



## Special Issue on CO<sub>2</sub> Emissions and Control

### Call for Papers

A greenhouse gas is a gas in an atmosphere that absorbs and emits radiation within the thermal infrared range. This process is the fundamental cause of the greenhouse effect. The primary greenhouse gases in the Earth's atmosphere are water vapour, carbon dioxide, methane, nitrous oxide, and ozone. In the Solar System, the atmospheres of Venus, Mars, and Titan also contain gases that cause greenhouse effects. Greenhouse gases greatly affect the temperature of the Earth; without them, Earth's surface would be on average about 33 °C colder than at present.

However, since the beginning of the Industrial Revolution, the burning of fossil fuels has contributed to the increase in carbon dioxide in the atmosphere from 280 ppm to 397 ppm, despite the uptake of a large portion of the emissions through various natural "sinks" involved in the carbon cycle. Anthropogenic carbon dioxide emissions come from combustion of carbonaceous fuels, principally wood, coal, oil, and natural gas.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **CO<sub>2</sub> Emissions and Control**.

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the "Special Issue" under your manuscript title is supposed to be specified and the research field "Special Issue — CO<sub>2</sub> Emissions and Control" should be chosen during your submission.

According to the following timetable:

Submission Deadline	October 23rd, 2013
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