



Biochar for the Environmental Wastewater Treatment

Guest Editors:

Dr. Manfred Lübken

Institute of Urban Water
Management and Environmental
Engineering, Department of Civil
and Environmental Engineering,
Ruhr-Universität Bochum,
Universitätsstr. 150, 44801
Bochum, Germany

Dr. Sahar Dalahmeh

Environmental Technology,
Department of Energy and
Technology, Swedish University
of Agricultural Sciences(SLU); Box
7032, SE 75007 Uppsala, Sweden

Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editors

Filtration systems are, in general, characterized as low cost, easy to operate and they have a low space requirement. Filter material should have, e.g., a large specific surface area, low bulk densities and should be locally available where wastewater treatment is to be installed. Recently, biochar has been demonstrated to be effective in the removal of organic and inorganic constituents, heavy metals or microorganisms from contaminated water. Compared to many other filter materials, biochar has the advantage that it can be produced from locally available biomass and can be used as a soil amendment after wastewater treatment. The aim of this Special Issue is to discuss both the potential and limits of biochar as a filter material for wastewater treatment.

Keywords: Biofiltration; Water reuse; Biochar; Wastewater treatment; Pathogens; Adsorption; Pyrolysis; Irrigation.





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Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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