

The 9th National Conference on Environmental Chemistry



The 9th National Conference on Environmental Chemistry

Conference Program



Organizers: Environmental Chemistry Professional Committee, Chinese Chemical Society (CCS)
Division of Environmental Chemistry, Chinese Society for Environmental Sciences

Host: Zhejiang University

Co-hosts: Zhejiang University of Technology
Zhejiang Gongshang University
Zhejiang Normal University
Journal of Environmental Chemistry
Journal of Environmental Science

October 19-22, 2017
Zhejiang University, Hangzhou, China

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Conference official website: <http://www.environchem.org/>

Conference WeChat public account:



Welcome message



Over the past few decades, China's rapid economic growth has caused severe environmental problems, creating tremendous challenges and opportunities for environmental chemistry researchers. The biennial National Conference on Environmental Chemistry (NCEC) was initiated by the Environmental Chemistry Professional Committee of the Chinese Chemical Society (CCS), with a mission to exchange ideas and share research findings in the field, facilitate innovation and promote environmental chemistry education in China. Since its debut in 2002, NCEC has served as the premier forum for Chinese scholars to present their latest research in environmental chemistry, and explore potential cooperation with domestic and international research communities. The past NCECs were held in Hangzhou (2002), Shanghai (2003), Xiamen (2005), Nanjing (2007), Dalian (2009), Shanghai (2011), Guiyang (2013), and Guangzhou (2015).

Taking "Innovations in Environmental Chemistry and Sustainable Development" as its theme, this year's conference is to be the largest in NCEC history. Over 6,000 participants are expected to attend 41 sessions, offering more than 3,000 oral and poster presentations. The program is more comprehensive than ever, organized under five tracks: 1) Monitoring and Analysis; 2) Toxicology and Health; 3) Air, Water, Soil, and Solid Wastes; 4) Special topics in Environmental Chemistry; and 5) Young Professionals Symposium and ACS Publication Forum.

The 9th NCEC is to be held in Hangzhou, a well-known tourist city with a history of over 2,200 years. The city is known as "Paradise on Earth", featuring numerous places of cultural and historic interest. It has gained global attention after successfully hosting the G20 Summit in 2016.

On behalf of the Organizing Committee, I would like to welcome you to the conference, and wish you a great time in Hangzhou!

Prof. Guibin Jiang

Academic Committee Chair

Conference Committee

Academic Committee

Chairs: Guibin Jiang, Zhaohui Wu (President of Zhejiang University)

Secretaries General: Weiping Liu, Minghui Zheng

Members:

Zongwei Cai, Zhifang Chai, Wei Chen, Baoliang Chen, Jiping Chen, Jianmin Chen, Jianmeng Chen, Jingwen Chen, Zhi Dang, Xinbin Feng, Qiang Fu, Maofa Ge, Lianghong Guo, Jiming Hao, Zhengping Hao, Hong He, Min Hu, Kebin He, Yeru Huang, Rong Ji, Jinping Jia, Guibin Jiang, Chuanyong Jing, Hexing Li, Junhua Li, Xiangdong Li, Zhang Lin, Jingfu Liu, Rutao Liu, Weiping Liu, Tiangang Luan, Bixian Mai, Gangfeng Ouyang, Pingan Peng, Xie Quan, Hongwen Sun, Shu Tao, Chunxia Wang, Qiuquan Wang, Xiangke Wang, Yawei Wang, Chaohai Wei, Fusheng Wei, Yongning Wu, Zhaohui Wu, Zhongbiao Wu, Yiming Xu, Bing Yan, Xin Yang, Daqiang Yin, Hanqing Yu, Gang Yu, Dongxing Yuan, Jianhua Yan, Yongping Zeng, Aixi Zhang, Qinghua Zhang, Yuanhang Zhang, Jincai Zhao, Minghui Zheng, Bingsheng Zhou, Benzhan Zhu, Dongqiang Zhu, Lizhong Zhu, Yongfa Zhu, Lingyan Zhu

Organizing Committee

Chair: Jianhua Yan

Executive Vice-Chair and Secretary General: Guifang Ye, Weiping Liu

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Members:

Zhongbiao Wu, Shaocai Yu, Ping Zheng, Daohui Lin, Kun Yang, Meirong Zhao, Huijun Liu, Yanqing Cong, Jianying Zhang, Jing Liu, Shulin Zhuang, Wenjun Zhou, Fangxing Yang, Yijun Yao, Li Ji, Huijie Lu, Wu Yang, Chao Xu, Heping Zhao, Hongjun Lin, Jianrong Chen, Juan Wang, Haifeng Qian, Changlun Tong, Yue Liu, Ruo He, Yuezhong Wen, Chaofeng Shen, Liang Zhu, Xiaoying Zhu, Wei Wang, Wei Wang, Xiaole Weng, Chaochao Gao, Yili Huang, Xianjin Tang, Haiying Yu, Shanshan Zhou, Haiyan Zhang, Mengling Tang, Yuyang Long, Cong Li, Zheng Cheng, Lili Niu, Jiefei Mao, Xiaomin Zhu, Yuanchen Chen, Lin Qiu

Organizers

Environmental Chemistry Professional Committee, Chinese Chemical Society (CCS)

Division of Environmental Chemistry, Chinese Society for Environmental Sciences

Host

Zhejiang University, College of Environmental and Resource Sciences

Co-hosts

Zhejiang University of Technology

Zhejiang Gongshang University

Zhejiang Normal University

Journal of Environmental Chemistry

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Opening Ceremony and Plenary Presentations

Friday, October 20 Zhejiang University Stadium
Moderators: Jianhua Yan, Jincai Zhao, Zhifang Chai, Hongyuan Chen, Yukui Zhang, Kebin He

8:30 - 8:50	Cultural Performance Wenqin Art Troupe, Zhejiang University
9:00 - 9:30	Opening Ceremony
9:30 - 9:40	Award Presentation: Outstanding Lifetime Achievement in Environmental Chemistry
9:40 - 9:50	Book Launch: Frontiers in Environmental Chemistry
9:50 - 10:30	Plenary I: Research on Atmospheric Chemistry Leading to Scientific and Accurate Air Pollution Control Jiming Hao, Member of the Chinese Academy of Engineering, Tsinghua University
10:30 - 11:10	Plenary II: Unexpected Products from Radical Oxidation of Aromatic Contaminants David L. Sedlak, Member of the US National Academy of Engineering, Editor-in-Chief of the Journal Environmental Science and Technology, University of California, Berkeley
11:10 - 11:50	Plenary III: Using Expertise in Environmental Chemistry to Advance Technologies for Electricity Generation Using Renewable Biomass, Salinity Gradient, and Waste Heat Energy Sources Bruce E. Logan, Member of the US National Academy of Engineering, Editor-in-Chief of the journal Environmental Science and Technology Letters, Pennsylvania State University
11:50 - 12:30	Plenary IV: Ecotoxicological Effects of Emerging Pollutants Paul K S Lam, Vice-President, City University of Hong Kong

Closing Ceremony and Plenary Presentations

Sunday, October 22 Zhejiang University Stadium
Moderators: Wenqing Liu, Jerald Schnoor, Chunxia Wang, Guibin Jiang, Qiankun Zhuang, Baoliang Chen

14:00 - 14:40	Plenary I: Current Status and Future Perspectives of Food Safety in China Junshi Chen, Member of Chinese Academy of Engineering, China National Center for Food Safety Risk Assessment
14:40 - 15:20	Plenary II: Applications of Photocatalysis for Energy and Environmental Sustainability Zhigang Zou, Member of the Chinese Academy of Sciences, Nanjing University
15:20 - 16:00	Plenary III: Exploring the Great Unknown: New Tools to Assess Complex Environmental Mixtures Shane Snyder, University of Arizona
16:00 - 17:00	Conference Review: Frontiers in environmental chemistry Renyi Zhang, Xie Quan, Aiqian Zhang, Xiaohu Dai, X. Chris Le
17:00 - 17:10	Award Presentation: Outstanding Young Professional Presentation Award and Best Poster Award Minghui Zheng, Chinese Academy of Sciences
17:10 - 17:30	Address by the 10th NCEC Host
17:30 - 17:40	Closing Address Weiping Liu, Zhejiang University



Side Events

Panel 1: Face to Face with Editors

Time: Oct 20, 20:00-21:50 Location: Linshui Hall
Chair: Guibin Jiang, Xiangdong Li
Assistant: Wu Yang (18867540758, wyang@zju.edu.cn)

Panelists	Journals
David L. Sedlak	Editor-in-Chief (Environ. Sci. Technol.)
Guibin Jiang	Associate Editor (Environ. Sci. Technol.)
Xiangdong Li	Associate Editor (Environ. Sci. Technol.)
Bruce E. Logan	Editor (Environ. Sci. Technol. Lett.)
David Allen	Editor-in-Chief (ACS Sustainable Chem. Eng.)
Chongxuan Liu	Associate Editor (ACS Earth Space Chem.)
Yongguan Zhu	Associate Editor (Environ. Int.)
Eddy Y Zeng	Co-Editors in Chief (Environ. Pollut.)
Jay Gan	Co-Editors in Chief (Sci. Total. Environ.)
Shane A. Snyder	Co-Editor in Chief (Chemosphere)
X. Chris Le	Editor-in-Chief (J. Environ. Sci.)
Lianghong Guo	Associate Editor (Environ. Sci-Proc. Imp.)
Weiguo Song	Associate Editor (Environ. Sci-Nano.)
Bing Yan	Associate Editor (Ecotoxicol. Environ. Saf.)
Jingfu Liu	Associate Editor (NanoImpacts)
Invited guests	Managing Editors from ACS, Elsevier or RSC

Panel 2: Meeting with Department of Chemical Sciences, NSFC

Time: Oct 21, 20:00-21:30 Location: Linshui Hall
Chair: Minghui Zheng
Assistant: Wu Yang (18867540758, wyang@zju.edu.cn)

Time	Speaker	Affiliation	Title
20:00 –20:30	Chunxia Wang Qiankun Zhuang	National Natural Science Foundation of China, Department of Chemical Sciences	Current status of environmental chemistry research in China and NSFC award statistics
20:30 – 21:30	Chunxia Wang Qiankun Zhuang	National Natural Science Foundation of China, Department of Chemical Sciences	Panel discussion
	Lizhong Zhu	Zhejiang University	



Schedule at a Glance

Scientific Sessions	Oct 20, PM	Oct 21, AM	Oct 21, PM	Oct 22, AM	Location
Area 1: Analysis and Monitoring (Sessions: 1~6)					
1: Sample Pretreatment					East 1B: 310
2: Techniques of Environment Monitoring and Analysis					East 2: 303
3: Analysis of Metabolites of Contaminants					East 2: 201
4: Speciation Analysis of Contaminants					East 2: 204
5: DGT and Environment					MMWB*: 138
6: Emerging Environmental Contaminants					East 1B: 310
Area 2: Toxicology and Health (Sessions 7~11)					
7: Ecological Toxicology					East 2: 204
8: Environmental Risk Assessment					East 1B: 412
9: Environmental Pollution and Food Safety					East 1B: 210
10:Environmental Computational Chemistry & Predictive Toxicology					East 2: 203
11: Environmental Pollution and Tumor & Metabolism					East 1B: 412
Area 3: Air, Water, Soil and Solid Waste (Sessions: 12~24)					
12: Atmospheric Environmental Chemistry					East 2: 103
13: Air Pollution Control					East 2: 104
14: Atmospheric Environmental Toxicology					East 2: 304
15: Monitoring and Control of VOCs Pollution					East 2: 104
16: Wastewater Pollution and Control					Linshui Hall
17: Water Supply Purification and Disinfection By-products					East 2: 102
18: Soil Contamination Chemistry					MMWB: 225
19: Heavy Metal Pollution And Remediation					East 2: 302
20: Solid Waste Management And Disposal					East 2: 302
21: Mine Environmental Pollution and Remediation					East 1B: 210
22: Environmental Chemistry and Toxicology of Pesticide					East 2: 203
23: Research on Persistent Organic Pollutants (POPs)					MMWB: 223
24: Environmental Chemistry of Microplastics					MMWB: 223

Scientific Sessions	Oct 20, PM	Oct 21, AM	Oct 21, PM	Oct 22, AM	Location
Area 4: Special Topics in Environmental Chemistry (Sessions: 25~35)					
25: Marine Environmental Chemistry					MMWB: 139
26: Environmental Chemistry of High-mountain and Polar Regions					East 2: 301
27: Environmental Electrochemistry					East 2: 102
28: Environmental Radiochemistry					East 2: 201
29: Green Energy Chemistry					East 1B: 212
30: Environmental Chemistry of Iron					East 2: 301
31: Environmental Chemistry of Nanomaterials					East 2: 202
32: Environmental Catalytic Materials					East 2: 101
33: Environmental Pollution of Mercury					East 1B: 312
34: Environmental Pollution and Control of As and Sb					East 1B: 312
35: Environmental Pollution and Effect of PPCPs					East 1B: 212
Area 5: Student and Young Professionals Forum (36~41)					
36: Graduate Student Symposium					
37: Young Scholar Symposium					
38: J. Environ. Sci. Symposium					
39: ACS Publications Forum					
40: Overseas Chinese Scholars Symposium					
41: Toxicities and Health Effect of Fine Particulate Matter Symposium					

*MMWB: Mong Man Wei Building

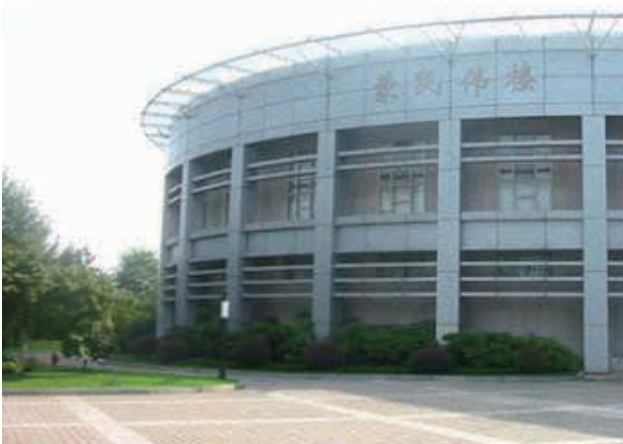
Conference Locations



Scientific Sessions



Linshui Hall



Mong Man Wai Building



East Building

Opening and Closing Ceremonies



Stadium

College of Environmental and Resource Sciences



Session 1. Sample Pretreatment

Chair: Gangfeng Ouyang, Yafeng Guan

Date: Oct 21 - 22 Location: East 1B-310 Assistant: Wei Wang (wwl@zju.edu.cn, 13805754655)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Yafeng Guan	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	Online extraction and thermal analysis of volatile and semi-volatile organic compounds in water	Gangfeng Ouyang
14:20–14:40	Bin Hu	Wuhan University	Stir bar sorptive extraction and its application in environmental analysis	
14:40–15:00	Gangfeng Ouyang	Sun Yat-Sen University	Solid-phase microextraction technique and its application in environmental analysis	Yafeng Guan
15:00–15:45	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Yuan Liu	Shanghai Jiaotong University	Progress of pretreatment techniques for food flavor analysis	Xiuping Yan Lingxin Chen
16:30–16:50	Lingxin Chen	Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences	Sample pretreatment and sensing analysis based on molecular imprinting materials	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Xingfang Li	University of Alberta	Identification of New Halogenated Peptides in Disinfected Water	Xingfang Li Xiaojia Huang
8:50–9:10	Susan Richardson	University of South Carolina	Pretreatment and Method Optimization to Produce a New Total Organic Halogen (TOX) Method for Human Urine in Human Exposure Studies	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Jinming Lin	Tsinghua University	Application of drop-based microfluidic devices and absorbing materials in the pretreatment of aqueous samples	Jinming Lin Yuan Liu
11:00–11:20	Xiuping Yan	Jiangnan University, School of Food Science & Technology	Application of porous framework materials in sample pretreatment and chromatography separation	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 2. Techniques of Environment Monitoring and Analysis

Chair: Lianghong Guo, Yeru Huang

Date: Oct 20- 21 Location: East 2-303 Assistant: Changlun Tong (cltong@zju.edu.cn, 13805705740)

Sat, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Yeyao Wang	China National Environmental Monitoring Centre	New challenges of environmental monitoring techniques during the 13th Five-Year Plan period	Lianghong Guo Xinghua Qiu
14:20–14:40	Yaqi Cai	Research Center for Eco-Environm-ental Science, Chinese Academy of Sciences	Applications of high resolution mass spectrometry in studying environmental behaviors of emerging contaminants	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Yunbao Jiang	Xiamen University	Biomolecular spectroscopy based on molecular aggregates	Yeru Huang Yaqi Cai
16:30–16:50	Xinghua Qiu	Peking University	Study on the health effects of typical organic components of atmospheric fine particulate matters	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Yawei Wang	Research Center for Eco-Environm-ental Science, Chinese Academy of Sciences	Research advances in analytical methods of short chain chlorinated paraffins	Jianguo Liu Qiuquan Wang
8:50–9:10	Mei Lei	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	Novel technique for rapid monitoring of heavy metals in soils	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Jianguo Liu	Hefei Institute of Physical Science, Chinese Academy of Sciences	Recent progress of atmospheric haze monitoring technology	Yawei Wang Mei Lei
11:00–11:20	Qiuquan Wang	Xiamen University	From elemental speciation and metallome to target quantitative proteomics	
11:20–12:30		Oral Presentations		
12:30–14:00	Lunch			
14:00–14:20	Chengzhi Huang	Southwest University	Nano-spectral analysis of mercury in environmental samples	Tiangang Luan Hongmei Li
14:20–14:40	Jiping Chen	Dalian Institute of Chemical Physcis, Chinese Academy of Sciencesy	The latest application of non-target screening mass spectrometry in environmental monitoring	

Scientific Program				
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Tianguang Luan	Sun Yat-Sen University	Environmental pollution characteristics of emerging contaminants	Yeyao Wang Xingjiu Huang
16:30–16:50	Hongmei Li	China National Institute of Metrology	Recent development of environmental reference materials	
16:50–17:10	Xingjiu Huang	Hefei Institute of Physical Science, Chinese Academy of Sciences	Crystal facet and crystal phase effects in environmental nano-electroanalysis	
17:10–17:55	Oral Presentations			
18:00–19:30	Dinner			

Session 3. Analysis of Metabolites of Contaminants

Chair: Jiping Chen, Zongwei Cai

Date:Oct 20 Location :East 2-201 Assistant:Fangxing Yang (13507155231, fxyang@zju.edu.cn)

Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Zhiqiang Zhou	China Agricultural University	Risk evaluation of pesticide metabolites	Zongwei Cai
14:20–14:40	Jianlin Wu	Macau University of Science and Technology	Triclosan metabolism towards its reactive metabolites-protein adducts determination using LC-MS	
14:40–15:55	Oral Presentations			
15:55–16:15	Coffee Break			
16:15–16:35	Yanjun Hong	Hong Kong Baptist University	Mechanistic study of the combination of environmental pollutants with DNA based on LC/MS analysis	Jiping Chen
16:35–16:55	Zunyao Wang	Nanjing University	Analysis and structure confirmation of two new products in the photodegradation of perfluorocarboxylic acids	
16:55–18:00	Oral Presentations			
18:00–19:30	Dinner			

Session 4. Speciation Analysis of Contaminants

Chair: Jingfu Liu, Bin Hu

Date: Oct 22 Location: East 2-204 Assistant:Xiaoying Zhu (zhux@zju.edu.cn, 18758247884)

Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Bin Hu	Wuhan University	Element speciation analysis based on chromatography-plasma mass spectrometry technology	Jingfu Liu, Lingxin Chen
8:50–9:10	Hongzhen Lian	Nanjing University	Hybrid bulk materials (columns) for element speciation separation and analysis	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Jingfu Liu	Research Center for Eco-Environ-mental Sciences, Chinese Academy of Sciences	Methods and appliances for the speciation analysis of nanomaterials	Bin Hu, Hongzhen Lian
11:00–11:20	Lingxin Chen	Yantai Institute of Costal Zone Research, Chinese Academy of Sciences	Nanometric analysis of typical heavy metal pollutants	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 5. DGT and Environment

Chair: Hao Zhang, Jun Luo

Date: Oct 22 Location: Mong Min Wei Building 138 Assistant: Jiefei Mao (jiefeimao@zju.edu.cn , 18057086069)

Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Kevin Jones	Lancaster University, UK	Research and Monitoring for Organic Chemicals: Why is DGT Useful and Exciting?	Hao Zhang Xibai Zeng
8:50–9:10	Shengrui Wang	Beijing Normal University	Phosphorus process of the lake sediments- water interface based on DGT	
9:10–9:30	Ting Sun	Northeastern University	Diffusion coefficients and biofilm of the DGT diffusion phase	
9:30–10:30	Oral Presentations			
10:30–10:45	Coffee Break			

Scientific Program				
10:45–11:05	Hao Zhang	Lancaster University, UK	DGT impacts on science and regulations-Past, Present and Future	Shengrui Wang Ting Sun
11:05–11:25	Xibai Zeng	Institute of Environment and Sustainable Development in Agriculture,Chinese Academy of Agricultural Sciences	Analyzing the stability of synthetic ferrihydrite in soil based on two-step sequential chemical extraction and diffusive gradients in thin-films (DGT) technique	
11:25–12:40	Oral Presentations			
12:40–14:00	Lunch			

Session 6. Emerging Environmental Contaminants

Chair: Wenhong Sun, Gan Zhang, Zhiqiang Yu

Date: Oct 20- 21 Location: East 1B-310 Assistant: Haiyan Zhang (zhanghaiyan@zjut.edu.cn, 18258852093)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Jennifer Field	Oregon State University, OR, USA	The Importance of Per- and Polyfluoroalkyl Substance (PFAS) Precursors in AFFF-Contaminated Groundwater	Hongwen Sun Gan Zhang
14:20–14:40	Minghui Zheng	Research Center for Eco-Environm-ental Science, Chinese Academy of Sciences	Exposure levels of the short-chain and medium-chain chlorinated paraffins in Chinese dietary	
14:40–14:55	Alfredo Alder	Eawag	Atmosphere Emission of Chlorinated, Brominated and Fluorinated POPs in Switzerland	
14:55–15:45	Oral Presentations			
15:45–16:05	Coffee Break			
16:05–16:25	Kevin C Jones	Lancaster University	Emerging contaminants: some emerging issues and research	Zhiqiang Yu
16:25–16:45	Yifan Li	Harbin Institute of Technology	The major pathways for POPs to enter the arctic	
16:45–18:00	Oral Presentations			Lei Wang
18:00–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Lingyan Zhu	Nankai University	ResSource tracing based on the fingerprinting characteristics of perfluoroalkyl acid isomers	

8:50–9:10	Yaqi Cai	Research Center for Eco-Environmental Science, Chinese Academy of Sciences	Environmental behaviors and human exposure of methyl siloxanes	Lingyan Zhu
9:10–10:10	Oral Presentations			Yaqi Cai
10:10–10:30	Coffee Break			
10:30–10:50	Xiaoping Wang	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	Concentration, composition , spatial characteristics of volatile perfluorinated compounds (VPFCs) and cyclic methyl siloxanes (CMSS) in tibetan plateau atmosphere	Bixian Mai Xiaoping Wang
10:50–11:10	Bixian Mai	Guangzhou Institute of Geochemistry, Chinese Academy of Sciences	Nanometric analysis of typical heavy metal pollutants	
11:10–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 7. Ecological Toxicology

Chair: Daqiang Yin, Bingsheng Zhou, Lingyan Zhu

Date: Oct 20- 21 Location: East 2-204 Assistant: Huijun Liu (lhj@zjgsu.edu.cn, 13958130861)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Daniel Schlenk	University of California, Riverside	Integration of microRNAs and messenger RNA networks in early life stages of mahi-mahi (Coryphaena hippurus) to determine mechanisms of developmental toxicity caused by Deepwater Horizon oil	Daqiang Yin, Sijie Lin
14:20–14:40	Jianying Hu	Peking University	Endocrine disrupting chemicals and hermaphrodite fishes	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Jiayin Dai	Institute of Zoology, Chinese Academy of Sciences	Alternatives of perfluoroalkyl and polyfluoroalkyl substances	Lingyan Zhu, Shaoguo Ru
16:30–16:50	Lingyan Zhu	Nankai University	The effects and mechanism of manufactured nano materials on the bioaccumulation of organic pollutants	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Xiaowei Zhang	Nanjing University	Application of ecological genomics in studying the community effects of chemical contaminants	Bingsheng Zhou, Zhihua Li
8:50–9:10	Sijie Lin	Tongji University	Nanomaterial-plant interactions: from phenomenon observations to mechanistic understanding	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Sijin Liu	Research Center for Eco-Environm-ental Sciences, Chinese Academy of Sciences	An important function of petrosiol E in inducing the differentiation of neuronal progenitors and in protecting them against oxidative stress	Xiaowei Zhang, Jing Liu
11:00–11:20	Jing Liu	Zhejiang University	Endocrine disruption effects of pesticides via corticosteroids receptor mediation	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			
14:00–14:20	Ruibin Li	Soochow University	Studies on the interface toxicology of nanoparticles in cells and microorganism	Xiangang Hu, Ruibin Li
14:20–14:40	Xiangang Hu	Nankai University	Potential ecological toxicity induced by nano graphene materials	
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–18:00	Oral Presentations			Chunsheng Liu, Ting Xu
18:00–19:30	Dinner			

Session 8. Environmental Risk Assessment

Chair: Jianying Hu, Jiaying Dai

Date: Oct 21 - 22 Location: East 1B-412 Assistant: Jing Liu (13968120132, jliue@zju.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Binle Lin	National Technology of Advanced Industrial and Technology	Environmental risk assessment of reactive nitrogen (Nr) compounds: overview and our approach	

14:20–14:40	Jinxia Liu	McGill University	Analytical assessment of novel perfluoroalkyl and polyfluoroalkyl substances in firefighting foam impacted soils	Jianying Hu, Yi Wan	
14:40–15:50	Oral Presentations				
15:50–16:10	Coffee Break				
16:10–16:30	Zhaojing Cao	China Center for Disease Control and Prevention	Background and prospect of the national human biological monitoring project	Jianying Hu, Jinxia Liu	
16:30–16:50	ShunQing Xu	Huazhong University of Science and Technology	Exposure and health risks of environmental phenolic pollutants during pregnancy		
16:50–18:00	Oral Presentations				
18:00–19:30	Dinner				
Sun, Oct 22					
Time	Speaker	Affiliation	Title	Moderator	
8:30–8:50	Yunjiang Yu	Department of Conservation	Characteristics of internal load and excretion of four bromo bisphenol A in rats exposed via different routes	Jiaying Dai, Heqing Shen	
8:50–9:10	Heqing Shen	Chinese Academy of Sciences	Risks of bisphenol A exposure on infants' mini-puberty and physical development		
9:10–10:20	Oral Presentations			Jianying Dai, Yanhong Wei	
10:20–10:40	Coffee Break				
10:40–11:00	Yi Wan	Peking University	Environmental exposure risk indicator study based on lipid metabonomics		
11:00–11:20	Quanshun Zhang	Institute for In Vitro Sciences	Relationships between conditioned cell reprogramming and testing system		
11:20–12:30	Oral Presentations				
12:30–14:00	Lunch				

Session 9. Environmental Pollution and Food Safety

Chair: Yongning Wu, Jingguang Li, Aiqian Zhang

Date: Oct 20-21 Location: East 1B-210 Assistant: Mengling Tang (tangml@zju.edu.cn, 13735564686)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Guibin Jiang	Research Center for Eco-Environm-ental Science, Chinese Academy of Sciences	Environmental pollution and food safety	Yongning Wu
14:20–14:40	Youjun Feng	Peking University	Mechanism of bacterial polymyxin resistance: story at cell surface	

14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Yawei Wang	Research Center for Eco-Environm-ental Science, Chinese Academy of Sciences	Exposure analysis of chlorinated paraffins in the dietary of Beijing citizens	
16:30–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Yongning Wu	China National Center for Food Safety Risk Assessment	Sino-europe cooperation on food safety	Jingguang Li
8:50–9:10	Zhixian Gao	Academy of Military Medical Sciences	Technological innovation and application of fast detection, assessment, and control on food and water safety	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Shuo Wang	Nankai University	In-situ monitoring of foodborne aflatoxin based on time-resolved bioimaging techniques	Yongning Wu
11:00 –11:20	Hua Kuang	Jiangnan University	Preparation of two hundred critical hazardous monoclonal antibodies, development, and applications in food safety fast analysis	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			
14:00–14:20	Zongwei Cai	Zhejiang University	Applications of metabolomics in biomarker identification	Aiqian Zhang
14:20–14:40	Yu Zhang	China National Centre for Food Safety and Risk Assessment	Biomarker analysis and risk control of pollutants originated from food processing	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Feng Zhang	Institute of Food Safety, Chinese Academy of Inspection and Quarantine	Non-target screening technique for food contaminants based on mass spectral characterization	Jingguang Li
16:30–16:50	Aiqian Zhang	Research Center for Eco-Environm-ental Science, Chinese Academy of Sciences	Applications of computational toxicology in food safety	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			

Session 10. Environmental Computational Chemistry & Predictive Toxicology

Chair: Jingwen Chen, Aiqian Zhang, Shulin Zhuang

Date: Oct 21-22 Location: East 2-203 Assistant: Haiying Yu (yhy@zjnu.cn, 18757990547)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Benzhan Zhu	Research Center for Eco-Environ- mental Sciences, Chinese Academy of Sciences	Novel free radicals/rearrangement/chemiluminescence reaction and synergetic biological effects induced by halogenated phenolic carcinogen: how to better integrate experimental and theoretical research?	Jingwen Chen, Taicheng An
8:50–9:10	Taicheng An	Guangdong University of Technology	Studies on ecological and health effects of typical emerging organic contaminants during photodegradation	
9:10–10:25	Oral Presentations			
10:25–10:40	Coffee Break			
10:40–11:00	Bing Yan	Shandong University	Shortening the gap between experimental work and computation via the metadata of nano-bio effects	Xiangke Wang, Shulin Zhuang
11:00–11:20	Xiangke Wang	North China Electric Power University	Interactions between radionuclides and nano materials at the interface: Experiments and theoretical calculations	
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			
14:00–14:20	Jingwen Chen	Dalian University of Technology	Simulation and prediction of organic contaminants adsorption to carbon nanomaterials	Lianghong Guo, Xiaowei Zhang
14:20–14:40	Lianghong Guo	Research Center for Eco-Environ- mental Sciences, Chinese Academy of Sciences	The critical biological pathways of PBDEs’ endocrine disrupting effects	
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Paul Tratnyek	Oregon Health and Science University	In silico environmental chemical science: contaminant properties from statistical and computational modeling	Zhifen Lin, Yun Tang
16:30–16:50	Yun Tang	East China University of Science and Technology	Identification method of warning molecule structure and its application	
16:50–18:05	Oral Presentations			
18:05–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Chunying Chen	The National Center for Nanoscience and Technology	Key factors affecting the toxicity of nanomaterials	

Scientific Program					
8:50–9:10	Aiqian Zhang	Research Center for Eco-Environm ental Sciences, Chinese Academy of Sciences	The influence of surface modification of nanomaterials on its target identification and interaction mode	Jingwen Chen, Aiqian Zhang	
9:10–10:25	Oral Presentations				
10:25–10:40	Coffee Break				
10:40–11:00	Qingzhu Zhang	Shandong University	Degradation mechanisms of fluoroacetic dehalogenase based on QM/MM analysis	Qingzhu Zhang, Hailong Wu	
11:00–11:20	Hailong Wu	Hunan University	Appliations of chemical high-dimensional correction method combined with high-order analytical instruments in quantitative analysis of pesticide residues and phytohormone in soil and water		
11:20–12:50	Oral Presentations				
12:50–14:00	Lunch				

Session 11. Environmental Pollution and Tumor & Metabolism

Chair:Sijin Liu,Guangbiao Zhou,Yiguo Jiang

Date: Oct 20 - 21 Location:East 1B-412 Assistant:Yuanchen Chen (18969093278, chenyuanchen1988@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Guangbiao Zhou	Chinese Academy of Sciences	Environmental pollution, genomic / epigenetic abnormalities and chronic inflammation: molecular mechanisms and precise prevention and treatment of lung cancer	Yiguo Jiang
14:20–14:40	Yiguo Jiang	Guangzhou Medical University	Progress in non-coding RNA mechanisms of chemical carcinogenesis and toxicity	Sijin Liu
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Nan Sang	Shanxi University	Epigenetic studies on damages to the cardiac and pulmonary system induced by exposure to air pollutants during pregnancy	Guangbiao Zhou
16:30–16:50	Yang Song	Southwestern University	Molecular mechanisms of PCBs-induced breast cancer invasion and metastasis	Hui Wang
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Jiayin Dai	Chinese Academy of Sciences	Hepatotoxicity and its mechanisms of perfluorinated compounds and their substitutes	Meirong Zhao

8:50–9:10	Zhaobin Zhang	Peking University	Nepodilate causes ovarian cysts in mice	
9:10–10:10	Oral Presentations			Yang Song
10:10–10:40	Coffee Break			
10:40–11:00	Meirong Zhao	Zhejiang University of Technology	Endocrine disrupting effects and metabolic disturbances caused by polyhalogenated carbazoles	Nan Sang Rutao Liu
11:00–11:20	Shaowei Wu	Peking University	Consumption of citrus products, ultraviolet radiation, and risk of cutaneous malignant melanoma	
11:25–12:35	Oral Presentations			
12:35–14:00	Lunch			

Session 12. Atmospheric Environmental Chemistry

Chair:Jianmin Chen, Min Hu, Likun Xue

Date: Oct 20 -21 Location:East 2-103 Assistant:Yue Liu (18658125986, yueliu@zju.edu.cn)

Oct 20, 2017					
Time	Speaker	Affiliation	Title	Moderator	
14:00–14:40	Kebin He	Tsinghua University	Medium to long-term control of fine particle pollution: Implications of emission monitoring and observational studies	Jianmin Chen, Min Hu	
14:40–15:20	Li’ an Hou	Rocket Force Logistics Science and Technology Institute	Progress of Indoor PM _{2.5} Pollution Control Technology Study		
15:20–16:00	Wenqing Liu	Heifei institutes of Physical Science, Chinese Academy of Science	Stereoscopic monitoring technology and applications in atmospheric studies		
16:00–16:40	Yuanhang Zhang	Peking University	Frontiers in the studies of atmospheric oxidability		
16:40–16:50	Coffee Break				
16:50–17:10	Min Hu	Peking University	Quantification and source tracking of organic nitrate in atmospheric fine particles in Beijing	Shaocai Yu, Mindong Chen	
17:10–18:10	Oral Presentations				
18:05–19:30	Dinner				
Oct 20, 2017					
Time	Speaker	Affiliation	Title	Moderator	
8:30–8:50	Jianmin Chen	Fudan University	Progress and difficulties of research on explosive growth of atmospheric fine particles	Yunhong Zhang, Lin Wang	
8:50–9:10	Mindong Chen	Nanjing University of Information Sciennce & Technology	Characterization of winter organic aerosol in Zurich using extractive electrospray ionization time-of-flight mass spectrometry (EESI-TOF)		
9:10–10:25	Oral Presentations				
10:25–10:40	Coffee Break				

Scientific Program				
10:40–11:00	Yunhong Zhang	Beijing Institute of Technology	Effects of relative humidity on the heterogeneous chemical reaction of carbon black granules	Likun Xue, Rujin Huang
11:00–11:20	Lin Wang	Lin Wang	Aging mechanisms of organic aerosols with unsaturated double bonds	
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			
14:00–14:20	Junhua Li	Tsinghua University	Heterogeneous reactions of toluene and NO2 with atmospheric mineral aerosols	Junhua Li, Yele Sun
14:20–14:40	Douglas Worsnop	Aerodyne Research, Inc.	Mass spectrometry of atmospheric aerosol: 1 nanometer to 1 micron	
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Shaocai Yu	Zhejiang University	Application of bidirectional coupled WRF-CMAQ model to study the influence of thermal power industry in Beijing-Tianjin-Hebei region on Beijing's haze formation: Evaluation of air pollution control policies	Lin Du Keding Lu
16:30-18:15	Oral Presentations			
15:15-19:30	Dinner			

Session 13. Air Pollution Control

Chair:Yunfa Chen, Zhongbiao Wu, Junhua Li

Date: Oct 20-21 Location :East 2-104 Assistant:Yue Liu (18658125986, yueliu@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Qiang Yao	Tsinghua University	Formation and control of carbon particles from coal combustion	Yunfa Chen, Qiang Yao
14:20–14:40	Keping Yan	Zhejiang University	Application of high intensity discharge in air pollution control	
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Ping Ning	Kunming University of Science and Technology	Key techniques in catalytic purification of yellow phosphorus tail gas	Zhongbiao Wu, Ping Ning
16:30 – 16:50	Hong He	Beijing University of Technology	Limitations of denitration and vanadium-free SCR catalytic materials in non-electric industry	
16:50 – 18:05	Oral Presentations			
18:05 – 19:30	Dinner			

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Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Chaoping Cen	South China Institute of Environmental Science.MEP	Synergistic flue gas denitration technology in cement kiln sludge treatment	Junhua Li, Zhen Zhao
8:50–9:10	Zheng Zhao	Guangzhou Medical University	Oxidative elimination and catalytic purification of PM2.5 from vehicle emissions	
9:10–10:25	Oral Presentations			
10:25–10:40	Coffee Break			
10:40–11:00	Junhua Li	Tsinghua University	Pollution characteristics and control strategies of haze	Chaoping Cen, Hong He
11:00–11:20	Shuiliang Yao	Zhejiang Gongshang University	Non-thermal plasma purification of diesel vehicle exhaust: fundamentals and applications	
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			

Session 14. Atmospheric Environmental Toxicology

Chair: Haidong Kan, Wei Huang

Date: Oct 20 Location :East 2-304 Assistant: Lili Niu (niulili@zju.edu.cn, 15988199368)

Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Haidong Kan	Fudan University	Metabolomic study on the health effects of acute airborne fine particle exposure	Haidong Kan
14:20–14:40	Cuiqing Liu	College of Basic Medical Sciences, Zhejiang Chinese Medical University	Toxicity beyond the lung: connecting PM2.5 and insulin resistance	
14:40–15:55	Oral Presentations			

Session 15. Monitoring and Control of VOCs Pollution

Chair:Zhengping Hao, Min Shao

Date: Oct 21-22 Location :East 2-104 Assistant: Xiaole Weng (15869120989, xlweng@zju.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:25	Jianmeng Chen	Zhejiang University of Technology	Treatment of waste gas with low VOC concentration	Zhengping Hao
14:25–14:50	Xinyong Li	Dalian University of Technology	Construction of Nanostructured Harvesting Solar Materials for Highly Effective Photocatalytic Degradation of Benzene Series	
14:50–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:35	Liangfu Chen	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	Progress and prospect of satellite-based remote sensing of VOCs	Min Shao
16:35–17:00	Xinming Wang	Guangzhou Institute of Geochemistry, Chinese Academy of Sciences	Ageing of Plumes from Emission Sources Based on Chamber Simulation	
17:00–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:55	Hongjun Mao	Nankai University	Emission characteristics of VOCs from vehicle exhaust	Zhengping Hao
8:55–9:20	Jinian Shu	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Vacuum ultraviolet photoionization and dichloromethane DOPING technology in real-time detection of VOCs	
9:20–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:05	Wei Huang	Hefei institutes of Physical Science, Chinese Academy of Sciences	Nucleation mechanism of atmospheric aerosol particles	Min Shao
11:05–11:30	Bin Yuan	Jinan University	Oxygen-containing VOCs: A bridge to study atmospheric oxidation mechanisms	
11:30–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 16. Wastewater Pollution and Control

Chair:Hanqing Yu, Xia Huang, Chaohai Wei

Date: Oct 20 -21 Location :Linshui Hall Assistant :Heping Zhao (18657154100, zhaohp@zju.edu.cn)

Fri, Oct 20					
Time	Speaker	Affiliation	Title	Moderator	
14:05–14:30	Xia Huang	Tsinghua University	Large-scale membrane bioreactors: Characterization and control of biochemical processes	Hanqing Yu	
14:30–15:50	Oral Presentations			Xiaohong Guan	
15:50–16:10	Coffee Break				
16:15–16:40	Chaohai Wei	South China University of Technology	Chemical principles, reactors, process combination and implementation of coking wastewater treatment	Xia Huang	
16:40–18:00	Oral Presentations			Fangang Meng	
18:00–19:30	Dinner				
Sat, Oct 21					
Time	Speaker	Affiliation	Title	Moderator	
8:35–9:00	Jingping Jia	Shanghai Jiao Tong University	Difficulties and solutions in semiconductor photocatalytic treatment of wastewater	Chaohai Wei Peng Liang	
9:00–9:20	Xiaohong Guan	Tongji University	Improving the reactivity of zerovalent iron toward various contaminants by weak magnetic field: Performance and mechanisms		
9:20–9:40	Weihua Song	Fudan University	Mechanisms and kinetics of photochemical oxidation of organic matters in secondary effluent		
9:40–10:20	Oral Presentations			Jinping Jia Weihua Song	
10:20–10:40	Coffee Break				
10:45–11:10	Zhimin Qiang	Research Center for Eco-Environm-ental Sciences, Chinese Academy of Sciences	experimental test and model calculation of UV intensity distribution in a medium-pressure ultraviolet disinfection reactor		
11:10–11:30	Shubo Deng	Tsinghua University	Adsorptive removal of perfluorinated compounds from wastewater		
11:30–11:50	Wenwei Li	University of Science and Technology of China	Activation of persulfate and degradation of organic pollutants by magnetic, readily separable nanomaterials loaded with g-C3N3	Zhimin Qiang Wenwei Li	
11:50–12:30	Oral Presentations				
12:30–14:00	Lunch				
14:05–14:30	Huazhang Zhao	Peking University	Regulation of flocculant structure and advanced water regeneration technology	Zhimin Qiang Wenwei Li	
14:30–14:50	Guoping Sheng	University of Science and Technology of China			
14:50–15:10	Yayi Wang	Tongji University	Stress responses of anaerobic ammonium oxidizing bacteria to zinc ion based on metatranscriptomic studies		

15:10–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Baolan Hu	Zhejiang University	Denitrifying anaerobic methane oxidation: a novel nitrogen removal technique	Huazhang Zhao Guoping Sheng
16:30–16:50	Hui Wang	Tsinghua University	Synthesis of environment-frendly materials from waste carbon sources	
16:50–17:10	Xiaoying Zhu	Zhejiang University	Interface engineering and fabrication of antifouling filtration membranes	
17:10–18:00	Oral Presentations			

Session 17. Water Supply Purification and Disinfection By-products

Chair: Min Yang, Dongshen Wang, Bin Xu

Date: Oct 21 – 22 Location: East 2-102 Assistant: luhuijie (18768491263, luhuijie@zju.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Min Yang	Research Center for Eco-Environm-ental Sciences, Chinese Academy of Sciences	Odor-producing algae in reservoir-based drinking water sources: ecological niche analysis and control strategies	Bin Xu
14:20–14:40	Tinglin Huang	Xi’ an University of Architecture and Technology	Catalytic oxidation of ammonium in groundwater by manganese oxide filter: performance and mechanisms	
14:40–15:00	Dongsheng Wang	Research Center for Eco-Environm-ental Sciences, Chinese Academy of Sciences	Coagulation characteristics of high purity nanoscale polyaluminum and its efficacy in the removal of DBP precursors	
15:00–15:45	Oral Presentations			
15:45–16:10	Coffee Break			
16:10–17:10	Oral Presentations			Tinglin Huang
	Sun, Oct 22			
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Chun Hu	Research Center for Eco-Environm-ental Sciences, Chinese Academy of Sciences	Inhibition of disinfection by-product formation in drinking water pipelines based on the BAC-O3 technology	Dongshen Wang
8:50–9:10	Mindong Bai	Xiamen University	Pretreatment of algae laden water by using hydroxyl radicals and novel disinfection odor treatment technology	
9:10–9:30	Bin Xu	Tongji University	Formation mechanism and precursors of iodo-disinfection by-products in drinking water treatment	

9:30–10:15	Oral Presentations	
10:15–10:40	Coffee Break	
10:40–11:40	Oral Presentations	Chun Hu

Session 18. Soil Contamination Chemistry

Chair: Lizhong Zhu, Rongliang Qiu, Fangbai Li

Date: Oct 21- 22 Location: Mong Man Wei Building 225 Assistant: Wenjun Zhou (wenjunzhou@zju.edu.cn, 13575719628)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:30	Fusheng wei	China National Environmental Monitoring Centre	Taking advantages of Environmental Chemistry for Classified Soil Remediation	Lizhong Zhu
14:30–14:50	Lizhong Zhu	Zhejiang University	Several issues in soil pollution prevention and control	Shuzhen Zhang
14:50–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:35	Cary T. Chiou	National Cheng Kung University	Environmental partitioning and contamination of persistent organic chemicals	Rongliang Qiu
16:35–16:55	Dongqiang Zhu	Peking University	Influence of biochar on the environmental behaviors of organic pollutants in soils	Xinde Cao
16:55–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:55	Rongliang Qiu	Sun Yat-sen University	Soil pollution and remediation in rare earth ore in southern China	Fangbai Li
8:55–9:15	Hongwen Sun	Nankai University	Effects of biochar adsorption and degradation of thiacloprid in soils	Dongqiang Zhu
9:15–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Fangbai Li	Guangzhou Institute of Eco-environment and Soil Sciences	Principles and key techniques for simultaneous removal of Cadmium and Arsenic in paddy fields	Hongwen Sun Yuping Qiu
11:00–11:20	Shuzhen Zhang	Research Center for Eco-Environm-ental Sciences, Chinese Academy of Sciences	Applications of ESI-FT-ICR-MS in studying molecular characteristics and environmental behaviors of DOM in Soil	
11:20–12:40	Oral Presentations			
12:40–14:00	Lunch			

Session 19. Heavy Metal Pollution and Remediation

Chair: Jianming Xu, Yongguan Zhu

Date: Oct 20-21 Location: East 2-302 Assistant: Xianjin Tang (xianjin@zju.edu.cn, 13777840512)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:25	Yongming Luo	Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences	Pollution and remediation of chemical weapon (diphenylarsinic acid) sites	Jianming Xu
14:25–14:50	Fangbai Li	Guangdong Institute of Eco-Environment and Soil Science	The behaviors of cadmium and arsenic regulated by the iron cycle in rice paddy fields: mechanisms of extracellular arsenic reduction driven by humus	
14:50–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:35	Qiaoyun Huang	Huazhong Agricultural University	Application and prospect of plant-microbe remediation of heavy metal contaminated agricultural soils	Yongming Luo
16:35–17:00	Elizabeth Edwards	University of Toronto	Potential for offsetting remediation costs through capturing nickel from sulfidic waste ores	
17:00–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:55	Fangjie Zhao	Nanjing Agricultural University	Agronomic measures to prevent heavy metal accumulation in crops	Qiaoyun Huang
8:55–9:20	Rongliang Qiu	Sun Yat-sen University	Progress and prospect of integrated remediation technology for heavy metal contaminated soils	
9:20–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:05	Qiyong Ma	Nanjing University	Human bioavailability of arsenic, lead and cadmium in contaminated soils: quantification methods and risk assessment	Yongguan Zhu
11:05–12:20	Oral Presentations			
12:30–14:00	Lunch			

Session 20. Solid Waste Management and Disposal

Chair: Xiaohu Dai, Dongsheng Shen, Pinjing He

Date: Oct 21-22 Location: East 2-302 Assistant: Ruo He(heruo@zju.edu.cn, 18858153130)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Jiakuan Yang	Huazhong University of Science and Technology	Municipal sludge deep dewatering and energy conversion based on organic conditioning	Xiaohu Dai
14:20–14:40	Yu Tian	Harbin Institute of Technology	Recent development of municipal sludge treatment and disposal technology in China	
14:40–15:45	Oral Presentations			
15:45–16:05		Coffee Break		
16:05–16:25	Hongtao Wang	Tsinghua University	Rethinking domestic waste treatment in China	Dongsheng Shen
16:25–16:45	Fan Lv	Tongji University	Applications of carbon-based materials on the anaerobic degradation of solid wastes	
16:45–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Medator
8:30 – 8:50	Guanyi Chen	Tianjin University	Economic analysis and commercialization of rural waste pyrolysis gasification technology	Pinjing He
8:50 – 9:10	Zhenming Xu	Shanghai Jiao Tong University	Environmental chemistry problems and pollution control in mechanical-physical processing of electronic wastes	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Liangtong Zhan	Zhejiang University	Process control of three-stage degradation & stabilization technology for treating high solid food wastes	Hongtao Wang
11:00–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 21. Mine Environment Pollution and Remediation

Chair: Zhi Dang, Wensheng Shu, Lixiang Zhou

Date: Oct 22 Location: East 1B-210 Assistant: Chaofeng Shen (ysxzt@zju.edu.cn, 15925611482)

Oct 22, AM				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Lixiang Zhou	Nanjing Agricultural University	Treatment of acid mine wastewater by using mineralization-lime neutralization	Zhi Dang Wensheng Shu
8:50–9:10	Jun Yao	China University of Geosciences (Beijing)	Reduction, resource recovery and pollution control of solid wastes generated from nonferrous metal mines	
9:10–9:30	Yongfeng Jia	Institute of Applied Ecology, Chinese Academy of Sciences	Morphological transformation and stabilization of arsenic-containing solid wastes in non-ferrous metallurgy	
9:30–9:50	Tianhu Chen	Hefei University of Technology	Oxidation characteristics of colloidal pyrite and its environmental effects in Tongling mining area	
9:50–10:26	Oral Presentations			
10:26–10:40	Coffee Break			
10:40–11:00	Wensheng Shu	South China Normal University	AMD: model system for eco-environment studies	Lixiang Zhou Liyuan Chai
11:00–11:20	Liyuan Chai	Central South University	Microbial remediation of chromium-containing slag	
11:20–11:40	Xiancai Lu	Nanjing University	Interaction mechanisms of metal sulfide with microorganisms and the environmental effects	
11:40–12:00	Anhuai Lu	Peking University	Synergetic mechanism between minerals and microorganisms and the applications	
12:00–12:36	Oral Presentations			
12:36–14:00	Lunch			

Session 22. Environmental Chemistry and Toxicology of Pesticides

Chair: Weiping Liu, Meirong Zhao

Date: Oct 20 Location: East 2-203 Assistant: Chao Xu (chaoxu@zjut.edu.cn, 13858003441)

Time	Speaker	Affiliation	Title	Moderator
14:00–14:30	Baoan Song	Guizhou University	Development of green pesticides and environmental safetyctericide chlorothalonil	

14:30–14:50	Jing You	Jinan University	Toxicity, bioavailability and biotransformation of currently applied pesticides in benthonic animals	Weiping Liu
14:50–15:10	Rimao Hua	Anhui Agricultural University	Photocatalytic degradation performance of bactericide chlorothalonil	Rimao Hua
15:10–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Yijun Wu	Institute of Zoology, Chinese Academy of Sciences	Multi-neurotoxicity of organophosphate pesticides	Zhiqiang Zhou
16:30–16:50	Hong Yang	Nanjing Agricultural University	Detoxification and metabolic mechanisms of residual pesticides in crops	Yunlong Yu
16:50–17:50	Oral Presentations			
18:00–19:30	Dinner			

Session 23. Research on Persistent Organic Pollutants (POPs)

Chair: Minghui Zheng, Bixian Mai

Date: Oct 20 -21 Location: Mong Man Wei Building 223 Assistant: Haifeng Qian (hfqian@zjut.edu.cn, 13588450337)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Gang Yu	Tsinghua University	Pollution characteristics and risks of organic flame retardants in indoor dust	Minghui Zheng Liang Dong
14:20–14:40	Jiping Chen	Dalian Institute of Chemical,Phy- sics,Chinese Academy of Sciences	Analysis of short chain chlorinated paraffins and its toxic effects	
14:40–15:00	Qinghua Zhang	Research Center for Eco- Environmental Sciences, Chinese Academy of Sciences	Characteristics of long-distance transport of POPs	
15:00–15:45	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Yongning Wu	China National Center for Food Safety Risk Assessment	Risk assessment of POPs in food	Bixian Mai Ting Zhang
16:30–16:50	Bixian Mai	Guangzhou Institute of Geochemis- try, Chinese Academy of Sciences	Bioaccumulation and transfer of POPs in food chain	
16:50–17:50	Oral Presentations			
18:00–19:30	Dinner			

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Yeru Huang	National Research Center for Environmental Analysis and Measurement	Pollution characteristics and transfer analysis of perfluorinated compounds in groundwater	Yeru Huang Wenbin Liu
8:50–9:10	Christopher P. Higgins	Colorado School of Mines, USA	The Importance of poly- and perfluoroalkyl substances derived from aqueous film forming foams as drinking water contaminants	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Taicheng An	Guangdong University of Technology	Emission characteristics and risk assessment of SVOCs during e-waste recycling	Qifei Huang Yifei Sun
11:00–11:20	Qifei Huang	Institute of Soil and Solid Waste, Chinese Research Academy of Environmental Sciences	Treatment of hazardous wastes and pollution control of POPs	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 24. Environmental Chemistry of Microplastics

Chair: Yongping Zeng, Rong Ji

Date: Oct 21 -22 Location: Mong Man Wei Building 223 Assistant: Yili Huang (yilihuang@zju.edu.cn, 18758277445)

Oct 21, PM				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Daoji Li	East China Normal University	Challenges in marine microplastics research: methodology	Daoji Li Rong Ji
14:20–14:40	Juying Wang	National Marine Environmental Monitoring Center	Distribution and composition of microplastics in offshore surface water in China	
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Yongming Luo	Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences	Microplastic pollution and control in marine, land, and air	Juying Wang
16:30–16:50	Rong Ji	Nanjing University	Impacts of microplastics on the degradation of environmental pollutants and bioaccumulation	Yongming Luo

16:50–18:05	Oral Presentations			
18:05–19:30	Dinner			
Oct 22, AM				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Huahong Shi	East China Normal University	Research on microplastics: new opportunities and challenges	Huahong Shi Yongping Zeng
8:50–9:10	Yixiang Deng	Chinese Research Academy of Environmental Sciences	Current status and problems of microplastic pollution management in China	
9:10–10:25	Oral Presentations			
10:25–10:40	Coffee Break			
10:40–11:05	Yongping Zeng	Jinan University	Combined pollution of microplastics and persistent organic pollutants	Yixiang Deng Yan Lin
11:05–11:25	Yan Lin	Institute of Geochemistry, Chinese Academy of Sciences	Challenges in the analysis of microplastics in environmental samples	
11:25–12:35	Oral Presentations			
12:35–14:00	Lunch			

Session 25. Marine Environmental Chemistry

Chair: Dongxing Yuan, Zhonghua Lin, Xiaolin Li

Date: Oct 22 Location: Mong Man Wei Building 139 Assistant: Shanshan Zhou (sszhou@zjut.edu.cn, 13777806251)

Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:52	Sumei Liu	Ocean University of China	Nutrient cycling and its ecological effects in offshore areas	Dongxing Yuan
8:52–9:14	Zulin Zhang	Xiamen University	Typical persistent organic pollutants in abyss	
9:14–10:14	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:02	Chunsheng Wang	Second Institute of Oceanography, Soa	Potential impacts of deep sea mineral resources and exploration on deep sea environment	Xiaolin Li
11:02–11:24	Jianhua Ju	South China Sea Institute of Oceanology, Chinese Academy of Sciences	Marine bioactive microbial metabolites and their applications	
11:24–12:24	Oral Presentations			
12:30–14:00	Lunch			

Session 26. Environmental Chemistry of High-mountain and Polar Regions

Chair: Qinghua Zhang, Boudeau

Date: Oct 20 Location: East 2-301 Assistant: Ruo He (heruo@zju.edu.cn, 18858153130)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:25	Derek Muir	Environment & Climate Change Canada	Do trends of new and legacy contaminants in the arctic reflect global use, emissions and production bans?	Boudeau Zhiyuan Cong
14:25–14:45	Zhouqing Xie	University of Science and Technology of China	Progress in environmental chemistry study of mercury in the antarctic & arctic	
14:45–15:05	Haiyan Jin	Second Institute of Oceanography	Influence of rapid change of arctic on the structure of “biological pump” and organic carbon sink in the arctic	
15:05–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Zhiyuan Cong	Institute of Tibetan Plateau Research,Chinese Academy of Sciences	Environmental processes and effects of atmospheric aerosols transported from South Asia to Tibet Plateau	Qinghua Zhang Zhouqing Xie
16:30–16:50	Minghong Cai	Polar Research Institute of China	Analytical method of ultra-trace amount of POPs in the polar area based on large volume solid phase extraction	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			

Session 27. Environmental Electrochemistry

Chair: Jinping Jia, Aijie Wang, Yujie Feng

Date: Oct 20 - 21 Location: East 2-102 Assistant: Liang Zhu (13858112579, felix79cn@zju.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00-14:20	Yujie Feng	HarBin Institute of Technology	Wastewater treatment based on microbial electrochemistry: opportunities and challenges	Jinping Jia
14:20–14:40	Guohua Zhao	Tongji University	Development of environmental electrochemical technology	Hong Liu
14:40–15:00	Shaoan Cheng	Zhejiang University	Biofilm formation and electricity generation from aerobic anode	

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15:00–16:00	Oral Presentations			
16:00–16:10	Coffee Break			
16:10–16:30	Jinping Jia	Shanghai Jiao Tong University	Microbial fuel cells for wastewater treatment: a discussion based on main factors in electrochemistry	Yujie Feng Guohua Zhao
16:30–16:50	Hong Liu	Guangzhou University	Kinetics of oxidation-reduction reactions in the Coulomb analysis of biochemical degradation of organic matters	
16:50–17:10	Xianwei Liu	University of Science and Technology of China	Enhancement of extracellular electron transfer in electroactive cells	
17:10–18:25	Oral Presentations			
18:25–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Haibo Lin	Jilin University	Electrocatalytic kinetics of the three - dimensional Titanium - based BDD electrodes	Shaoan Cheng Feng Zhao
8:50–9:10	Xiaoquan Lu	Tianjin University	Visualization analysis of heavy metal ions	
9:10–9:30	Mindong Bai	Xiamen University	Treatment of algae-laden water based on intensive atmospheric pressure ionization discharge	
9:30–10:30	Oral Presentations			
10:30–10:40	Coffee Break			
10:40–11:00	Feng Zhao	Institute of Urban Environment, Chinese Academy of Sciences	Functions of extracellular polymeric substances in microbial electron transfer	Haibo Lin
11:00–11:20	Peng Liang	Tsinghua University	Applications of microbial electrochemical sensor in water quality warning	Xiaoquan Lu
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			

Session 28. Environmental Radiochemistry

Chair: Zhifang Chai, Xiangke Wang, Shuao Wang

Date: Oct 21 – 22 Location: East 2-201 Assistant: Chaochao Gao (18858197352, gaocc@zju.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–9:00	Daniel Giammar	Washington University	Expanding the application of surface complexation modeling for uranium adsorption to minerals and engineered sorbents	XiangkeWang
9:00–9:20	Wangsuo Wu	Lanzhou University	Progress of environmental radiochemistry	Shuao Wang

9:20–10:29	Oral Presentations			
10:29–10:40	Coffee Break			
10:40–11:00	Maolin Zhai	Peking University	Research on the radiochemistry of ionic liquids	Wangsuo Wu
11:00–11:20	Ning Liu	Sichuan University	Applications of ion beam analysis (iba) techniques in environmental science	
11:20–12:38	Oral Presentations			Yuezhou Wei
12:38–14:00	Lunch			
14:00–14:20	Weiqun Shi	Chinese Academy of Sciences	Actinide immobilisation: from porous absorption to molecular assembly	Ning Liu Maolin Zhai
14:20–14:40	Anyun Zhang	Zhejiang University	Palladium (II) coordination chemistry: structure and applications of multi-nitrogen s-triazine derivatives	
14:40–15:46	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Shoujian Li	Sichuan University	Preparation and radionuclide screening of graphene nanofiltration membrane with supportive nanodiamond	Weiqun Shi Anyun Zhang
16:30–16:50	Haijun Dang	Northwest Institute of Nuclear Technology	Progress and prospects of environmental radioactivity monitoring technology	
16:50–17:53	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Yuezhou Wei	Guangxi University	Removal of low-level radionuclides in water by porous silicon-based adsorbents	Haijun Dang Wei Han
8:50–9:10	Qingnuan Li	Chinese Academy of Sciences	Actinide chemistry of Th-U cycling in molten-salt reactors	
9:10–10:19	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Wei Han	Harbin Engineering University	Electrochemical extraction of rare earth elements in salt solid-liquid electrodes of LiCl-KCL molten system	Shoujian Li Qingnuan Li
11:00–11:20	Tao Duan	Southwest University of Science and Technology	Mechanisms of Zircon-based immobilization of radionuclides and its stability	
11:20–12:32	Oral Presentations			
12:32–14:00	Lunch			

Session 29. Green Energy Chemistry

Chair:Shaoan Cheng, Baoyu Xia

Date: Oct 21 – 22 Location: East 1B-212 Assistant:Yanqing Cong (13858095801, yqcong@zjgsu.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Minhua Shao	Hong Kong University of Science and Technology	Reaction pathways of CO2 and N2 electroreduction reaction	Tierui Zhang Liqiang Jing
14:20–14:40	Xinbo Zhang	Chinese Academy of Sciences	Key materials and devices of high energy lithium air batteries	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Tierui Zhang	Chinese Academy of Sciences	Rational design and construction of solar fuel photocatalytic materials	Minhua Shao Xinbo Zhang
16:30–16:50	Liqiang Jing	Heilongjiang University	Photocatalysis study based on the modulation of photo-generated charge	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Guoxiong Wang	Chinese Academy of Sciences	Fundamentals of the electrochemical catalysis of carbon dioxide	Zidong Wei Dehua Wang
8:50–9:10	Chao Gao	Zhejiang University	High performance aluminum - graphene battery	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Zidong Wei	Chongqing University	High efficiency water electrolysis technology	Chao Gao Guoxiong Wang
11:00–11:20	Dehua Wang	Wuhang University	Simultaneous capture of CO2 and SO2 and value-added resource recovery technology	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 30. Environmental Chemistry of Iron

Chair: Lizhi Zhang, Weixian Zhang, Xiaohong Guan

Date: Oct 21-22 Location: East 2-301 Assistant: Lin Qiu (qiulinzju@zju.edu.cn, 13732230756)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Weixian Zhang	Tongji University	On the heavy metals - nanoscale zero-valent iron (nZVI) reactions	Juan Liu Hui Liu
8:50–9:10	Liang Shi	China University of Geosciences	Mechanisms and applications of extracellular electron transfer between microorganisms and ferruginous minerals	
9:10–10:25	Oral Presentations			
10:25–10:40	Coffee Break			
10:40–11:00	Paul Tratnyek	Oregon Health and Science University	Effects of sulfidation on the reactivity of iron and iron oxides withcontaminants	Lin Tang Zimeng Wang
11:00–11:20	Tongxu Liu	Guangdong Institute of Eco-environment and Soil Sciences	Anaerobic ferrous oxidation coupled with nitrate reduction: quantification of chemical denitrification and enzymatic reactions	
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			
14:00–14:25	David Waite	University of New South Wales	Mechanistic insights into iron redox transformations in the presence of natural organic matter: impact of pH and light	Lizhi Zhang Ying Zhao
14:25–14:50	Thomas B. Hofstetter	EAWAG	Characterization of the redox properties of iron minerals by electrochemical analyses	
14:50–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Feng He	Zhejiang University of Technology	Studies on the degradation of thichloro ethylene by ball milling vulcanized zero iron in groundwater: degradation pathway, kinetics, mechanism and electronic efficiency Application of porous framework materials in sample pretreatment and chromatography separation	Weixian Zhang Xiangyu Wang
16:30–16:50	Jinlan Xia	Central South University	Mophological transformations, redox reactions, and in-situ characterization of iron and sulfur at the mineral-microbe interface	
16:50–18:05	Oral Presentations			
18:05–19:30	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Lizhi Zhang	Central China Normal University	Regulation of surface iron cycle and its environmental implications	Xiaohong Guan Jinhua Wu
8:50–9:10	Yaobin Zhang	Dalian University of Technology	Iron oxide facilitated anaerobic digestion and energy recovery from organic materials	

9:10–10:25	Oral Presentations			
10:25–10:40	Coffee Break			
10:40–11:00	Zuliang Chen	The University of Newcastle	Nanoremediation by iron based nanoparticles: where to go?	Cheng Gu Zhihui Ai
11:00–11:20	Bingcai Pan	Nanjing University	Sub-10nm iron oxide composite and its characteristics in advanced pollutant removal	
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			

Session 31. Environmental Chemistry of Nanomaterials

Chair: Xie Quan, Bing Yan, Zhang Lin

Date: Oct 21-22 Location: East 2-202 Assistant: Kun Yang (kyang@zju.edu.cn, 18868793939)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:25	Pedro J. Alvarez	Rice University	Nanotechnology-enabled water treatment: a vision to enable decentralized water treatment and address growing challenges of the water energy nexus	Xie Quan Yujie Feng
14:25–14:45	Xiangke Wang	North China Electric Power University	Preparation and applications of nanocomposites in pollutant remediation: advanced spectroscopy and theoretical calculations	
14:45–15:55	Oral Presentations			
15:55–16:15	Coffee Break			
16:15–16:35	Yujie Feng	Harbin Institute of Technology	Improved separation of Nano-TiO ₂ photogenerated charge and its photocatalytic performance	Xiangke Wang Lizhi Zhang
16:35–16:55	Bingcai Pan	Nanjing University	Characteristics and effective decontamination performance of polystyrene sub-10nm Fe(III) oxide composites	
16:55–18:05	Oral Presentations			
18:05–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Lizhi Zhang	Central China Normal University	Nanoscale heterogeneous Fenton catalysts	Jingfu Liu Wei Chen
8:50–9:10	Junfeng Niu	Beijing Normal University	Hydroxyl multi-walled carbon nanotube-modified nanocrystalline anodes for decomposition of organic pollutants in aqueous solution	
9:10–10:20	Oral Presentations			

10:20–10:40	Coffee Break			
10:40–11:00	Jingfu Liu	Chinese Academy of Sciences	Formation and transformation of sliver nanoparticles	Zhang Lin Bingcai Pan
11:00–11:20	Wei Chen	Nankai University	Mechanisms and structure-function of artificial nanomaterial-mediated abiotic degradation of pollutants in water	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			
14:00–14:20	Sijin Liu	Chinese Academy of Sciences	Exploring the environmental bioeffects of nanomaterials	Bing Yan Kun Yang
14:20–14:40	Qiuquan Wang	Xiamen University	SERS environment analysis based on nano-reinforcement	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Qian Liu	Chinese Academy of Sciences	Stable isotopic fingerprints of environmental nanoparticles	Sijin Liu Qiuquan Wang
16:30–16:50	Meng Liu	Dalian University	Instant detection technology of pathogenic Escherichia coli	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			

Session 32. Environmental Catalytic Materials

Chair: Yongfa Zhu, Hong He, Hexing Li

Date: Oct 20 - 22 Location: East 2-101 Assistant: Yuezhong Wen (15355025858, wenyuezhong@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Yexiang Tong	Sun Yat-sen University	Preparation of transition metal nano catalytic materials and applications	Hong He
14:20–14:40	Wei Chen	National University of Singapore	Surface catalytic mechanism of methane dry reforming reactions	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Zhen Zhao	China University of Petroleum	Synthesis, characterization and environmental catalytic performance of inorganic porous materials	Junhua Li
16:30–16:50	Yanbing Guo	Central China Normal University	Low temperature oxidative nanocatalysts for treating diesel engine exhaust	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Guohua Zhao	Tongji University	Selective photocatalytic degradation of environmental pollutants	Hexing Li
8:50–9:10	Yujie Xiong	University of Science and Technology of China	Solid chemistry basis of light-driven catalysis	
9:10–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Baoqiang Wang	The Chinese University of Hong Kong	Enhanced visible-light-driven photocatalytic inactivation of bacteria by calcined natural pyrite	Guohua Zhao
11:00–11:20	Jianmei Lu	Soochow University	Manufacture and application of nano/micro functional materials	
11:20–12:30	Oral Presentations			
12:30–14:00	Lunch			
14:00–14:20	Yongfa Zhu	Tsinghua University	Supramolecular photocatalysis and its applications in environmental purification	Yujie Xiong
14:20–14:40	Jiguang Deng	Beijing University of Technology	Preparation of platinum catalysts by molten salt method and their VOC removal performance	
14:40–15:50	Oral Presentations			
15:50–16:10	Coffee Break			
16:10–16:30	Chuncheng Chen	Institute of Chemistry, Chinese Academy of Sciences	Mechanism and regulation of photocatalytic degradation of organic pollutants	Yongfa Zhu
16:30–16:50	Jinlong Zhang	East China University of Science and Technology	Nano photocatalytic materials for effective degradation and synergistic SERS detection of environmental pollutants	
16:50–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sun, Oct 22				
8:30–10:10	Oral Presentations			Liqiang Jing
10:20–10:40	Coffee Break			
10:40–12:30	Oral Presentations			Chuncheng Chen
12:30–14:00	Lunch			

Session 33. Environmental Pollution of Mercury

Chair: Xinbin Feng, Shuxiao Wang

Date: Oct 20 — 21 Location: East 1B-312 Assistant: Xiaomin Zhu (15925659170, zhuxm@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Xinbin Feng	Chinese Academy of Sciences	Mercury stable isotope compositions in airborne particulate matters in ambient air in China	Xinbin Feng Shuxiao Wang
14:20–14:40	Shuxiao Wang	Tsinghua University	Status and prospect of atmospheric mercury pollution control in China	
14:40–15:55	Oral Presentations			
15:55–16:10	Coffee Break			
16:10–16:30	Jinping Cheng	Shanghai Jiao Tong University	Morphological transformation characteristics of atmospheric mercury during photochemical pollution	Jinping Cheng Jianbo Shi
16:30–16:50	Jianbo Shi	Chinese Academy of Sciences	Application of stable isotopes to trace sources of mercury in soils fromg Tibetan Plateau	
16:50–18:05	Oral Presentations			
18:05–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Shichang Kang	Chinese Academy of Sciences	Progresses of study on mercury geochemistry over the cryosphere of the western China	Shichang Kang Lin Che-Jen
8:50–9:10	Lin Che-Jen	Lamar University	Precipitation-enhanced accumulation of mercury on subtropical montane forest floor: stable isotope evidence	
9:10–10:25	Oral Presentations			
10:25–10:40	Coffee Break			
10:40–11:00	Naiqiang Yan	Shanghai Jiao Tong University	Mercury control in exhaust gases based on morphological regulation	Naiqiang Yan Hailong Li
11:00–11:20	Hailong Li	Central South University	Immobilization of elemental mercury in coal combustion flue gas with new sulfide mineral adsorbent	
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			

Session 34. Environmental Pollution and Control of As and Sb

Chair: Chuanyong Jing, Yanxin Wang

Date: Oct 21— 22 Location: East 1B-312 Assistant: Jianying Zhang (13305716108, zjy@zju.edu.cn)

Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
13:30–14:00	Yongfeng Jia	Chinese Academy of Sciences	Solid-liquid interface behavior of thioarsenic	Chuanyong Jing
14:00–14:30	Mengchang He	Beijing Normal University	Antimony pollution in China: progress and prospect	
14:30–14:50	Yan Zheng	Southern University of Science and Technology	Source tracing of groundwater deposits in low and high arsenic contaminated groundwater in Bangladesh	
14:50–15:10	Gejiao Wang	Huazhong Agricultural University	Molecular mechanism and metabolic pathway of antimony trioxide in bacteria	
15:10–15:30	Xianjun Xie	China University of Geosciences	Pollution risk prediction for geogenic high-arsenic groundwater: a case study of Datong Basin	
15:30–15:50	Dinner			
15:50–16:20	Tangfu Xiao	Guangzhou University	Microbial geochemical behaviors of antimony in soils	Yanxin Wang
16:20–16:40	Xun Zhao	Chinese Academy of Sciences	Formation of Fe-Mn layered hydrate and removal of Sb (V) during enhanced coagulation by manganese sulfate	
16:40–17:00	Zhaoyang Wei	Chinese Academy of Sciences	Bioaccumulation and transformation of arsenic in terrestrial ecosystems in high arsenic area	
17:00–18:30	Oral Presentations			
18:30–20:00	Dinner			
Sun, Oct 22				
Time	Speaker	Affiliation	Title	Moderator
8:30–9:00	Xiaoguang Meng	Stevens Institute of Technology	Progress and challenges in arsenic treatment	Chuanyong Jing
9:00–9:30	X. Chris Le	University of Alberta	Recent advances in understanding environmental chemistry of arsenic	
9:30–10:15	Oral Presentations			
10:15–10:30	Coffee Break			
10:30–10:50	Fangjie Zhao	Nanjing Agricultural University	Biogeochemical cycle of arsenic in paddy soils	Yanxin Wang
10:50–11:35	Oral Presentations			
11:35–12:05	Chuanyong Jing	Chinese Academy of Sciences	Arsenic and antimony adsorption and catalytic oxidation by TiO ₂	

Session 35. Environmental Pollution and Effect of PPCPs

Chair: Guangguo Ying, Gang Yu, Hong Chen

Date: Oct 20 —21 Location: East 1B-212 Assistant: Li Ji (15990149426, jilienv@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:20	Guangguo Ying	Institute of Geochemistry, Chinese Academy of SciencesSouth China Normal University	Environmental pollution and effects of drugs and personal care products: review and prospect	Guangguo Ying Gang Yu
14:20–16:05	Oral Presentations			
16:05–16:25	Coffee Break			
16:25–16:45	Lei Wang	Nankai University	Combined pollution by benzo three triazole and heavy metals	Guangguo Ying Gang Yu
16:45–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
8:30–8:50	Tong Zhang	University of Hong Kong	Using metagenomics and mass spectrometry to study the microbial communities and biodegradation pathways of antibiotics	Hong Chen Zhimin Qiang
8:50–9:10	Zhimin Qiang	Chinese Academy of Sciences	Mechanism of humic acid accelerated degradation of levofloxacin by potassium permanganate	
9:10–10:25	Oral Presentations			
10:25–10:35	Coffee Break			
10:35–10:55	Yi Luo	Nankai University	Conjugative multidrug resistance plasmid mediated transmission and spread of antibiotic resistance genes	Hong Chen Zhimin Qiang
10:55–11:15	Hong Chen	Zhejiang University	Horizontal gene transfer of antibiotic resistance genes in environment and the in fluencing factors	
11:15–12:30	Oral Presentations			
12:30–14:00	Lunch			

Session 36-37. Graduate Student and Young Professional Symposium

Session 38. J. Environ. Sci. Symposium

Chair: Xiaochun Le, Guibin Jiang, Chunxia Wang

Date:Oct 20 Location: Mong Man Wei Building 138 Assistant: Yijun yao (13454104988, yjy@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:25	Jerald.L. Schnoor	University of Iowa	Plant/Microbe transformation of PCB congeners and metabolites	X. Chris Le Chunxia Wang
14:25–16:10	Oral Presentations			
16:10–16:30	Coffee Break			
16:30–18:00	Oral Presentations			X. Chris Le Chunxia Wang
18:00–19:30	Dinner			

Session 39. ACS Publications Forum

Chair: Xiangdong Li

Date:Oct 20-21 Location: Mong Man Wai Building 139 Assistant: Xiaoying Zhu (18758247884, zhux@zju.edu.cn)

Fri, Oct 20				
Time slot	Duration (min)	Presenter	Institution	
14:00–14:15	15	Introduction to ACS		
		Rhea Williams	Managing Editor, ACS Publications	
14:15–15:00	45	Introduction to environmental chemistry journals at ACS Publications		
		David Sedlak	University of California, Berkeley, Editor-in-Chief of ES&T and ES&T Letters	
		Bruce Logan	Pennsylvania State University, Editor of ES&T Letters	
		David Allen	University of Texas at Austin, Editor-in-Chief of ACS Sustainable Chemistry & Engineering	
		Chongxuan Liu	Southern University of Science and Technology of China, Associate Editor of ACS Earth and Space Chemistry	
15:00–15:45	45	Tips for Publishing		Chair
		Shu Tao	Peking University , Associate Editor of ES&T	Staci Simonich
		Daniel Giammar	Washington University in St. Louis , Washington University in St. Louis, Associate Editor of ES&T	
		David Allen	University of Texas at Austin , Editor-in-Chief of ACS Sustainable Chemistry & Engineering	

15:45–16:00	Coffee break				
16:00–16:30	30	Ethics in Publishing			
16:30–17:15	45	Peer Review			
17:15–17:30	15	Closing remarks			
17:30–19:00	Dinner				
October 21 2017					
Time slot	Duration (min)	Presenter	Institution	Topic	Chair
8:30–8:40	10	David Sedlak	University of California,Berkeley	Welcome & Opening Remarks	Guibin Jiang
8:40–9:05	25	Pedro J. Alvarez	Rice University	Polyvalent phages for control of multidrug-resistant “superbugs” (NDM-1 positive) in sewage treatment plants	
9:05–9:30	25	Susan Richardson	University of South Carolina	Does granular activated carbon filtration make my drinking water safer?	
9:30–9:55	25	T. David Waite	University of New South Wales	Recent advances in salt and contaminant removal from brackish waters by capacitive deionisation technologies	
9:55–10:20	25	Timothy J. Strathmann	Colorado School of Mines	Integrated bio-hydrothermal-catalytic pathways for optimum conversion of algal biomass and wastewater biosolids to liquid transportation fuels	
10:20–10:50	Coffee break				
10:50–11:15	25	David Allen	University of Texas at Austin	Air quality impacts of expanded natural gas production	Bruce Logan
11:15–11:40	25	Shu Tao	Peking University	Filling data gaps for a better understanding of the impact of rural residential energy use in China	
11:40–12:05	25	Staci Simonich	Oregon State University	Combining chemistry, engineering, and toxicology to better understand remediation of PAH contaminated soils	
12:05–12:30	25	Daniel Giammar	Washington University in St. Louis	Oxidation of metals and metalloids by manganese oxides and by soluble Mn(III)	
12:30–14:00	Lunch				
14:00–14:25	25	Guibin Jiang	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Identifying new chemical pollutants in the Chinese environment	David Allen
14:25–14:50	25	Keri Hornbuckle	niversity of Iowa	Legacy versus modern: sources of PCBs and OH-PCBs to the environment	
14:50–15:15	25	Jennifer Field	Oregon State University	Using Past lessons to limit future environmental impacts of per- and polyfluoroalkyl substances (PFASs) in Aqueous Film-Forming Foams (AFFF)	
15:15–15:40	25	Daniel Schlenk	University of California, Riverside	Biological and chemical activities of extracts from plastics collected from the North Pacific Gyre and plastics treated with UV-light	
15:40–15:55	Coffee break				

15:55–16:20	25	Thomas B. Hofstetter	EAWAG	Using stable isotopes to track transformation processes of organic micropollutants	David Sedlak
16:20–16:45	25	Xiangdong Li	The Hong Kong Polytechnic University	A century of mercury inputs to chinese marginal seas	
16:45–17:10	25	Chuanxian Liu	South China University of Science and Technology	Multiscale behavior of contaminant transformation and transport in subsurface environments	
17:10–17:35	25	Wonyong Choi	Pohang University of Science and Technology	Environmental chemical processes in Frozen solutions	
17:35–17:45	10	Guibin Jiang	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Concluding Remarks	
18:00–20:30	Dinner				

Session 40. Overseas Chinese Scholar Forum

Chair: Jay Gan

Date: Oct 21 Location: Mong Man Wai Building 138 Assistant: Wei Wang (18668070966, wei_wang@zju.edu.cn)

Fri, Oct 21					
Time slot	Duration (min)	Presenter	Institution	Topic	Chair
8:30–8:45	15	Guibin Jiang	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Welcome & Opening Remarks	Jay Gan
8:45–9:15	30	Yongsheng Chen	Georgia Institute of Technology	Novel nanomaterials for blue energy generation using salinity gradient	
9:15–9:45	30	Chinghua Huang	Georgia Institute of Technology	Identification and contributions of reactive species to micropollutant degradation under advanced oxidation conditions	
9:45–10:15	30	Zhen (Jason) He	Virginia Polytechnic Institute and State University	Resource recovery from wastewater using bioelectrochemical systems: yesterday, today, and tomorrow	
10:15–10:30	Coffee break				
10:30–11:00	30	X. Chris Le	University of Alberta	Detection of DNA damage and protein biomarkers for environmental health research	Jay Gan
11:00–11:30	30	Paul Lam	City University of Hong Kong	Environmental fate and risks of emerging chemicals of concern in coastal region of south China	
11:30–12:00	30	Yinsheng Wang	University of California, Riverside	Mass spectrometry for assessing the occurrence, repair and biological consequences of DNA damage	

12:00–12:30	30	Zongwei Cai	Hong Kong Baptist University	Mass spectrometry-based techniques for the investigation on toxicological mechanisms of bisphenol F in breast cancer xenografts	
12:30–14:00	Lunch				
14:00–14:30	30	Renyi Zhang	Texas A&M University	Understanding severe haze formation in China: progress and challenges	X.F. Li
14:30–15:00	30	Yuxuan Wang	University of Houston	Understanding the contributions of chemistry, emission, and meteorology to high wintertime PM2.5 levels in China	
15:00–15:30	30	Heileen Hsu-Kim	Duke University	Recovery of rare earth elements from coal ash wastes	
15:30–15:45	Coffee break				
15:45–16:15	30	Baohua Gu	Oak Ridge National Laboratory	Polyfunctional properties of dissolved organic matter and its coupled reactions with microbes on mercury species transformation and methylmercury production	X.F. Li
16:15–16:45	30	Huiming Bao	Louisiana State University	High-dimensional isotope signatures in atmospheric sulfate	
16:45–17:15	30	Yong Cai	Florida International University	Thiolated arsenicals: occurrence and implications	
17:15–17:45	30	Xiaoguang Meng	Stevens Institute of Technology	Combining basic and applied research in treatment of arsenic in water	
17:45–18:00	15	Weiping Liu	Zhejiang University	Concluding Remarks	
18:00–20:30	Campus tour & reception				

Session 41. “Toxicity and Health Effects of Fine Particulate Matter ” Symposium

Chair:Guibin Jiang, Yukui Zhang, Chunxia Wang, Qiankun Zhuang

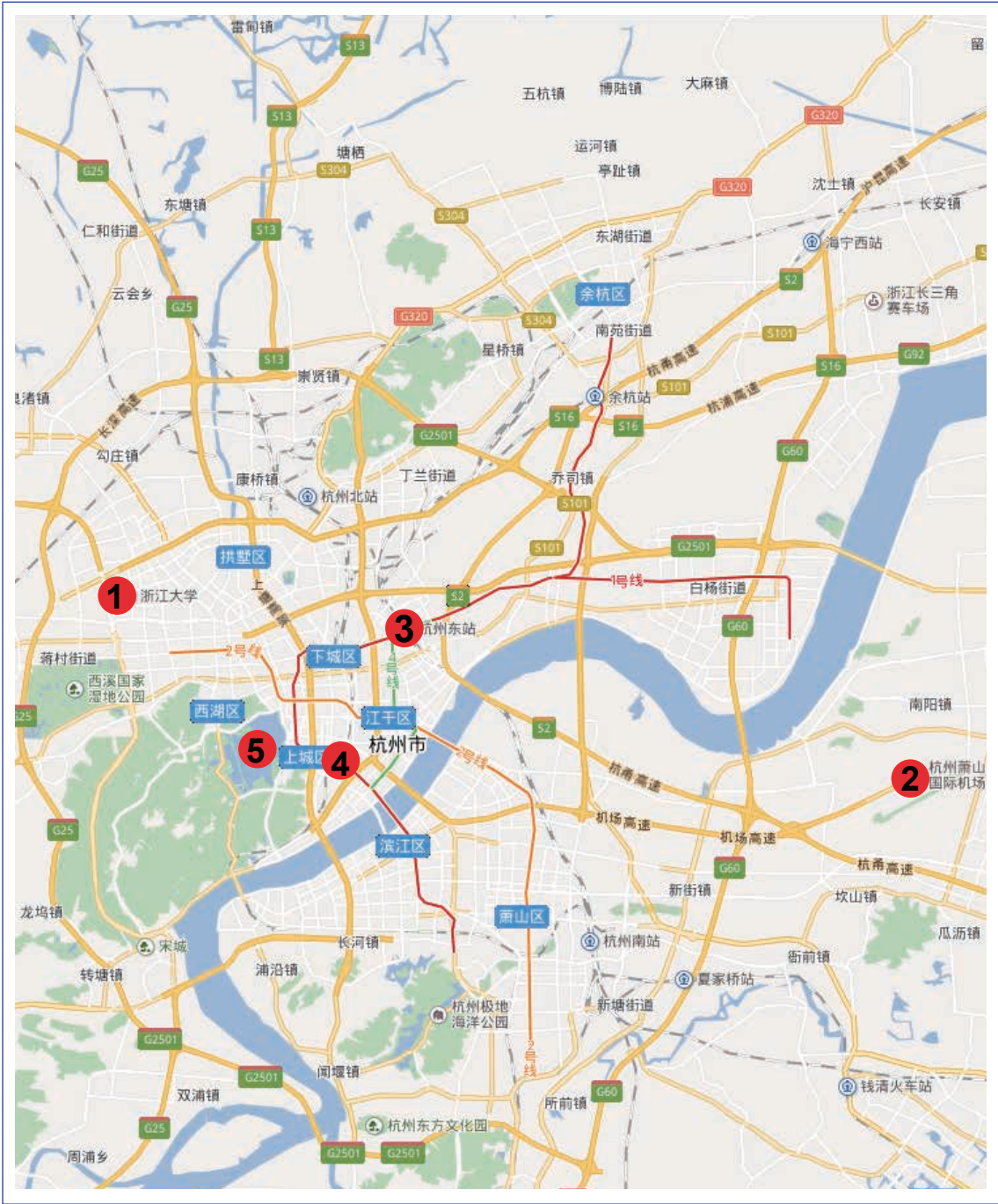
Date：Oct 20 – 21 Location：Mong Man Wei Building 225 Assistant：Shulin Zhuang (15158092823, shulin@zju.edu.cn)

Fri, Oct 20				
Time	Speaker	Affiliation	Title	Moderator
14:00–14:10	Guibin Jiang	Chinese Academy of Sciences	Progress of the major research project “Toxicology and health effects of atmospheric fine particles”	Chunxia Wang
Environmental epidemiology of atmospheric fine particulate pollution				Yongning Wu Yuxin Zheng
14:10–14:30	Jianfeng Huang	Chinese Academy of Medical Sciences	Long term impacts of atmospheric fine particulate matter on cardiovascular disease and its prediction	
14:30–14:50	Weihong Chen	Huazhong University of Science and Technology	Epigenetic characteristics of airborne fine particulate matter and its relationship with cardiovascular damage	
14:50–15:10	Shunqing Xu	Huazhong University of Science and Technology	Relationships between fine particulate matter exposure and childhood wheezing and asthma	
15:10–15:30	Haidong Kan	Fudan University	Mechanism of heart and lung damage caused by fine particulate matter	

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15:30–15:45	Oral Presentations			
15:50–16:10	Coffee Break			
Exposure, omics and exposure assessment methods for atmospheric fine particulate matter pollution				Weihong Chen Haidong Kan
16:10–16:30	Dianke Yu	Qingdao University	Key components of health damage caused by particulate matter emission from traffic exhaust gases and population biomarkers	
16:30–16:50	Lihua Zhang	Chinese Academy of Sciences	Proteomic and metabolic studies on the health effects of fine particulate matter	
16:50–17:10	Maosheng Yao	Peking University	Electrochemical extraction of rare earth elements in salt solid-liquid electrodes of LiCl-KCL molten system	
17:10–17:30	Ke Hao	Tongji University	Bio3Air, a system with high temporal and spatial resolution for detecting individual exposure levels to air pollution	
17:30–18:00	Oral Presentations			
18:00–19:30	Dinner			
Sat, Oct 21				
Time	Speaker	Affiliation	Title	Moderator
Key toxic components of atmospheric fine particles, toxicology and health effects				Shunqing Xu Ke Hao
8:30–8:50	Chuandao Li	Sun Yat-sen University	Mechanistic study of lung cancer caused by fine particulate matterexposure based on toxicity pathway	
8:50–9:10	Bing Yan	Shandong University	Molecular mechanisms at the interface between fine particles and cells	
9:10–9:30	Ling Jin	Hong Kong Polytech University	Comparison of key toxic components of atmospheric fine particles in the Yangtze River Delta and Pearl River Delta	
9:30–9:50	Guoqing Hu	Chinese Academy of Sciences	Formation mechanisms and molecular structure of pulmonary surfactant corona	
9:50–10:20	Oral Presentations			
10:20–10:40	Coffee Break			
10:40–11:00	Xiaomin Zhang	Huazhong University of Science and Technology	Characteristics of atomospheric fine particulate matter caused epigenetic changes and its association with cardiovascular damage	Bing Yan
11:00–11:20	Ying Liu	National Nano Science Center	Toxicological mechanisms of body damage induced by toxic components in atmospheric particulate matter	Chuandao Li
11:20–12:35	Oral Presentations			
12:35–14:00	Lunch			

Transportation Guide



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- 1. From Hangzhou Xiaoshan International Airport
 - Airport shuttle to Huanglong Tourist Gathering and Dispersing Center + Taxi
Take the airport shuttle to Huanglong Tourist Gathering and Dispersing Center and then taxi to Zhejiang University. The airport shuttle center is located near Exit 8. Departure: every 15 min, ticket fare: 20 yuan. Taxi fare: about 25 yuan.
 - Airport shuttle to Wulin Square + Taxi
Take the airport shuttle to Wulin Square and then taxi to Zhejiang University. The airport shuttle center is located near Exit 14. Departure: every 15 min, ticket fare: 30 yuan. Taxi fare: about 30 yuan.
 - Taxi
Distance to Zhejiang University is about 40km. Taxi fare: about 160 yuan.
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- 2. From Hangzhou East Railway Station or Hangzhou Railway Station:
 - Subway + Bus:
Subway Line 1 to West Lake Culture Square and bus 74 to Hangsan Bridge Station
 - Taxi:
Distance to Zhejiang University is about 15 km. Fare: about 50 yuan.

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Police: 110 (12 languages service available)
Fire: 119
First-aid Ambulance: 120
Other issues: please contact Prof. Daohui Lin at +86 13065727535 (cell)

Attendees from Overseas

Name	Institution
Xing-Fang Li	University of Alberta, Canada
Susan Richardson	University of South Carolina, USA
Changer Chen	Stockholm University, Sweden
Jianlin Wu	Macau University of Science and Technology, Macau
Hongzhi Zhao	Hong Kong Baptist University, Hong Kong
Xun Gong	Hong Kong Baptist University, Hong Kong
Yanjun Hong	Hong Kong Baptist University, Hong Kong
Lei Wang	National University of Singapore, Singapore
Chen Wang	Hong Kong Baptist University, Hong Kong
Kevin C Jones	Lancaster University, UK
Hao Zhang	Lancaster University, UK
Jennifer Field	Oregon State University, USA
Alfredo Alder	EAWAG, Switzerland
Chang He	The University of Queensland, Australia
Daniel Schlenk	University of California, Riverside, USA
Lianguo Chen	City University of Hong Kong, Hong Kong
Xulei Huang	National University of Singapore, Singapore
Ge Meng	National University of Singapore, Singapore
Binle Lin	National Technology of Advanced Industrial and Technology, Japan
Jinxia Liu	McGill University, Canada
Quanshun Zhang	Institute for In Vitro Sciences, Inc. USA
Ying Zhu	Lancaster University, UK
Meilan Huang	Queen's University Belfast, UK
Paul Tratnyek	Oregon Health and Science University, USA
Len. Sweet	Lubrizol Corporation, USA
Penglin Ye	Aerodyne Research CACC, USA
Dandan Huang	City University of Hong Kong, Hong Kong
Chan Man Nin	The Chinese University of Hong Kong, Hong Kong
Yunliang Zhao	Carnegie Mellon University, USA
Douglas Worsnop	Aerodyne Research CACC, USA
Zhenhong Yu	Aerodyne Research CACC, USA
Mingwei Zhao	Chung Yuan Christian University, Taiwan
Cary T. Chiou	National Cheng Kung University, Taiwan
Elizabeth Edwards	University of Toronto, Canada
Lei Wang	The Hong Kong Polytechnic University, Hong Kong
Christopher P. Higgins	Colorado School of Mines, USA
Derek Muir	Environment & Climate Change, Canada
Daniel Giammar	Washington University, USA
Chunbin Li	National Cheng Kung University, Taiwan
Minhua Shao	Hong Kong University of Science and Technology, Hong Kong

Name	Institution
Zhiyong Ren	University of Colorado Boulder, USA
David Waite	University of New South Wales, Australia
Thomas B. Hofstetter	EAWAG, Switzerland
Zimeng Wang	Louisiana State University, USA
Zuliang Chen	The University of Newcastle, Australia
Pedro J. Alvarez	Rice University, USA
Yi Jiang	The Hong Kong Polytechnic University, Hong Kong
Wei Chen	National University of Singapore, Singapore
Baoqiang Wang	The Chinese University of Hong Kong, Hong Kong
Lin Che-Jen	Lamar University, USA
Jinli Cui	The Hong Kong Polytechnic University, Hong Kong
Xiaoguang Meng	Stevens Institute of Technology, USA
X. Chris Le	University of Alberta, Canada
Wenjing Deng	The Education University of Hong Kong, Hong Kong
Tong Zhang	The University of Hong Kong, Hong Kong
Wenxuan Huang	National Yang-Ming University, Taiwan
Jerald.L. Schnoor	University of Iowa, USA
David Sedlak	University of California, Berkeley, USA
T. David Waite	University of New South Wales, Australia
Timothy J. Strathmann	Colorado School of Mines, USA
David Allen	University of Texas at Austin, USA
Staci Simonich	Oregon State University, USA
Xiang-dong Li	The Hong Kong Polytechnic University, Hong Kong
Wonyong Choi	Pohang University of Science and Technology, South Korea
Yongsheng Chen	Georgia Institute of Technology, USA
Chinghua Huang	Georgia Institute of Technology, USA
Zhen (Jason) He	Virginia Polytechnic Institute and State University, USA
Paul Lam	City University of Hong Kong, Hong Kong
Yinsheng Wang	University of California Riverside, USA
Zongwei Cai	Hong Kong Baptist University, Hong Kong
Renyi Zhang	Texas A&M University, USA
Yuxuan Wang	University of Houston, USA
Heileen Hsu-Kim	Duke University, USA
Baohua Gu	Oak Ridge National Laboratory, USA
Huiming Bao	Louisiana State University, USA
Yong Cai	Florida International University, USA
Xiaoguang Meng	Stevens Institute of Technology, USA
Bruce E. Logan	Pennsylvania State University, USA
Ariel Grostern	American Chemical Society, USA
Jay Gan	University of California Riverside, USA

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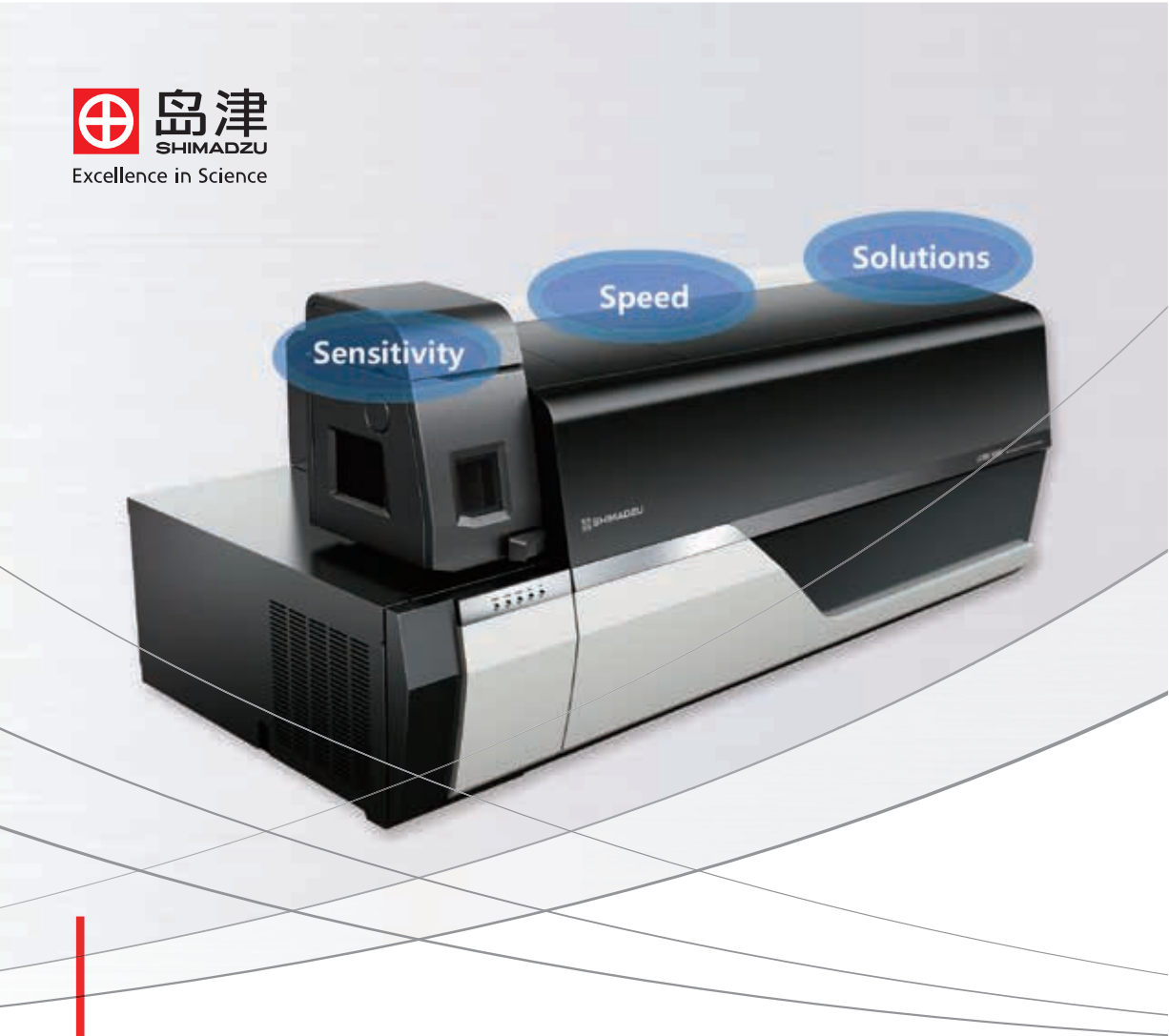
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