



Effects of Biochar on Soil Fertility and Crop Production

Guest Editor:

Prof. Dr. Bin Gao

Department of Civil and
Environmental Engineering,
Rensselaer Polytechnic Institute,
Troy, NY 12180, USA

Deadline for manuscript
submissions:

closed (31 July 2015)

Message from the Guest Editor

Dear Colleagues,

Biochar, also known as “biomass-derived black carbon”, is a pyrogenic carbon produced by the combustion of biomass in an oxygen-limited environment (pyrolysis). Recent studies have demonstrated that biochar can be used for various environmental applications to produce multiple benefits. In particular, biochar can be used as a soil amendment to improve soil fertility and crop production. When biochar is applied to soils, it may also introduce other environmental benefits, such as water conservation and protection and carbon sequestration.

Bin Gao
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture,
School of Life and Environmental
Sciences, The University of
Sydney, Sydney, NSW 2006,
Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agriculture
agriculture@mdpi.com
X@AgricultureMdpi