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Emerging Technologies for Processing of Carbon-Based Substrates and Their Applications

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Deadline for manuscript submissions:
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Message from the Guest Editors

Biomass is a readily available renewable resource, and there has been immense interest from the scientific community regarding the trend of obtaining carbon materials from biomass. Forest, agricultural, and marine waste biomass are all lignocellulosic biomass, which have proved to be great substrates for carbon materials. The properties of carbon obtained from biomass residues can be altered in accordance with its allocations.

Carbon materials with a high surface area and micro- and mesoporous-activated structures, and which are doped with heteroatoms, are being used in various domains such as energy, environment, sensors, agriculture, and defense. There is a dire need to further explore lignocellulosic biomass as a sustainable substrate for carbon materials. Furthermore, the in-depth characterization of these materials leads to innovation, resulting in new perspectives towards their structure, properties, and in turn, their applications.

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Message from the Editor-in-Chief

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