

Special Issue

Biochar and Biochar Composites: Preparation, Modification and Environmental Application

Message from the Guest Editors

Biochar is a new and promising material used for various environmental applications, such as soil amendment, organic and inorganic pollutants removal, and as catalysts. Biochar is produced from the carbonization of a given biomass by different processes, and their physical–chemical characteristics are influenced by several factors, such as the chemical composition of the precursor raw material. In order to improve the properties of the produced biochars, chemical or physical activation methods for this material can be used. This Special Issue will focus mainly on the feedstocks of raw materials for the production of biochar, the production processes (pyrolysis and hydrothermal method) and their parameters, as well as the physical–chemical characteristics of the biochar produced are discussed, as this is a material of great economic feasibility, and the application of biochar being viable in large scale and environmentally safe.

Guest Editors

Prof. Dr. Kassio Ferreira Mendes

Department of Agronomy, Federal University of Viçosa, Viçosa 36.570-900, Brazil

Dr. Renata Lopes Moreira

Department of Chemistry, Federal University of Viçosa, Viçosa 36.570-900, MG, Brazil

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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