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Sustainable Development and Application of Biochar

Guest Editors:

Prof. Dr. Rosa Rodriguez

Prof. Dr. Germán Mazza

Dr. María Fabani

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Message from the Guest Editors

Biochar is a product obtained from the thermochemical transformation of biomass, particularly from bio-waste, which is used in agriculture as an amendment and substrate in soil-less crops. This material is used for obtaining energy, gas cleaning, and wastewater treatment, among others. Due to the fact that biochar can be obtained from bio-waste and its innumerable uses to enhance the quality of the environment, it is important to summarize the new advances, since its use contributes to the circular economy, improving the sustainability of production processes. This Special Issue covers original articles in three aspects of the theme: sustainable processes for obtaining biochar, its different applications, and emerging technologies for the use of biochar. We welcome articles in the following areas, but not limited to:

- Different processes for obtaining biochar
- Using biochar to capture greenhouse gases
- Biochar as an amendment soil and substrate of soil-less crops
- Biochar as an energy vector
- Use of biochar for wastewater treatment
- Soil decontamination
- Biochar uses for gas cleaning
- Biochar as an additive to composite materials
- Emerging technologies for the use of biochar

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Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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sustainability@mdpi.com
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