

ここに、基調講演にあたって当日配布された Abstract をそのまま掲載するものです。

Abstract: AREC Conference October2016

Title: Soil – a ‘Finite’ Resource

Presentation Format: Podium

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Soil is a vital limited resource that is paramount to the development of society. However, it is more often than not taken for granted. For centuries, humans have exploited soil resource in its capacity to function as a matrix from which food could be produced, waste disposed and buildings constructed. These activities, in some case, have resulted in the inadvertent degradation of soil, therefore leading to the partial or complete loss of soil function. Others have resulted in the improvement to the soil condition.

The functioning of soils is strongly influenced by their organic matter content. The soil organic matter is a fundamental attribute that underpins the range of soil functions. Accordingly, the sustainable utilisation of soil resource requires the adept understanding of the dynamics of the various soil processes including the soil organic matter. My talk will focus on the role of organic matter in contributing to soil quality and function, highlighting some of the simple and more complex interaction of the physical, chemical, and biological processes that together regulate soil functions.