardants using machine learning-based quantitative structure-activity relationship (QSAR) models	**Jeong, Jiyong** University of Seoul, Korea
136	90523	A multifaceted approach for assessing developmental and neurotoxicity of bisphenol A and its alternatives using adverse outcome pathway (AOP)	**Kang, Keon** University of Seoul, Korea
137	90524	Leaching and effects of plastic additives in aquatic ecosystem: Overview and meta-analysis	**Hua, Yingdi** Research Center for Eco-Environmental Sciences, CAS, China
138	90536	Effects mechanism of biochar application on soil carbon sequestration and alfalfa growth in typical mining areas	**Tao, Yingru** Beihang University, China
139	90547	Aging effects of titanium dioxide on Cu toxicity to daphnia magna: Exploring molecular docking and significance of surface properties	**Yao, Li** Beihang University, China
140	90556	Triclosan exposure induces immunotoxic impacts by disrupting the immunometabolism, detoxification, and cellular homeostasis in blood clam (Tegillarca granosa)	**Han, Yu** Hangzhou Normal University, China
141	90607	Quantification of 2-chlorohydroquinone based on interaction between N-doped carbon quantum dots probe and photolysis products in fluorescence system	**Ding, Shihu** Nankai University, China
142	90612	Protein and fat influence on arsenic and lead relative bioavailability in contaminated soils: Mechanisms and health implications	**Li, Jie** Shandong Normal University, China
143	90619	Utilizing modified nanoscale zero-valent iron (nZVI) for Cr(VI) removal with high efficiency	**Zhang, Xiguo** Nankai University, China

No	Poster ID	Title	Presenter & Institute
144	90675	Atmospheric inorganic reactive nitrogen deposition pattern in the South China Sea changed by the Chinese government controlling NOx emissions: Evidence from field cruise observation	**Zhang, Zhengen** Guangzhou Institute of Geochemistry, CAS, China
145	90686	Organophosphate flame retardants and their metabolites in dog food and urine: An exposure assessment through food consumption	**Park, So-hwi** Kangwon National University, Korea
146	90696	Effects of prenatal PM2.5 exposure on synaptic development of male offspring and its molecular mechanism	**Yan, Wei** Xuzhou Medical University, China
147	90705	Occurrence and prioritization of organic micropollutants in river water of Korea	**Park, Hanbyul** Kangwon National University, Korea
148	90711	Microcystin-LR induces estrogenic effects at environmentally relevant concentration in black-spotted pond frogs (Pelophylax nigromaculatus): In situ, in vivo, in vitro, and in silico investigations	**Zhang, Yinan** Hangzhou Normal University, China
149	90723	Neonicotinoid insecticides and their metabolites can pass through the human placenta unimpeded	**Zhang, Henglin** Sun Yat-sen University, China
150	90736	New insights on free and conjugated forms neonicotinoid insecticides in human serum and their association with oxidative stress	**Yao, Yanan** Sun Yat-Sen University, China
151	90741	Accumulation and transformation of hexabromocyclododecane isomers in arabidopsis	**Zhang, Bidan** Nankai University, China
152	90750	6PPD and its quinone metabolite 6PPD-Q at environmental concentrations induce lipid metabolism disorder in the liver of frog	**Liu, Zhiquan** Hangzhou Normal University, China
153	90757	Dihalogenated nitrophenols in drinking water: Prevalence, Resistance to household treatment, and cardiotoxic impact on zebrafish embryo	**Sun, Hongjie** Zhejiang Normal University, China
154	90758	Screening, Assessment and control technology system for managing emerging contaminants based on computational toxicology	**Wang, Haobo** Dalian University of Technology, China
155	90770	An attempt on microbial transformation of Per- and Plolyfluoroalkyl Substances under anaerobic conditions	**Zhang, Yaozhi** Nankai university, China
156	90797	Cadmium redistribution in edible tissues of steamed swimming crab (Portunus Trituberculatus) and its human health risk assessment	**Mo, Xiao** East China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, China
157	90805	Assessment of hepatopancreas toxicities in the white shrimp, litopenaeus vannamei, after exposure to sulfamethoxazole (SMX) and tire microplastics (TMPs), alone or in combination	**Yu, Xingzhou** Hangzhou Normal University, China
158	90820	Widening the lens on human exposure to the "Chemical Cocktail" in Tianjin	**Zheng, Jie** Nankai University, China
159	90851	Comparative analysis of the life cycle environmental and economic potentials of various energy storage systems	**Zhang, Keshuo** Jinan University, China

Promoting a Healthy Earth

No	Poster ID	Title	Presenter & Institute
160	90863	A study of the association between Neonicotinoid exposure and human obesity	**Feng, Shuai** Sun Yat-Sen University, China
161	90866	Environmental risk analysis for chemicals with exposure model of SWAT-KM: A demonstrative study with bis(2-ethylhexyl) phthalate in the Weihe River Basin	**Li, Jiawei** Beijing Normal University, China
162	90870	Toxicity prediction and risk assessment of per- and polyfluoroalkyl substances (PFASs) for threatened and endangered (T&E) fishes	**Ji, Yuanpu** Chinese Research Academy of Environmental Sciences, China
163	90881	The study on PFAS contamination risk in Chinese drinking water	**Chen, Yiyu** Sun Yat-sen University, China
164	90895	The effects of exogenous nucleobases on the growth and microcystins production of microcystis aeruginosa	**Guo, Yaxin** Nanjing University, China
165	90910	Transformation products of neonicotinoids: A review of metabolic pathway, predicted toxicity and human exposure assessment	**Zhang, Jiye** Sun Yat-sen Universitity, China
166	90911	Traditional and emerging organophosphate Esters in the Yangtze river basin: Multimedia distribution, driving Factors, potential sources, and risk assessment	**Zhou, Longfei** Beijing Normal University, China
167	90915	Importance of algal biomass on regulating Hg accumulation and trophic transfer in planktonic food chain in subtropical freshwater lakes	**Li, Zixuan** Tongji University, China
168	90928	Knowledge on melamine and its derivatives: From environmental occurrence to human exposure assessment	**Xu, Ke** Nankai University, China
169	90932	Elucidating the impact of microbially mediated organic matter transformation in sediments on the multiphase distribution of heavy metals in the Yangtze River Estuary	**Gao, Yanling** Tongji University, China
170	90938	Soil ecological risk Assessment of various mines on the southern Tibetan Plateau: A TRIAD approach	**Chai, Lei** Lanzhou University, China
171	90957	Core microorganisms drive marine carbon sinks through anabolism in seaweed cultivation areas	**Liu, Huanping** Sun Yat-sen university, China
172	90959	Chronic neurotoxic effects of environmental concentration of Fluoxetine exposure on zebrafish: From adult to offspring	**Lu, Lingcan** Shanghai University, China
173	90963	Risk of invasive breast cancer under co-exposure of genetic burden and exposure to di-2-ethylhexyl phthalate: Cohort analysis of women in the UK biobank	**Chen, Qing** Army Medical University, China
174	90966	Key components inducing hormetic effects in eight-components of skin care product mixtures to Vibrio qinghaiensis sp.-Q67	**Gu, Zhongwei** Tongji University, China
175	90967	Simultaneous occupational exposure profiles of PAHs and chlorinated paraffins in human serum from non-ferrous metal smelting	**Tang, Yao** Guangdong University of Technology, China
176	90969	Establish the safety threshold for fluridone on rotation maize and develop rice husk biochar regulation strategy	**Wang, Yuzhu** Institute of Plant Protection, Chinese Academy of Agricultural Sciences, China

No	Poster ID	Title	Presenter & Institute
177	90970	Occupational exposure profiles of PAHs and their derivatives in human serum from the petrochemical industry	**Zhu, Yujiao** Guangdong University of Technology, China
178	90972	The impact of various aromatic compounds on human liver and kidney functions in occupationally exposed population from coking industries	**Chen, Dongming** Guangdong University of Technology, China
179	90977	Preliminary exploration of the correlation and mechanism between per- and polyfluoroalkyl substances and type 2 diabetes	**Su, Xuan** Xi'an Medical College, China
180	90979	Deciphering carcinogenesis of PFOA in gastric cancer through network toxicology, molecular docking, and cellular experiments	**Qi, Zhen** Tsinghua University, China
181	90993	Implications of takeaway food packaging on phthalate acid esters (PAES) exposure in Chinese youth: Occurrence, Sources, and Health Risks	**Shen, Haoyang** Zhejiang Wanli University, China
182	91022	Unravel the in-source fragmentation pattern of per- and polyfluoroalkyl substances during analysis by liquid chromatography-high resolution mass spectrometry	**Wang, Ke** Zhejiang University, China
183	91032	Carrier effect and risk assessment of biodegradable microplastics on heavy metals	**Fei, Jiao** Nankai University, China
184	91056	Insights into the interaction mechanism of ciprofloxacin and microplastics	**Liu, Yuxuan** Chinese Research Academy of Environmental Sciences, China
185	91067	Ensemble learning model identifies adaptation classification and turning points of river microbial communities in response to heatwaves	**Qu, Qian** Nankai University, China
186	91079	Microplastic co-exposure elevates cadmium accumulation in mouse tissue after rice consumption: Mechanisms and health implications	**Wang, Boxuan** International Department of Nanjing No.13 Middle School, China
187	91107	Occurrence of multiple classes of emerging synthetic antioxidants, including aromatic amine, macromolecular hindered phenols, and organophosphites, in human milk: Implications for infant exposure	**Liang, Bowen** Jinan University, China
188	91116	PBScreen: A server for the high-throughput screening of placental barrier–permeable contaminants based on multifusion deep learning	**Gao, Yuchen** Zhejiang University, China
189	91117	Environmental tipping points for global soil carbon fixation microorganisms	**Hao, Yueqi** Nankai University, China
190	91130	A review of geographical and food web features and contaminant exposure in a subarctic estuarine fjord experiencing major changes	**Xiong, Dingyi** University of Toronto, Canada
191	91135	Global gridded emission inventory of organophosphate flame retardants from 2010 to 2020	**Ma, Haibo** Lanzhou University, China

Promoting a Healthy Earth

No	Poster ID	Title	Presenter & Institute
192	91136	Advancements in CRISPR nanotechnology for imaging key molecules in living cells	**Peng, Hanyong** Research Center for Eco-Environmental Sciences, CAS, China
193	91143	Regional neonicotinoid pollution in wastewater treatment plants and point source emissions	**Qu, Jiajia** Zhejiang University of Technology, China
194	91144	Random forest to predict ecotoxicity effects for pollinators	**Shi, Junxuan** Technical University of Denmark, Denmark