

Effectiveness of activated biochar for increasing soil quality and reducing metal bioavailability in three different soils



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3 Soils

- 2 depleted soils
- 1 heavy metal contaminated soil

Aims

- Improve soil quality
- Biomass production (*Miscanthus*, maize)
- Heavy metal stabilisation

Different Soil Amendments

- Biochar variations
- Gravel Sludge and Iron oxides
- Combinations

Results

- Clear metal immobilisation effects in amended treatments
- pH Increase
- N increase in plant shoots in biochar treatments

