



Background

As a new frontier of environmental protection, the eco-treatment for the reduction, recycling, and reuse of biowastes is under rapid development for pollution control and carbon emission mitigation. To continue the live exchange and discussion on the key issues of waste treatment for safe recycling, waste to biochar, and biochar-based technology, the 2nd International Conference on Waste Recycling, Reuse and Reduction of Pollution and Carbon Emissions will be held in June 2024 in Hangzhou, hosted by Zhejiang University of Science and Technology (ZUST), in cooperation with the Norwegian Institute of Bioeconomy Research (NIBIO). We hope the conference will provide a unique platform to share updates on waste recycling and reuse for pollution control and emission mitigation, the frontier trend of research and business development across the globe. We cordially invite scientists, engineers, and bioeconomy developers in the waste treatment sector over China and beyond, to make this event successful.

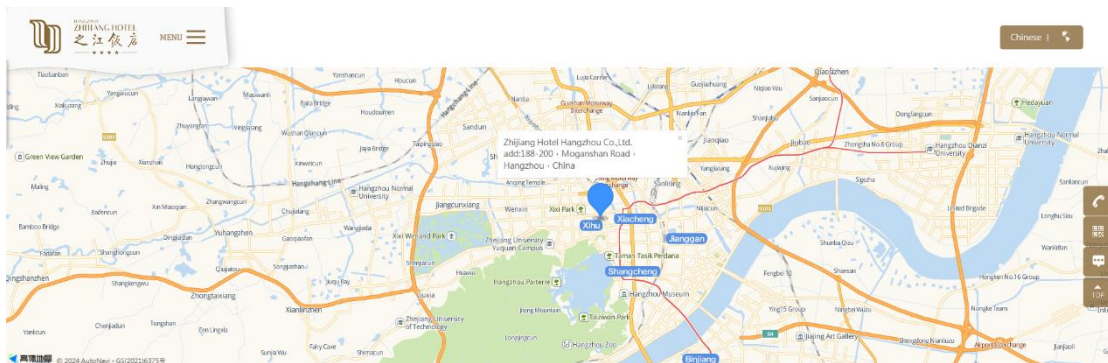
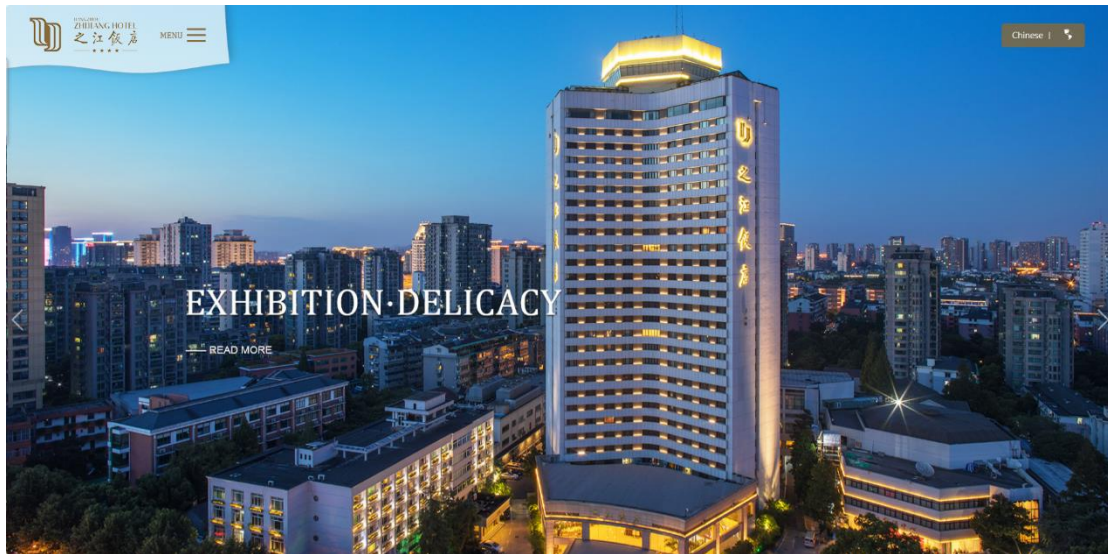
Theme and scope

The conference theme is “**Bio-waste to Eco-value**”. The event is aimed at enhancing the exchange and sharing of state-of-the-art waste treatment and characterization for safe reuse and carbon emission mitigation, innovation for waste to biochar and biochar-based technologies, and the potential to promote soil health and food production. A DEMO project will be visited on a field trip.

Dates: June 26 – 29, 2024.

Venue: Zhijiang Hotel, No.188-200, Moganshan Road, Gongshu District, Hangzhou, China

(Tel: 0086 571 8806 6888; Website: <http://www.zj-hotel.com.cn>)



Zhijiang Hotel is located in the center of Hangzhou city, near West Lake and Xixi Wetland Park.

Outlined Agenda

June 26: Arrival, registration, and reception

June 27: Opening talks and plenary session in the morning

Oral Session on waste eco-treatment and safe recycling, in the afternoon

June 28: Oral Session on waste to biochar for soil health, food, and feed, in the morning.

Bus trip to the biochar field experiment, ZUST, in the afternoon.

Location: Xintong & Huanshan Township, Fuyang District, Hangzhou.

June 29: Departure

Sponsors

- Zhejiang University of Science and Technology (ZUST)
- Norwegian Institute of Bioeconomy Research (NIBIO)
- Nanjing Agricultural University
- Zhejiang Provincial Society for Circular Economy

Co-sponsors

- Ghent University

- Southern Federal University
- Key Laboratory of Recycling and Eco-treatment of Waste Biomass of Zhejiang Province
- Comprehensive Utilization of Biomass, International Science and Technology Cooperation Base of Zhejiang Province
- Soil Science and Environment, published by Maximum Academic Press
- Professional Committee of Recycling of Waste Biomass and Pollution Prevention and Protection of Zhejiang Society for Environmental Sciences

Daily Agenda

Day 1, June 26 Registration and reception, whole day.		
Day 2, June 27, Morning		
Time	Activities	Convener/Presenter
Host: Prof.		
8:30-9:10	Opening remarks by ZUST leaders, NIBIO leaders and local organizers	Jin Zhang (Dean, ZUST)
9:10-9:20	Group photo	Jin Zhang (ZUST)
9:20-9:45	Bioenergy and Bio-economy from bio-waste treatment	Jon Samseth (President, SCOPE)
9:45-10:10	Valorization of Organic Waste in Circular Cities, Emphasizing Food Waste	Ming Hung Wong (The Education University of Hong Kong, China)
10:10-10:25	Break	
Host: Prof.		
10:25-10:50	Soil health cards as a tool for management of agricultural soils	Nicholas Clarke (NIBIO)
10: 50-11:15	Beneficial use of biosolids on forestland in New Zealand: What are the environmental and ecological impacts?	Jianming Xue (Centre for Integrated Biowastes Research, New Zealand)
11:15-11:40	Research practice and prospect on the resource utilization of biochar derived from waste biomass pyrolysis (tentative title)	Jin Zhang (ZUST)
11:40-13:30	Lunch (buffet)	
Day 2, June 27, Afternoon		
Host: Prof.		

13:30-13:55	Biochar and healthy soil	Thomas Hartnik (Division head, NIBIO)
13:55-14:20	Biochar: from waste to function	Stephen Joseph (UNSW, Australia and NJAU, China)
14:20-14:45	Foresight of biochar industrialization	Genxing Pan (NJAU, China)
14:45-15:10	Australian biochar projects	Ruy Korscha Anaya de la Rose (BioCare, Australia)
15:10-15:25	Break	
Host: Prof.		
15:25-15:40	Biochar and metal tolerant bacteria to alleviate the toxicity of nanoparticles on barley	Vishnu Dayal Rajput (Southern Federal University, Russia)
15:40-15:55	Title TBD	Dr. Junhui Chen (ZAFU, China)
15:55-16:10	A circular economy platform for the treatment of wastewater by blue-green microalgae	Bahram Barati (Ghent University, Belgium)
16:10-16:25	Mapping urban CO ₂ sources and innovating solar-driven solutions	Dr. Ya Liu (Xi'an Jiaotong University, China)
16:25-16:40	“Terra Preta de Indio” and Biochar: ancestral practices ancced a modern technology continuum	Dr. Warwick Manfrinator (University of São Paulo, Brazil)
16:40-16:55	Title TBD	Xiong Pan (Natural Products Research Center of Guizhou Province, China)
16:55-17:10	Title TBD	Dr. Lianqing Li (NJAU, China)
17:10-17:25	Title TBD	Jing Fang (ZUST)
17:25-17:40	Title TBD	Liusheng Lei (Nanjing University, China)
17:40-20:30	Dinner (buffet)	
Day 3, June 28, Morning		
Time	Activities	Convener/Presenter
Host: Prof.		
8:30-8:55	Perspectives on soil health (tentative title)	Yakov Kuzyakov (University of Göttingen, Germany)
8:55-9:20	Soil Health: a biogeochemical perspective	Ji Chen (Inst. Earth Environment, CAS,

		China)
9:20-9:45	Soil organic matter, pollution and carbon isotopes	Eric Lichtfouse (Visiting Professor, Xi'an Jiaotong University, China)
9:45-10:10	Diagnostics of polluted soil and its remediation	Tatiana Minkina (Southern Federal University, Russia)
10:10-10:35	SINOGRain III project	Jihong Liu Clarke (NIBIO)
10:10-10:25	Break	
Host: Prof.		
10:25-10:40	Priming effects induced by degradable microplastics in agricultural soil	Dr Junjie Lin (ZUST)
10:40-10:55	Evaluating the efficacy of waste biomass derived biochar on rice growth in arsenic contaminated soil	Dr. Sudhakar Srivastava (Banaras Hindu University, India)
10:55-11:10	Title TBD	Dr. Yu Luo (ZJU, China)
11:10-11:25	Effect of long-term technogenic contamination on soil quality and environmental safety	Dr. Svetlana Sushkova (Southern Federal University, Russia)
11:25-11:40	Use of biochar as feed supplements: a initial study for white mice	Dr. Rongjun Bian (NJAU, China)
11:40-11:55	Insight into bio-waste biochar to remediate contaminated soil/water using emerging technology	Dr. Priyadarshani Rajput (Southern Federal University, Russia)
11:55-12:10	Title TBD	Dr. Jun Meng (ZUST)
12:10-14:00	Lunch (buffet)	
Day 3, June 28, Afternoon		
14:00	A field tour to ZUST biochar experiment base	Dr. Jun Meng/ Dr. Zhangtao Li (ZUST)
Day 4. June 29, Departure		

Registration

The registration deadline for the conference is May 10, 2024. The registration file should be sent to chengliu01@zust.edu.cn. The fee is mainly used for renting the venue, conference facilities and producing conference materials. The accommodation of the delegates will be arranged at their own expense.

Fees VAT included

CATEGORY	Fees (U.S.dollar)	
	Early bird	On-site
Delegate	300	320
Student	160	180
Company	330	350
Note: Online registration will close on 30 May,2024. After this date only on-site registration will be accepted.		

Payment

Account Name: Zhejiang Provincial Society for Circular Economy

Bank of Account: Agricultural Bank of China

Account Number: 19020201040015638

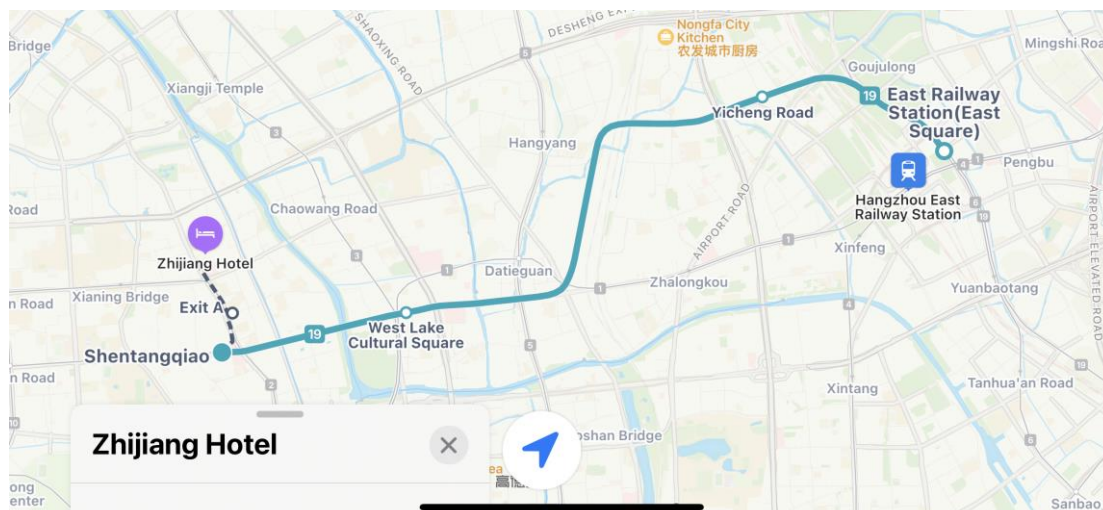
Address: Institute of Eco-Environment Research, Zhejiang University of Science and Technology, 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province

Conference transportation & accommodation

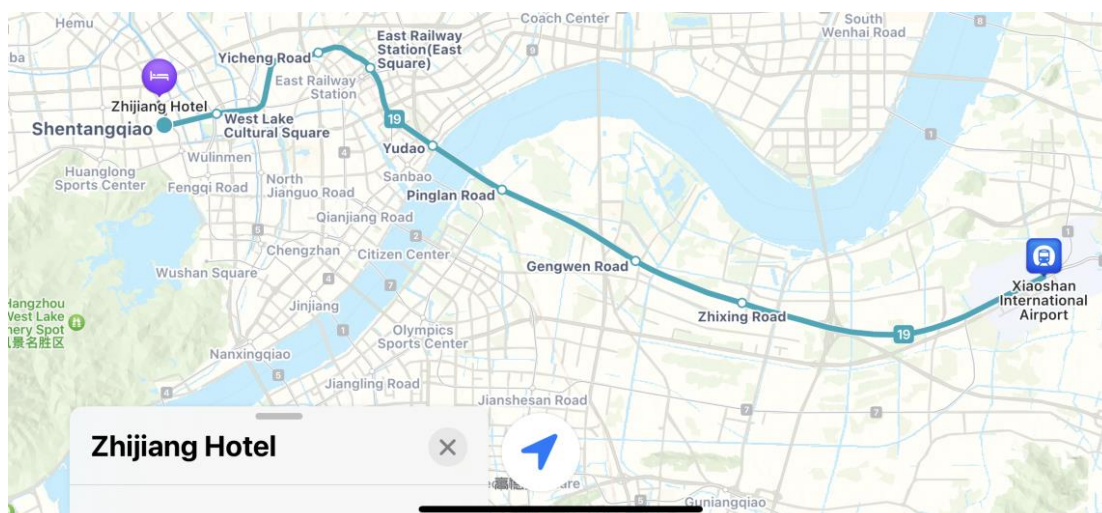
1. Transportation

Reception services are provided at Xiaoshan International Airport or Hangzhou East high-speed Railway Station during the conference. Please inform the contact Dr. Liu or Dr. Li of the transportation information in advance.

- Hangzhou East Railway Station - Zhijiang Hotel (about 7 km by taxi, or Metro Line 19)



- Xiaoshan International Airport - Zhijiang Hotel (about 30 km by taxi, or Metro Line 19)



2. Accommodation

Zhijiang Hotel, (Tel: 0086 571 8806 6888; Website: <http://www.zj-hotel.com.cn>),
400 RMB per night, breakfast included

Contact

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Name		Title/position	
Affiliation			
Country		Email add	
Presentation(oral)			
Presentation(poster)			

Please fill in a pre-registration form and send us by **May 30, 2024**.

Please select oral or poster when writing your presentation title.