

Dear Colleagues,

Recently, *Frontiers of Chemical Science and Engineering* (FCSE) has launched a special issue on “*Chemical Engineering in Environment*”, to support the community and rapidly report recent exciting discoveries in this field.

Given your expertise in this field, we would like to invite you to contribute to this special issue. After submission, your manuscript will be reviewed by the editors and then sent to referees for further comments. You are welcome to suggest any expert reviewers.

FCSE is a rising peer-reviewed international journal (2022 Impact Factor 4.5) published by Springer, co-sponsored by the Chinese Academy of Engineering, Higher Education Press and Tianjin University. It publishes high-quality and original results in both fundamental and applied research areas. Papers published in FCSE include Research Articles, Review, Communications, and Views & Comments. More information can be found at:

Springer website: <http://link.springer.com/journal/11705>

Online submission: <https://mc.manuscriptcentral.com/fcse>

This special issue is tentatively scheduled for publication in June **2024**, with the deadline for your submission as **March 31, 2024**.

Thank you in advance for your interest and kind support!

Sincerely yours,

Shuangxi Nie, Guangxue Wu, Xuejing Yang, Can Wang, Hong Chen

Aims & Scope:

This special issue hopes to provide effective solutions for realizing major environmental issues such as environmental governance, clean energy utilization, and response to climate change by publishing the research, development, and promotion of the latest green chemical technologies. We also look forward to promoting the rapid development of new-generation air pollution control technologies, water purification technologies, solid waste treatment, and resourcing technologies, and other emerging green chemical technologies through relevant research in chemical technologies in the environment. It is hoped that this special issue will promote researchers' attention to and interest in advanced green chemical technologies for environmental management; promote the development of advanced environmental engineering technology science; effectively promote the development of environmental engineering technology in the direction of low-impact energy conservation and emission reduction; promote the development and application of chemical technologies in the environment to the forefront and cross-cutting, accelerate the industrialization process of advanced and low-power-consumption chemical technologies, and realize the improvement of the environment and the sustainable development. Sustainable development.

This special collection will focus on the following major themes:

- ✧ Gas pollution control technology and process based on chemical engineering principles
- ✧ Green chemical removal technology for pollutants in wastewater
- ✧ Solid waste treatment technology and resource utilization
- ✧ Pollutant control and utilization in green chemical industry



Shuangxi Nie is a professor in Guangxi University, China. He was awarded the National High-Level Talents Project and his research focuses on advanced cellulosic materials. He has published more than 180 SCI papers in *Nat. Commun.*, *Adv. Mater.*, *Mater. Today*, *Adv. Funct. Mater.*, *ACS Nano* and other journals, including 5 ESI hot paper and 24 ESI highly cited papers, with an H-index of 49. He has been honored with the “Second Prize of National Technology Invention” (2019), “Fok Yingdong Young Teacher Award” (2020), and “First Prize of Ministry of Education Technology Invention” (2018). nieshuangxi@gxu.edu.cn



Guangxue Wu is an Associate Professor in Civil Engineering, University of Galway, Ireland. His research interests cover biological nutrient removal from wastewater, anaerobic digestion, and sustainable development. He has authored over 200 peer-reviewed journal papers, one monograph, and 4 book chapters. He has received more than 17 awards, such as the National Science and Technology Progress Award, China (2nd Prize). As the convener, he has developed the ISO standard (ISO 20760-1-2018) and received the ISO Excellence Award. Currently, he is the Promotion Editor of *Frontiers of Chemical Science and Engineering*. guangxue.wu@universityofgalway.ie



Xuejing Yang is a professor in East China University of Science and Technology. She received her Ph.D. degrees in Chemical Engineering from East China University of Science and Technology, China (2014). Then she worked with Prof. David Sedlak as a post-doctor in Civil and Environmental Department in UC Berkeley, USA. She joined East China University of Science and Technology, China as an associate professor in 2019 and was promoted to a full professor in Jan, 2023. Her research interests focus on green chemistry for pollution abatement and sustainable manufacturing. xj.yang@ecust.edu.cn



Can Wang is a full professor in Tianjin University. Now he is also the director of the department of environmental engineering in Tianjin University. His researches mainly focus on biofiltration of VOCs, odor control system and microbial community structure/function analysis. His detailed research interests cover: Selection/cultivation of special environmental contaminants degrading microorganisms; application of thermophilic bacteria in biofilters; development of effective biofiltration system for volatile organic compounds (VOCs) and odorants treatments; analysis and optimization of the microbial community structure/functions in the biofilters. He has published two academic monographs and more than 100 papers on both the International and National Journals. canwang@tju.edu.cn



Hong Chen is an Associate Professor of School of Environmental Science and Technology, Tianjin University. She obtained her Ph.D. in 2010 from Tianjin University. After a postdoctoral project in Nanyang Technology University, Singapore, she returned to Tianjin University. Her research interest mainly focuses on heterogenous catalysis for VOCs removal and efficient utilization of Biomass resources, including lignin depolymerization and HMF conversion. She has published more than 50 peer-reviewed papers in prestigious journals, such as *Appl. Catal. B*, *ACS Catal.*, *J. Catal.*, *Chem. Eng. Sci.*, etc, and has been granted 8 Chinese patents. chenhong_0405@tju.edu.cn