

## EPAM 2025

The 15<sup>th</sup> International Conference on  
Environmental and Public Health Issues  
in Asian Mega-cities

## EPAM 2025

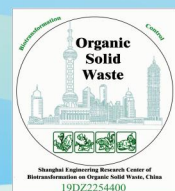
The 15<sup>th</sup> International Conference on  
Environmental and Public Health Issues  
in Asian Mega-cities

## CONFERENCE MANUAL

16-18 October 2025, Shanghai, China

### SUPPORTERS

The organizers of the conference would like to acknowledge the following supporters:



For more information and question:

Homepage. [sciforum.net/event/EPAM2025](http://sciforum.net/event/EPAM2025)

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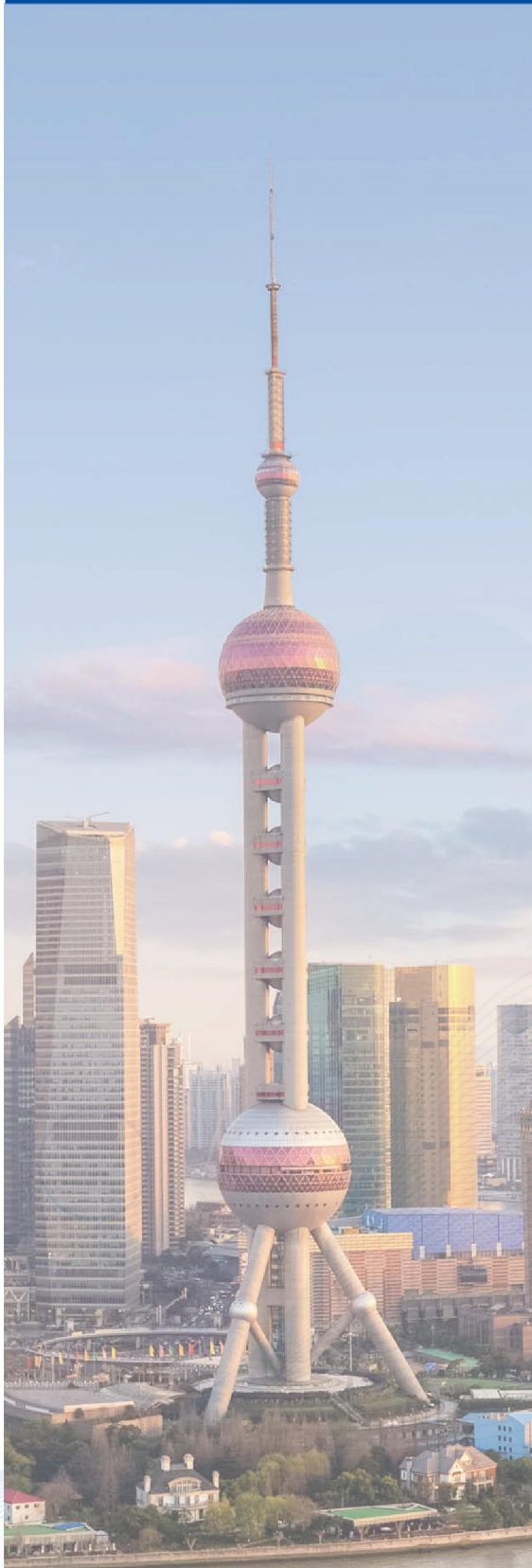


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## Conference Guidelines

The 15<sup>th</sup> International Conference on Environmental and Public Health in Asian Mega-cities (EPAM 2025) is hosted by East China Normal University, Shanghai, China. As the premier global academic platform in environmental and public health research, the EPAM International Conference remains dedicated to advancing sustainable development in Asia's mega-cities.

It has been held once a year since 2009 in rotation between Japan, Korea, and China. EPAM 2025 will be held from October 16 to 18, 2025, in the most beautiful and magical city, Shanghai, China. On behalf of organizing committee, EPAM 2025 Organizing Committee extends our highest respect to all supporting organizations, academic review board members, and distinguished attendees. Special acknowledgment is given to our strategic partners for their unwavering commitment to advancing global environmental discourse.

Join us in redefining ecological governance for Asia's future cities. We look forward to welcoming you to Shanghai, where academia, policy, and industry converge to shape a sustainable tomorrow. On behalf of the organizing committee, we would like to express our gratitude to our supporters, committees and presenters who made our conference a success. We wish all of you have a wonderful experience during the conference in Shanghai.

## Conference Chairs



**Local Chair**  
Prof. Bing Xie



**Co-Chair**  
Prof. Hyunook Kim



**Co-Chair**  
Prof. Young-Cheol Chang

## Scientific Committee

### Guibin Jiang

Research Center for Eco-Environmental  
Sciences, CAS, China

### David W. Graham

Newcastle University, UK

### Yu-You Li

Tohoku University, Japan

### Ju-Sung Park

Seoul Metropolitan Research Institute of  
Public Health and Environment, South  
Korea

### Haifeng Jia

Tsinghua University, China

### Xiaosong He

Chinese Research Academy of  
Environmental Sciences, China

### Huahong Shi

East China Normal University, China

### Dapeng Li

Suzhou University of Science and  
Technology, China

### Chang Gyun Kim

Inha University, South Korea

### Hongguang Guo

Sichuan University, China

### Xiang Li

Donghua University, China

### Min Chen

Shanghai Municipal Center For Disease  
Control and Prevention, China

### Junbin Kim

Wenzhou-Kean University, China

### Jun Ma

Harbin Institute of Technology, China

### Hyunook Kim

University of Seoul, South Korea

### Bing Xie

East China Normal University, China

### Young-Cheol Chang

Muroran Institute of Technology, Japan

### Ning-Yi Zhou

Shanghai Jiao Tong University, China

### Seth W Snyder

S.W. Scientific Investments LLC, South  
Korea

### Xiaohong Guan

East China Normal University, China

### Jingyang Luo

Hohai University, China

### Byoung-In Sang

Hanyang University, South Korea

### Qingran Zhang

Tongji University, China

### Fenglong Fan (Burag)

Kyoto University, Japan

### Ke Dong

Kyonggi University, South Korea



# Event Committee

**Kai Yang**

East China Normal University, China

**Shicheng Zhang**

Fudan University, China

**Cong Li**

University of Shanghai for Science and Technology, China

**Ru Guo**

Tongji University, China

**Nanwen Zhu**

Shanghai Jiao Tong University, China

**Min Zhan**

Korea University, South Korea

**Yinglong Su**

East China Normal University, China

**Dong Wu**

East China Normal University, China

**Xueqin Lu**

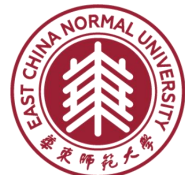
East China Normal University, China

**Jisook Kim**

University of Seoul, South Korea

**Qian Sui**

East China University of Science and Technology, China



# Conference Services

## 1 Conference Address and Registration Time

Conference Location: The Shanghai Minhang Platinum Hanjue Hotel

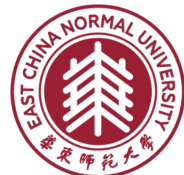
Check-in Time: October 16, 2025

Check-in Location: First-floor lobby

## 2 Conference Time and Location

Oct 17 (Fri)	Venue	Room 188		
	8:30-8:50	The Opening Ceremony		
	8:50-8:55	Group Photo		
	8:55-10:25	Plenary Session 1		
	10:25-10:40	Coffee Break		
	10:40-12:40	Plenary Session 2		
	12:40-14:00	Lunch (Room 288)		
	Venue	Room 186	Room 286	Room 310
	14:00-15:40	Session 1 Environmental Risk and Public Health	Session 2 Emerging Contaminant Control and Management	Session 3 Sustainable Energy and Environment
	15:40-16:20	Coffee Break (with poster presentation, Near Room 186)		
Oct 18 (Sat)	16:20-18:00	Session 4 Environmental Risk and Public Health	Session 5 Sustainable Urban Development and Resilient Cities	Session 6 Circular Economy and Zero- Waste Cities
	18:00-20:00	Conference Banquet (Room 288)		
	Venue	Room 186	Room 286	Room 310
	8:30-10:10	Session 7 Environmental Risk and Public Health	Session 8 Emerging Contaminant Control and Management	Session 9 Artificial Intelligence and Environment Mega Data
	10:10-10:30	Coffee Break		
	10:30-12:10	Session 10 Environmental Risk and Public Health	Session 11 Emerging Contaminant Control and Management	Session 12 Carbon Neutrality and Carbon Mitigation
	12:10-14:00	Lunch (24-Hour Restaurant)		
	14:00-18:00	Eco-City Investigation		





### 3 Oral/Poster Session Requirements

- (1) Presentation duration: 15-20 minutes. Recommended aspect ratio: 16:9.
- (2) Poster panels will be suitable for posters with A0 format (approx. 80 cm × 120 cm or less, in portrait, not Landscape). The presenting authors should be available during the poster sessions to present/answer questions on their posters (see program).

### 4 Transportation

Shanghai Hongqiao  
International Airport →  
The Shanghai Minhang  
Platinum Hanjue Hotel

Taxi  
Duration: About 30 minutes  
Bus: Hongqiao Hub Line 4  
Starting Point: Hongqiao East Transportation Center  
Terminal: Humin Road Jianchuan Road  
Duration: About 1 hour

Shanghai Pudong  
International Airport →  
The Shanghai Minhang  
Platinum Hanjue Hotel

Taxi  
Duration: About 50 minutes  
Subway+Bus  
Take the intercity rail to Shanghai Hongqiao International Airport,  
then take Hongqiao Hub Line 4, the same route as Route 1.  
Duration: About 1 hour 50 minutes



### 5 Shanghai Weather Forecast

October 16

Cloudy  
23°C/26°C



October 17

Cloudy  
22°C/30°C



October 18

Rain  
17°C/23°C



### 6 Conference Secretaries

**Professor Min Zhan** (Overseas Participants)  
Email: pobabyzhan@korea.ac.kr

**Professor Yinglong Su** (Domestic Participants)  
Email: ylsu@des.ecnu.edu.cn

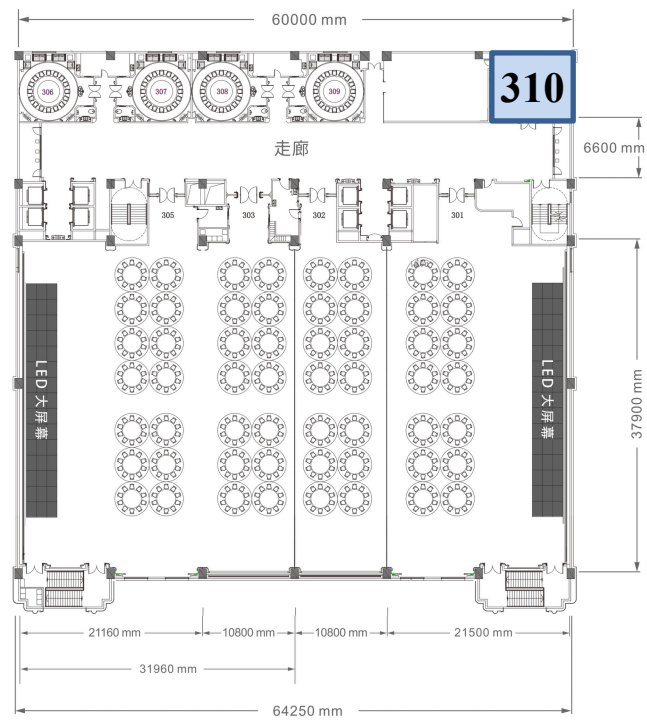
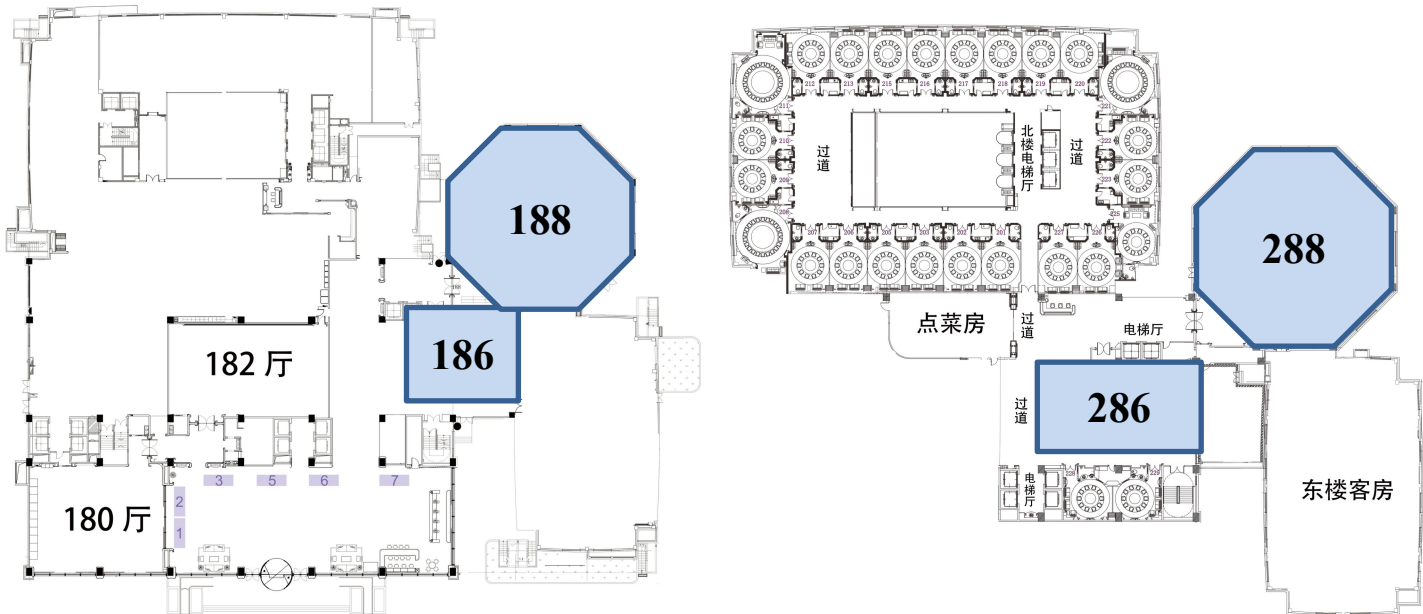
### 7 Conference Parking and Hotel Reservation

This event offers 4 hours of complimentary parking. Before joining the conference, please scan the QR code for your hotel reservation.





# Conference Floor Plan



**Plenary session 1 & 2: Room 188**  
**Session 1 & 4 & 7 & 10: Room 186**  
**Session 2 & 5 & 8 & 11: Room 286**  
**Session 3 & 6 & 9 & 12: Room 310**  
**Conference Banquet: Room 288**

# Conference Schedule

October 16-18  
**Plenary session**  
 Oct.17th, 2025 (Friday) 8:30-12:40  
 Venue: Room 188

Time	Event	Chair
8:30-8:50	<b>The opening ceremony</b> Welcome remark: Leaders of Shanghai Municipal Bureau of Ecology and Environment and ECNU	<b>Prof. Bing Xie</b>
8:50-8:55	Group Photo	
8:55-9:25	<b>Plenary Speech 1:</b> Toxicology and health risks of new pollutants <b>Presenter: Prof. Guibin Jiang</b> Affiliation: Research Center for Eco-Environmental Sciences, CAS, China	<b>Prof. Xiaohong Guan</b>
9:25-9:55	<b>Plenary Speech 2:</b> How to implement water-energy nexus concept in water and wastewater infrastructures <b>Presenter: Prof. Hyunook Kim</b> Affiliation: University of Seoul, South Korea	
9:55-10:25	<b>Plenary Speech 3:</b> Low-carbon water purification technologies for urban water quality assurance <b>Presenter: Prof. Jun Ma</b> Affiliation: Harbin Institute of Technology, China	
10:25-10:40	Coffee Break	
10:40-11:10	<b>Plenary Speech 4:</b> New challenges in municipal wastewater treatment plant: decarbonization and energy recovery <b>Presenter: Prof. Yu-You Li</b> Affiliation: Tohoku University, Japan	<b>Prof. Yi Luo</b>
11:10-11:40	<b>Plenary Speech 5:</b> Assessment and optimization on urban flood resilience by integrating green grey-blue facility <b>Presenter: Prof. Haifeng Jia</b> Affiliation: Tsinghua University, China	
11:40-12:10	<b>Plenary Speech 6:</b> Microbial degradation of antidiabetic drug metformin and the story behind it <b>Presenter: Prof. Ning-Yi Zhou</b> Affiliation: Shanghai Jiao Tong University, China	
12:10-12:40	<b>Plenary Speech 7:</b> Exposure pathways and risks of microplastics to humans <b>Presenter: Prof. Huahong Shi</b> Affiliation: East China Normal University, China	
12:40-14:00	Lunch	



## Plenary Speakers

### Plenary Speech 1

Oct 17, 2025 (08:55-09:25)



**Professor Guibin Jiang**

Research Center for Eco-Environmental  
Sciences, CAS, China

### Plenary Speech 2

Oct 17, 2025 (09:25-09:55)



**Professor Hyunook Kim**

University of Seoul, South Korea

### Plenary Speech 3

Oct 17, 2025 (09:55-10:25)



**Professor Jun Ma**

Harbin Institute of Technology, China

### Plenary Speech 4

Oct 17, 2025 (10:40-11:10)



**Professor Yu-You Li**

Tohoku University, Japan

### Plenary Speech 5

Oct 17, 2025 (11:10-11:40)



**Professor Haifeng Jia**

Tsinghua University, China

### Plenary Speech 6

Oct 17, 2025 (11:40-12:10)



**Professor Ning-Yi Zhou**

Shanghai Jiao Tong University, China

### Plenary Speech 7

Oct 17, 2025 (12:10-12:40)



**Professor Huahong Shi**

East China Normal University, China

## Oral Session

Session 1: Environmental Risk and Public Health				
Day and Location: Oct 17 <b>Room 186</b>				
Session Chairs: Dong Wu, Fenglong Fan (Burag)				
	Time	Presenter	Affiliation	Title
1	14:00-14:20	Dong Wu (Keynote)	East China Normal University	Urban airborne antibiotic resistance and inhalation risk
2	14:20-14:40	Fenglong Fan (Burag) (Keynote)	Kyoto University	Innovative development of multi-module ozone-cathode microbial fuel cell (O <sub>3</sub> -MFC) systems for advanced wastewater treatment targeting antibiotic-resistant bacteria (ARB) and antibiotic resistance genes (ARGs)
3	14:40-15:00	Hyeran Yang	Seoul Metropolitan Government Research Institute of Public Health and Environment	Research achievements and future strategies for citizen-centric public health and environment in Seoul
4	15:00-15:20	Haeun Oh	University of Seoul	Wastewater forensic for tracking illicit drug use and trade
5	15:20-15:40	Chenchen Wang	Xinjiang Uygur Autonomous Region Center for Disease Control and Prevention	Longitudinal study on Early-Life exposure to environmental pollutants—Xinjiang healthy mother and infant cohort
15:40-16:20 Coffee Break (with poster presentation, Near Room 186)				
Session 4: Environmental Risk and Public Health				
Day and Location: Oct 17 <b>Room 186</b>				
Session Chairs: Xiaolong Wang, Qingbin Yuan				
	Time	Presenter	Affiliation	Title
1	16:20-16:40	Xiaolong Wang (Keynote)	Nanjing University	Plasmid-mediated antibiotic resistance genes: Transmission and mitigation
2	16:40-17:00	Vijendra Shah	Inha University	Assessment of sophorolipids assisted biodegradation of microplastics by <i>Brevibacillus parabrevis</i>
3	17:00-17:20	Qingbin Yuan	Nanjing University	Enhanced reality in assessing antibiotic risks in water using bacterial resistance
4	17:20-17:40	Jihye Kim	Seoul Metropolitan Government Research Institute of Public Health and Environment	Monitoring irradiated foods and labeling compliance in Seoul
5	17:40-18:00	JaeHeon Jung	Seoul Metropolitan Government Health and Environment Research Institute	Heavy metal concentrations in urban atmospheric particulate matter in Seoul: A comparative analysis of PM <sub>10</sub> and PM <sub>2.5</sub>
18:00-20:00 Conference Banquet				

Session 2: Emerging Contaminant Control and Management				
Day and Location: Oct 17 <b>Room 286</b>				
Session Chairs: Chang Gyun Kim, Monu Verma				
	Time	Presenter	Affiliation	Title
1	14:00-14:20	Chang Gyun Kim (Keynote)	Inha University	Trends in microplastic research: A domestic and global outlook
2	14:20-14:40	Jisook Kim	University of Seoul	Nationwide survey of residual pharmaceutical in wastewater
3	14:40-15:00	Monu Verma	University of Seoul	Ultra-rapid removal of per- and poly fluorinated alkyl substances from water using cyclodextrin polymer networks
4	15:00-15:20	Yongqing Zhang	South China University of Technology	Advanced oxidation processes based on persulfate activation via biochar and its application on wastewater treatment
5	15:20-15:40	Seeun Park	University of Seoul	Fate and behavior of microplastics in drinking water treatment plants
15:40-16:20 Coffee Break (with poster presentation, Near Room 186)				
Session 5: Sustainable Urban Development and Resilient Cities				
Day and Location: Oct 17 <b>Room 286</b>				
Session Chairs: Dapeng Li, Guangyin Zhen				
	Time	Presenter	Affiliation	Title
1	16:20-16:40	Dapeng Li (Keynote)	Suzhou University of Science and Technology	Dissecting the negative influence mechanisms of microplastics on plant and microbial mediated nitrogen removal in constructed wetlands
2	16:40-17:00	George Zaimes	Democritus University of Thrace	Food sustainability and climate resilience through urban gardens
3	17:00-17:20	Xueting Wang	East China Normal University	Reductive-oxidative biodegradation of Bisphenol A under the nitrate-reducing conditions: The interplay with carbon metabolism and nitrate assimilation
4	17:20-17:40	Valasia Iakovoglou	American College of Thessaloniki	Education; a tool to sustainably manage urban ecosystems
5	17:40-18:00	Arjay John Barredo Secugal	National University Philippines	Into the floodscapes: A landscape character assessment of Bacoor City's lowland communities
18:00-20:00 Conference Banquet				



Session 3: Sustainable Energy and Environment				
Day and Location: Oct 17 <b>Room 310</b>				
Session Chairs: Qingran Zhang, Xiang Li				
	Time	Presenter	Affiliation	Title
1	14:00-14:20	Qingran Zhang (Keynote)	Tongji University	High-efficiency solar-to-hydrogen conversion through an integrated concentrator photovoltaic electrolysis
2	14:20-14:40	Xiang Li (Keynote)	Donghua University	Efficient recovery of high-value added lactate from food waste fermentation
3	14:40-15:00	Taehwan Kim	Seoul National University of Science and Technology	Development of a 3D-printed PLA scaffold coated with cobalt hexacyanoferrate for selective NH <sub>4</sub> <sup>+</sup> recovery
4	15:00-15:20	Benish Zahra	Eulji University	Climate-driven cloudbursts and glacial lake outburst floods in Gilgit Baltistan, Pakistan, 2025
5	15:20-15:40	Jiyun Kang	Seoul National University of Science and Technology	Neuroendocrine safety assessment of DEHCH as a new plasticizer alternative: Insights from green toxicology
15:40-16:20		Coffee Break (with poster presentation, Near Room 186)		
Session 6: Circular Economy and Zero-Waste Cities				
Day and Location: Oct 17 <b>Room 310</b>				
Session Chairs: Byoung-In Sang, Young-Cheol Chang				
1	16:20-16:40	Byoung-In Sang (Keynote)	Hanyang University	Sustainable chemical production via anaerobic fermentation with PLA waste
2	16:40-17:00	Young-Cheol Chang (Keynote)	Muroran Institute of Technology	Advancing bio-based plastics and functional materials for a circular economy
3	17:00-17:20	Ai Zhang	Donghua University	Synergistic coupling of plasma with microbubbles for enhancing short-chain fatty acids production from waste activated sludge
4	17:20-17:40	Jingxin Zhang	Shanghai Jiao Tong University	Food waste treatment and energy recovery in Megacities
5	17:40-18:00	Huihui Chen	Shanghai University	Green circular valorization of organic waste through hydrothermal treatment and anaerobic digestion coupling
18:00-20:00		Conference Banquet		

Session7: Environmental Risk and Public Health				
Day and Location: Oct 18 <u>Room 186</u>				
Session Chairs: Ke Dong, Haining Huang				
	Time	Presenter	Affiliation	Title
1	8:30-8:50	Ke Dong (Keynote)	Kyonggi University	Geomorphic contexts drive divergent microbial succession in antarctic glacier forefields
2	8:50-9:10	Anjie Li	Beijing Normal University	Enhanced antibiotic degradation and resistance risk mitigation in microalgal-bacterial granular sludge by zero-valent iron-activated carbon: Metagenomic and molecular docking insights
3	9:10-9:30	Xin Huang	Shihezi University	2024 monitoring report on air pollution and population health risks in Urumqi
4	9:30-9:50	Haining Huang	Tongji University	Environmental dissemination of antibiotic resistance genes driven by microbial metabolites
5	9:50-10:10	Yuntian He	University of Science and Technology of China	Co-selection of altered nitrogen metabolism and multidrug resistance in wastewater microbiomes under long-term fluoride stress
10:10-10:30		Coffee Break		
Session10: Environmental Risk and Public Health				
Day and Location: Oct 18 <u>Room 186</u>				
Session Chairs: Min Chen, Xueqin Lu				
1	10:30-10:50	Min Chen (Keynote)	Shanghai Municipal Center For Disease Control and Prevention	Legionella pneumophila Surveillance in Shanghai: Results and Insights
2	10:50-11:10	Jinbo Chen	Kyoto University	Identification and quantification of dichloroiodoacetic acid in the chlorinated waters
3	11:10-11:30	Jing Zhou	Xinjiang Medical University	Health risk assessment of heavy metals in atmospheric PM <sub>2.5</sub> in tianshan district and midong district of Urumqi in 2023
4	11:30-11:50	Wenxing Peng	East China Normal University	Rapid recycling of waste plastics via simultaneous dual carbonyl activation of ethanediylester groups in PET
5	11:50-12:10	Yijing Gao	East China Normal University	Mitigating perfluorooctanoic acid inhibition in electrochemically-assisted spiral upflow anaerobic membrane reactor for wastewater treatment: EPS interaction-desorption dynamics and metabolic pathway reconstruction
12:10-14:00		Lunch		



Session8: Emerging Contaminant Control and Management				
Day and Location: Oct 18 <u>Room 286</u>				
Session Chairs: Jingyang Luo, Yuchen Zhang				
	Time	Presenter	Affiliation	Title
1	8:30-8:50	Jingyang Luo (Keynote)	Hohai University	Impacts and control of emerging pollutants on sludge anaerobic biotreatment
2	8:50-9:10	Maham Fatima	Inha University	Coagulation-adsorption for removal of polystyrene nanoplastics in water treatment strategies
3	9:10-9:30	Yuchen Zhang	University of Shanghai for Science and Technology	Degradation-conversion mechanism in thermophile-driven upcycling of biodegradable plastics into polyhydroxyalkanoates
4	9:30-9:50	Mingizem Gashaw Seid	Korea Institute of Science and Technology	Mitigating micropollutants in stormwater: Insights into biochar-activated advanced oxidation processes
5	9:50-10:10	Muhammad Salam	Chengdu University of Technology	Effect of microplastics on vertical migration of Cr in aquifer beneath the municipal solid waste landfill in red beds soil
10:10-10:30		Coffee Break		
Session11: Emerging Contaminant Control and Management				
Day and Location: Oct 18 <u>Room 286</u>				
Session Chairs: Xiaosong He, Xu Duan				
1	10:30-10:50	Xiaosong He (Keynote)	Chinese Research Academy of Environmental Sciences	Research on removal and risk control of antibiotics and resistance genes in landfill leachate
2	10:50-11:10	Xu Duan	Donghua University	Research on the mechanism and control of simultaneous bisphenol a degradation during sludge anaerobic acidogenesis
3	11:10-11:30	Zhengming He	University of Shanghai for Science and Technology	Does UV really accelerate the degradation of pollutants by Fe (VI), or is there another reason?
4	11:30-11:50	Prasanna Muddarangappa	Academy of Scientific and Innovation Research (AcSIR) and CSIR-National Interdisciplinary Science and Technology	Characterization of heavy placer minerals on urban over bridge for correlation with neo-contaminates: Case study
5	11:50-12:10	Xueqin Wang	Qingdao University of Technology	Mechanistic insights into benzo[a]pyrene degradation by halotolerant Mn-oxidizing bacteria and biogenic Mn oxides in soil
12:10-14:00		Lunch		

Session9: Artificial Intelligence and Environment Mega Data				
Day and Location: Oct 18 <b>Room 310</b>				
Session Chairs: Jungbin Kim, Hongguang Guo				
	Time	Presenter	Affiliation	Title
1	8:30-8:50	Jungbin Kim (Keynote)	Wenzhou-Kean University	Optimizing reverse osmosis technology with artificial intelligence for water desalination and reuse
2	8:50-9:10	Hongguang Guo (Keynote)	Sichuan University	Research on carbon emission pathways and synergistic effects of pollution reduction and carbon mitigation in china’s municipal wastewater treatment under smart data-driven approach
3	9:10-9:30	Katabarwa Murenzi Gilbert	Tongji University	Machine learning based land surface temperature detection and health risk: A comparative study in Kibera Slum and Nairobi City
4	9:30-9:50	Shanni Liu	Sichuan University	Machine-learning based spatiotemporal heterogeneity analysis for population behavior mining of incentive-based waste segregation
5	9:50-10:10	Muhammad Shahid	Shenzhen University	Modelling the deep learning and hybrid machine learning for indoor air pollution’s effect on maternal on maternal and child health in South Asia
10:10-10:30		Coffee Break		
Session12: Carbon Neutrality and Carbon Mitigation				
Day and Location: Oct 18 <b>Room 310</b>				
Session Chairs: Yinglong Su, Seth W Snyder				
1	10:30-10:50	Seth W Snyder (Keynote)	S.W. Scientific Investments LLC	Enabling transition of carbon neutrality from research to results
2	10:50-11:10	Jing He	Western Sydney University	Significant boost in energy efficiency of high-tech greenhouse capsicum amid projected climate scenarios
3	11:10-11:30	Siqi Li	Beijing University of Technology	Decoupling mechanisms of high-efficiency nitrogen removal and low sludge production in an encapsulated biofiller system
4	11:30-11:50	Lingyan Wu	Shanghai Jiao Tong University	Ecological assembly and thermodynamic state of dissolved organic matter in a hypersaline lake dichotomized by hydrology
5	11:50-12:10	Lubaba Afzal	New Jersey Institute of Technology	Impacts of climate change and coping mechanisms of urban poor: A case study on the Dhaka City’s slum dwellers
12:10-14:00		Lunch		



## Poster Session

No.	Presenter	Affiliation	Title
1	Hajara Sani Labaran	North-Eastern University Gombe	Antibacterial activity of azanza garckeana fruit extract against enteric bacteria for traditional medicine applications
2	Yan Zhao	Muroran Institute of Technology	Influence of plasticizers and arsenic on the microbial degradation of Polyhydroxybutyrate (PHB)
3	Priyanshu Rawat	Guru gobind singh Indraprastha University	Evaluating long-term public health risks from the Yamuna River pollution in Delhi
4	Shihuan Lu	Zhejiang University of Technology	Metformin drives concerns about the transmission of antibiotic resistance genes: A case study in anaerobic digestion system
5	Takuya Tamazawa	Muroran Institute of Technology	Evaluation of PHB biodegradation in Japanese landfill soils
6	Mioto Uno	Muroran Institute of Technology	Isolation of lignin-degrading microorganisms from landfill sites and plastic-contaminated soils
7	Jun-Yan Xi	Sun Yat-sen University	Advancing healthy life expectancy for sustainable urban development: A multisectoral approach to counter demographic challenges
8	Munsuk Kang	University of Seoul	AI-based determination of target pH for carbon dioxide injection in water treatment plant
9	Panliang Wang	Henan Normal University	Microcystin-LR induces intestinal injury and microbiota-derived metabolites dysbiosis in zebrafish ( <i>Danio rerio</i> )
10	Yu Zhang	Shanghai Jiao Tong University	Trade-off between electrochemical and microbial nutrient eliminations in iron anode-assisted constructed wetlands: The specificity of voltage level
11	Hyunsun Yu	University of Seoul	Water resource risks under climate change and policy trends for sustainable urban in Seoul water supply
12	Jaeyoung Choi	University of Seoul	Synergistic effects of mixing activated carbon on PFAS adsorption
13	Jimin Kim	University of Seoul	PFAS removal characteristics based on carbonaceous properties of activated carbon
14	Qinglong Shao	Sun Yat-sen University	The low-carbon transition pathway in the post-pandemic era: A doughnut economics perspective
15	Ingi Hong	Seoul National University of Science and Technology	Assessment of climate resilience of urban MSWM to extreme rainfall in South Korea
16	Yifei Zhao	Chengdu University of Technology	Corporate strategies for recycling decommissioned wind turbine blades: Insights from an evolutionary game and system dynamics model
17	JongSoo Lee	Seoul National University of Science and Technology	CBPD recycling strategies driven by alternative fuels in the cement industry
18	Dowan Kim	Seoul national university of science and technology	Feasibility assessment of carbon mineralization and potassium recovery using cement kiln bypass dust (CBPD)

No.	Presenter	Affiliation	Title
19	Youjung Jang	University of Seoul	A Study on fouling control in MBR: Utilization of Quorum Quenching beads
20	Sakshi Vaya	University of Seoul	Enhancing biogas yield of co-digestion with slaughterhouse waste and conventional organic waste
21	Liangmao Zhang	Hubei University of Arts and Science	Airborne pathogens and antimicrobial resistance risks in urban food-waste treatment systems
22	Michael CH Chau	Tung Wah College	Evaluation of toxic heavy metal (Cd, As, Hg, Pb) contamination in shellfish imported from countries with varying levels of industrialization
23	Michael CH Chau	Tung Wah College	Assessment of arsenic, cadmium, and lead levels in dried <i>Agaricus</i> sp. cultivated in China, Brazil, Hong Kong, and Japan by inductively coupled plasma mass spectrometry
24	Feng Wang	East China Normal University	Mechanisms of manganese-modified biochar and white-rot fungi in enhancing compost humification: Boosting polyphenol pathway by lignocellulose degradation
25	Ruirui Pang	East China Normal University	Genome-centric metagenomics insights into the plastsphere-driven natural degradation characteristics and mechanism of biodegradable plastics in aquatic environments
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31	Feng Zhou	East China Normal University	Machine Learning-Driven FT-ICR MS Analysis of Leachate DOM Ozonation and Membrane Fouling
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33	Muhammad Salam	University of Padova	Enhancing sustainable organic waste management: Optimal substrates and environmental conditions for black soldier fly larvae performance





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