



## Special Issue on “Synergistic Thermochemical Conversion of Coal and Biomass under Carbon Neutralization Vision”

Journal of Fuel Chemistry and Technology was founded in 1956. It is charged by the Chinese Academy of Sciences, sponsored by the Shanxi Institute of Coal Chemistry, Chinese Academy of Sciences and the Chinese Chemical Society, and published by the China Science Publishing & Media Ltd. Besides, it is a representative national-grade academic journal in the field of energy and environment. It has been indexed by the Engineering Index (EI), Scopus Preview, China Science and Technology Core Journal Database, China Core Journal Database, etc. It has been awarded by National Top 100 Press, China's Most Internationally Influential Journal, RCCSE China's Core Academic Journal, China's High-quality Science and Technology Journal, etc.

China announced a national development strategy to achieve carbon peaks by 2030 and carbon neutrality by 2060 at the United Nations General Assembly in September 2020, and the technological innovation to achieve "double carbon" goal has become the hot research focus. Coal is the most important fossil energy in China, and biomass is the only renewable carbon energy. Synergetic thermochemical conversion of coal and biomass (pyrolysis, gasification, combustion, etc.) is an important technological method to realize the coupling and efficient utilization for fossil energy and non-fossil energy, and shows great practical significance to achieve the "double carbon" goal. At present, global researchers have carried out a plenty of researches on the synergistic thermochemical conversion of coal and biomass, and have acquired the positive research progress. These researches enriched and developed the theoretical system of synergistic energy utilization of carbonaceous

substances, and provide important support for promoting the industrial application on related technologies. In order to summarize the current relevant research progress and look forward to the future research direction. The editorial office of Journal of Fuel Chemistry and Technology specially invited famous experts and scholars in relevant fields to organize a special issue on "Synergistic thermochemical conversion of coal and biomass under carbon neutralization vision".

**Topics of interest include, but are not limited to, the following:**

- H<sub>2</sub>-rich syngas production
- High-quality pyrolysis tar production
- Ash fusion and flow characteristics
- Migration and transformation of metal species
- Control of pollution emissions
- Process mechanism, reaction kinetics and synergy behavior

**Submission Type**

Research article, Review article, etc.

**Submission Deadline**

**30 November 2021**

**Scheduled Publication Time**

April 2022

**Guest Editor-in-Chief**

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**NOTE:**

1. For more details on the requirements and submission of manuscript, please login the official website of Journal of Fuel Chemistry and Technology (<http://rlhxxb.sxicc.ac.cn>), with noting "Special issue on synergistic thermochemical conversion of coal and biomass".
2. All manuscripts submitted to the special issue are the formal manuscripts of journal, and the strict reviewing and proofing are required.
3. Manuscript at English version will be online on Elsevier (<http://www.sciencedirect.com/science/journal/18725813>).