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# Advanced Materials and Technologies for Low-Carbon Bioenergy and Biochemicals

Guest Editors:

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## **Message from the Guest Editors**

Dear Colleagues,

The world is facing the problem of limited resources, while at the same time, issues related to energy, climate change, and environmental pollution are growing. We need a new paradigm and technology to tackle these challenges by providing renewable energy and materials in a sustainable manner: in short, we need to build a low-carbon circular economy. To realize the low-carbon circular economy, however, we need disruptive technologies and innovative materials. For instance, upcycling low-value byproducts and wastes into a higher-value product is one way that can contribute to the establishment of the low-carbon circular economy. This Special Issue will discuss new technologies and materials to facilitate the growth of the low-carbon circular economy, sustainably promoting society's prosperity.

It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.













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## **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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