

Special Issue on
Coal and Biomass Combustion

CALL FOR PAPERS

Coal combustion is the largest source of global energy consumption and electricity generation worldwide nowadays and in the foreseeable future, but it is also one of the major sources of air pollution. Increasing the efficiency of the coal-fired electricity generation plants across the world results in a significant reduction in air pollution and extends coal resource lifetimes. The combustion of solid biofuels as a renewable energy source has increased significantly in the last decade principally because it can be used to replace the fossil fuels, coal, oil, and natural gas. In order to make better use of coal or biomass, it is essential to deeply understand the combustion process of the coal or biomass.

This special issue covers a wide range of research topics from fundamental physical concepts to applied technologies in the field of coal and biomass combustion. The focus of this special issue is on the specific concepts, properties, phenomena, and processes related to coal and biomass combustion. The accepted papers will show a diversity of new findings and insights of the recent research and development in this area. Both experimental and modeling submissions are very welcome.

Potential topics include but are not limited to the following:

- ▶ Coal kinetics for CFD
- ▶ Theoretical model and numerical simulation for solid fuel flames
- ▶ Novel experiments for solid fuel flames
- ▶ Oxycoal combustion
- ▶ Biomass gasification, and combustion
- ▶ Gas-solid multiphase flow of coal or biomass particles

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jc/cbc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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