



Carbon Footprints and Sustainability of Biofuels

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Message from the Guest Editor

With two-thirds of the world aiming to achieve carbon neutrality by the mid-century, it would be hard to find a more relevant topic for a Special Issue. We also aim to discover the answer to a question with more scientific complication: what is carbon neutrality, anyway?

1) Carbon footprints are a key criterium used by governments to regulate fuel markets. Transport fuels are well-covered in the developed world, heating fuels increasingly so, and the developing world is following suit. Footprints—often called carbon intensities—are meant to be ‘science-based’, but are they? Where is there consensus, where is there not, why, and can there ever be full consensus? Which fuels and which processes are more interesting and why? Is there a future for fossil fuels?

2) The aim of this Special Issue is to examine the footprints of biofuels, either stood alone or in contrast to those applied to fossil fuels or renewables of a non-biological origin.

3) Some of the possible topics of the SI include:

- A review of applications or a single application;
- Impacts of footprints on markets and on GHG emissions;
- Methods of estimation/calculation;
- Case studies.





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Message from the Editor-in-Chief

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