Special Issue

From Phytoremediation of Polluted Soil to Biomass Recovery

Message from the Guest Editor

Increasing needs for energy, the halt in the growth of global petrol production in 2004, and environmental impacts of fossil energy have led to the development of renewable energy resources. Vegetable fuels are one of the alternatives considered for the production of renewable energy. However, the development of energy crops increased competition between land resources.

Brownfields covered approximately 239 Mha in the world. Those soils have frequently been contaminated by polycyclic aromatic hydrocarbons, heavy metals, and so on. Pollution restricts soil use and may affect human health after long-term exposure or following its transfer into the human food chain. Numerous strategies have been developed to remediate soil pollution and to prevent environmental contamination. Soil-friendly, phytoremediation techniques required a long time for the remediation process to take place.

The aim of this Issue is to collect the opinion of the community on our ability to restore polluted soils using phytoremediation techniques while enhancing the associated biomass in order to achieve ecologically safe and economically viable rehabilitation.

Guest Editor

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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