



第三届欧洲华人生态与环境青年 学者论坛 – 流域治理/碳中和专题

3rd Europe-China Eco-Environmental Forum for Young Scholars
Special Topic on Watershed Management & Carbon Neutrality

2024.12.07, 南昌

第一轮会议通知

First Round of Meeting Notice

会议简介

Forum Introduction

环境保护和生态文明建设已进入了新的发展时期，青年人才将在解决全球重大环境问题中发挥重要作用。欧洲华人生态环境协会旨在为欧洲生态与环境领域华人青年学者搭建交流学习的平台，营造多元开放、思想碰撞的学术氛围，激发理论探究和实证创新热情，加深对新发展格局、新时代背景下生态环境前沿问题的合作交流。2024年12月7日，协会联合南昌大学资源与环境学院拟召开第三届“欧洲华人生态与环境青年学者论坛-流域治理&碳中和专题”，采用线上（腾讯会议）及线下结合的方式，线下会场位于南昌大学资源与环境学院。邀请嘉宾来自欧洲、澳洲等国家的知名教授、青年教师、洪堡学者、玛丽居里学者及博士后等。主要关注以下4个主题：气候变化与绿色方案、绿色生态与碳中和、水处理与资源化、新污染物识别与治理。

We are entering a new phase in environmental protection and ecological civilization, where young researchers play a crucial role in addressing these global challenges. The European Chinese Association for Eco-Environment (ECAEE) aims to provide a platform for fostering communication and collaboration among young Chinese scholars studying and working in Europe, especially in Environmental Science. Our goal is to cultivate an open and diverse atmosphere that encourages the exchange of ideas, theoretical exploration, empirical innovation, and cooperation. Together, we aim to tackle ecological and environmental issues within the framework of the new development paradigm and era.

The third "Europe China Eco-Environmental Forum for Young Scholars - Watershed Management & Carbon Neutrality" is scheduled to be held on December 7th, 2024, organized by the ECAEE in collaboration with the School of Resources & Environment, Nanchang University. The event will be conducted both online (via Tencent Meeting) and in-person, with the in-person venue located at the School of Resources & Environment, Nanchang University. Our speakers include scholars working in Europe and Australia, including renowned professors, junior faculties, Humboldt fellow, Marie-Curie fellow, and postdoctoral researchers. The forum focuses on four following themes: Climate change and low-carbon solution, Green ecology and environmental health, Water treatment and resource utilization, and Detection and control of emerging contaminants.

会议日程
Schedule

2024.12.07 论坛报告 (线上：腾讯会议/线下：南昌大学资源与环境学院)				
7 th December, 2024, Forum reports (Online by Tencent meeting/In person: School of Resources & Environment, Nanchang University)				
(注：以下时间为北京时间，-7 小时为欧洲中部时间)				
9:00 9:10	南昌大学资源与环境学院 石磊院长致辞 Opening remark by Dean Shi Lei of the School of Resources & Environment of Nanchang University			
9:10 9:20	欧洲华人生态环境协会 主席致辞 Remark by the Chairman of the European Chinese Association for Eco-Environment			
时间 Time	报告人 Speaker	单位 Affiliations	报告题目 Report tittle	专题 Special subject
9:20 9:35	李国波 Guobo Li	南昌大学 Nanchang University	金属氧化物耦合分子筛脱硝催化剂构筑及反应机制 Construction and reaction mechanism of metal oxide coupled molecular sieve deNOx catalyst	主持人：李昆 Host: Kun Li
9:35 9:50	马百文 Baiwen Ma	中国科学院生态环境研究中心 RCEES, CAS	短流程超滤净水工艺原理与应用 Principles and Applications of Short-process Ultrafiltration Drinking Water Treatment	
9:50 10:05	徐金英 Jinying Xu	南昌大学 Nanchang University	基于水热炭化技术的猪粪高效利用研究 Efficient Utilization of Pig Manure Based on Hydrothermal Carbonization Technology	
10:05 10:20	刘文宗 Wenzong Liu	哈尔滨工业大学（深圳） Harbin Institute of Technology (Shenzhen)	园区污水处理过程水固协同减污降碳 Water-solid synergy in reducing pollution and carbon emissions during the industrial park's sewage treatment process	
10:20 10:35	施文卿 Wenqing Shi	南京信息工程大学 Nanjing University of Information Science & Technology	人类活动对太湖流域河网碳排放的影响特征与机制 Impact of Human Activities on Carbon Emissions in the River Network of the Taihu Basin: Patterns and Mechanisms	
10:35 10:45	茶歇/线下合影 Tea Break / In Person Group Photo			
10:45 11:00	黄国集 Guoji Huang	南昌大学 Nanchang University	膜分离技术在碳中和领域的应用研究 Membrane separation for carbon capture	主持人：魏林生 Host: Lisheng Wei
11:00 11:15	孙猛 Meng Sun	清华大学 Tsinghua University	膜-水微界面微纳结构调控及其强化净水机制 Regulation of Micro-Nano Structures at the Membrane-Water Interface and	

			Its Mechanism for Enhanced Water Purification	
11:15 11:30	梁斌 Bin Liang	哈尔滨工业大学 (深圳) Harbin Institute of Technology (Shenzhen)	抗菌剂降解型耐药基因被忽视的正向环境作用 Neglected positive environmental role of degradative antimicrobial resistance genes	
11:30 11:45	陈松灿 Songcan Chen	浙江大学 Zhejiang University	逆向丁烷厌氧氧化过程揭示多碳气态烷烃生物合成潜力 Back flux during anaerobic oxidation of butane support archaea-mediated alkanogenesis	
11:45 12:00	钱军 Jun Qian	南昌大学 Nanchang University	基于微藻生物膜系统的废水处理技术及其机制研究 Studies on technique and mechanism of microalgal biofilm-based wastewater treatment	
12:00 15:00	午餐/休息 Lunch / Tea Break			
15:00 15:10	人才引进 – 南昌大学资源与环境学院介绍 李昆副院长 Talents Recruitment – Introduction to School of Resources& Environment, Nanchang University by Kun Li, Vice Dean			
15:10 15:20	会议致辞 - 中国科学院生态环境研究中心 魏源送研究员 Forum Speech – RCEES, CAS, Prof. Yuansong Wei			
15:20 15:35	高云虎 Yunhu Gao	英国剑桥大学 Cambridge University	化学产品碳足迹和减排路径的研究 Carbon footprint and decarbonization pathways of chemical products	气候变化与绿色方案 Climate change and low-carbon solution 主持人: 马百文 Host: Baiwen Ma
15:35 15:50	张利权 Liquan Zhang	英国伦敦大学学院 University College London	纳米针阵列提升氧化钌碱性析氢性能及其反应机理研究 Enhancing Alkaline Hydrogen Evolution Performance of Ruthenium Oxide through Nano-Needle Arrays	
15:50 16:05	胡享平 Xiangping Hu	挪威科技大学 Norwegian University of Science and Technology	用简单的统计方法解析区域气候对土地覆盖变化的响应 Unmixing the regional climate response to land cover changes with a simple statistical approach	
16:05 16:20	郑赫然 Heran Zheng	英国伦敦大学学院 University College London	气候变化下虚拟用水不平等和不对称稀缺影响加剧 Intensifying virtual water-use inequalities and asymmetrical scarcity impacts under climate change	
16:20 16:35	陈佩佩 Peipei Chen	英国剑桥大学 University of Cambridge	全球发电部门的能源转型和政策评估 Global energy transition and policy assessment for power generation	

16:35 16:50	茶歇/线上合影 Tea Break / Online Group Photo			
16:50 17:05	马鑫 Maxime Van Haeverbeke	比利时根特大学 Ghent University	阻抗谱建模中的选定主题 Selected topics in Impedance Spectroscopy Modelling	绿色生态与碳中和 Green ecology and environmental health 主持人: 杨敏 Host: Min Yang
17:05 17:20	罗珊 Shan Luo	英国利物浦大学 The University of Liverpool	树木与菌根相互作用调节森林生产力 Tree-mycorrhiza interactions modify forest productivity	
17:20 17:35	田开兰 Kailan Tian	英国剑桥大学 University of Cambridge	全球产业布局重构与碳减排压力 Global Industrial Restructuring and Carbon Reduction Pressure	
17:35 17:50	刘晓夏 Xiaoxia Liu	欧洲卓越可持续水科技中心 Wetsus	弱磁场影响下的微生物碳酸钙成矿作用: 从自来水到海洋 Microbial calcium carbonate mineralization under the influence of weak magnetic fields: from tap water to the ocean	
17:50 18:05	单宝英 Baoying Shan	意大利米兰理工大学 Politecnico di Milano	复合极端事件的定义、识别与影响 Compound extreme climate events: definition, identification and impacts	
18:05 18:35	晚餐/休息 Dinner/Tea Break			
18:35 18:45	欧洲华人生态环境协会介绍 - 杨敏 秘书长 Introduction to ECAEE – Min Yang, Secretary General			
18:45 18:55	欧洲华人生态环境协会举办专刊介绍 – 哈尔滨工业大学 丁安 副教授 Introduction of Special Issues Held by ECAEE– Associate Prof. An Ding, HIT			
18:55 19:10	吴有豪 Huu Hao Ngo	澳大利亚悉尼科技大学 University of Technology Sydney	藻类在循环经济中的探索 Exploration of algae in circular economy	水处理与资源化 Water Treatment and Resource Utilization 主持人: 丁安 Host: An Ding
19:10 19:25	西奥·赫曼斯 Theo Huisman	卡塔尔哈马德·本·哈利法大学 HBKU Qatar	水和废水处理膜过滤系统中生物污染的检测和缓解 Detection and mitigation of biofouling in membrane filtration systems for water and wastewater treatment	
19:25 19:40	李昭 Zhao Li	德国亚琛工业大学 RWTH Aachen University	微藻生物大分子的微滤膜过滤: 脉冲电场处理和高压均质化处理对单细胞蛋白质回收和膜堵塞的影响 Microalgae Biomolecules: Impact of Pulsed Electric Fields and High Pressure Homogenization on Single-Cell Protein Recovery and Membrane Fouling	

19:40 19:55	李盛结 Shengjie Li	德国马普海洋微生物所 Max Planck Institute for Terrestrial Microbiology	微氧区单颗粒物及附着微生物氮损失 N-loss of individual particles and associated microorganisms in oxygen minimum zones	
19:55 20:10	师城 Cheng Shi	瑞士联邦水科学与技术研究所 Eawag, Switzerland	基于非靶向分析和机器学习的流域溯源研究：辨别未知污染来源的化学信号 Contamination source tracking based on non-target analysis and machine learning: chemical forensics on unknown sources	
20:10 20:25	茶歇 Tea Break			
20:25 20:40	阮楚晋 Chujin Ruan	瑞士联邦水科学与技术研究所 Eawag, Switzerland	噬菌体捕食通过重塑空间结构促进质粒转移 Phage predation facilitates plasmid transfer by reshaping spatial organization	新污染物识别与治理 Detection and Control of Emerging Contaminants 主持人：张俊亚 Host: Junya Zhang
20:40 20:55	于耀淳 Yaochun Yu	瑞士联邦水科学与技术研究所 Eawag, Switzerland	微生物降解全氟化合物：解析功能基因与脱氟酶 Biodefluorination of PFAS: A Dive into Functional Genes and Enzymes	
20:55 21:10	熊毕景 Bijing Xiong	瑞士联邦理工学院 ETH, Switzerland	微生物对周期性抗生素治疗在单细胞水平上的响应 Monitoring bacterial responses to dynamic antibiotic treatment at single-cell level	
21:10 21:25	刘阳 Yang Liu	英国剑桥大学 MRC-LMB, University of Cambridge	CRISPR/Cas 传感器 CRISPR/Cas-enabled sensors	
21:25 21:40	杨竹根 Zhugen Yang	英国克兰菲尔德大学 Cranfield University	用于水和健康的低成本快速传感器 Low-cost and rapid sensors for water and health	
21:40 22:00	自由讨论，会议总结 Free Discussion			

参会方式 Participation

✧ 线下参会 (In Person Attendee)

报名方式 (Registration)

发送邮箱或添加微信报名 **(Register via Email or Wechat) :**

邮箱 **(Email) :** yan_eu_cnees@163.com

微信 **(Wechat) :** [call_me_up](#)

✧ **线上参会 (Online Attendee)**

全球直播：免费，会议链接随后通知

Global live streaming, free of charge; Link will be sent in the second round of Forum notice.

主办单位
Organizer

南昌大学资源与环境学院

School of Resources & Environment, Nanchang University

欧洲华人生态环境协会

European Chinese Association for Eco-Environment

北京市生态修复学会

The Society for Ecological Rehabilitation of Beijing

协办单位
Co-Organizer

环境水质学国家重点实验室

State Key Laboratory of Environmental Aquatic Chemistry

城市水资源与水环境国家重点实验室

State Key Laboratory of Urban Water Resource and Environment

中国科学院大学欧洲校友会

European Alumni Association of University of Chinese Academy of Sciences

玛丽居里学者华人学会

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Journal of Environmental Sciences

Fundamental Research

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Energy and Climate Management

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