

Dear Colleagues.,

On behalf of the guest editors, we decided to host a special issue in the *Frontiers of Chemical Science and Engineering* (FCSE) on the topic of “**Upcycling of waste plastics and biomass for a sustainable future**”, support relevant communities with the recent exciting discoveries in this field. The Guest-Editors of this issue are **Prof. Yefeng Zhou (Xiangtan University)**, **Prof. Qingang Xiong (South China University of Technology)**, **Prof. Jiawei Wang (Aston University, UK)** and **Prof. Xiaolei Fan (University of Manchester, UK)**.

As the Guest-Editors of FCSE, we would like to invite you cordially to contribute your recent research work (either full paper or communications), critical reviews on the state-of-the-arts or perspectives on the relevant fields to this special issue. After submission, your manuscript will be reviewed by the editors and done through normal peer review processes.

FCSE is a leading peer-reviewed international journal in Chemical Engineering published by Springer and Higher Education Press, co-sponsored by the Chinese Academy of Engineering and Tianjin University. This journal publishes high-quality and original results in both fundamental and applied research in the wide spectra of chemical science and engineering. More information can be found at:

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The submission deadline is **March 31, 2024**. This special issue is planned tentatively for publication in **June, 2024**. Thank you in advance for your interest and kind support!

Sincerely yours,

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Qingang Xiong is a Full Professor at the State Key Laboratory of Pulp and Paper Engineering, South China University of Technology. He obtained PhD in Chemical Engineering at 2011 from the Institute of Process Engineering, Chinese Academy of Sciences. Then he conducted postdoctoral research at Iowa State University and Oak Ridge National Laboratory from 2012 to 2016, and held senior R&D positions at Corning and General Motors from 2016 to 2021. His research area are mainly simulation and experiment on multiphase flow and fluidization, thermochemical conversion of particles, flow and heat transfer of porous media. He has published more than 50 papers in authoritative journals as first/corresponding authors.



Jiawei Wang is a Reader in Chemical Engineering at Aston University's Energy and Bioproducts Research Institute (EBRI), earned his PhD in Chemistry from the University of Nottingham (2006). With a background including postdocs at the University of Birmingham, he's held academic positions at the University of Nottingham Ningbo China, the University of Manchester, and now Aston University. His expertise spans heterogeneous catalysis for sustainable energy, biomass thermal conversion, and plastic-to-fuel processes. Noteworthy is his success in securing over £2 million in funding from prestigious sources like Innovate UK, British Council, Royal Society, EU Horizon 2020, Horizon Europe, and industry collaborations.



Xiaolei Fan is a researcher with 15-year experience in heterogeneous catalysis. He received his PhD in Chemical Engineering from the University of Bath in 2010. From 2010 to 2013, he took the postdoctoral positions at the University of Warwick and University of Cambridge. He is a faculty member at The University of Manchester since 2013. He has published 163 peer-reviewed articles. He is the elected Fellow of Royal Society of Chemistry and Higher Education Academy and Ministry of Education Distinguished Professor of Changjiang Scholars.