



Influence of Biochar Particle Size on Its Properties and Applications

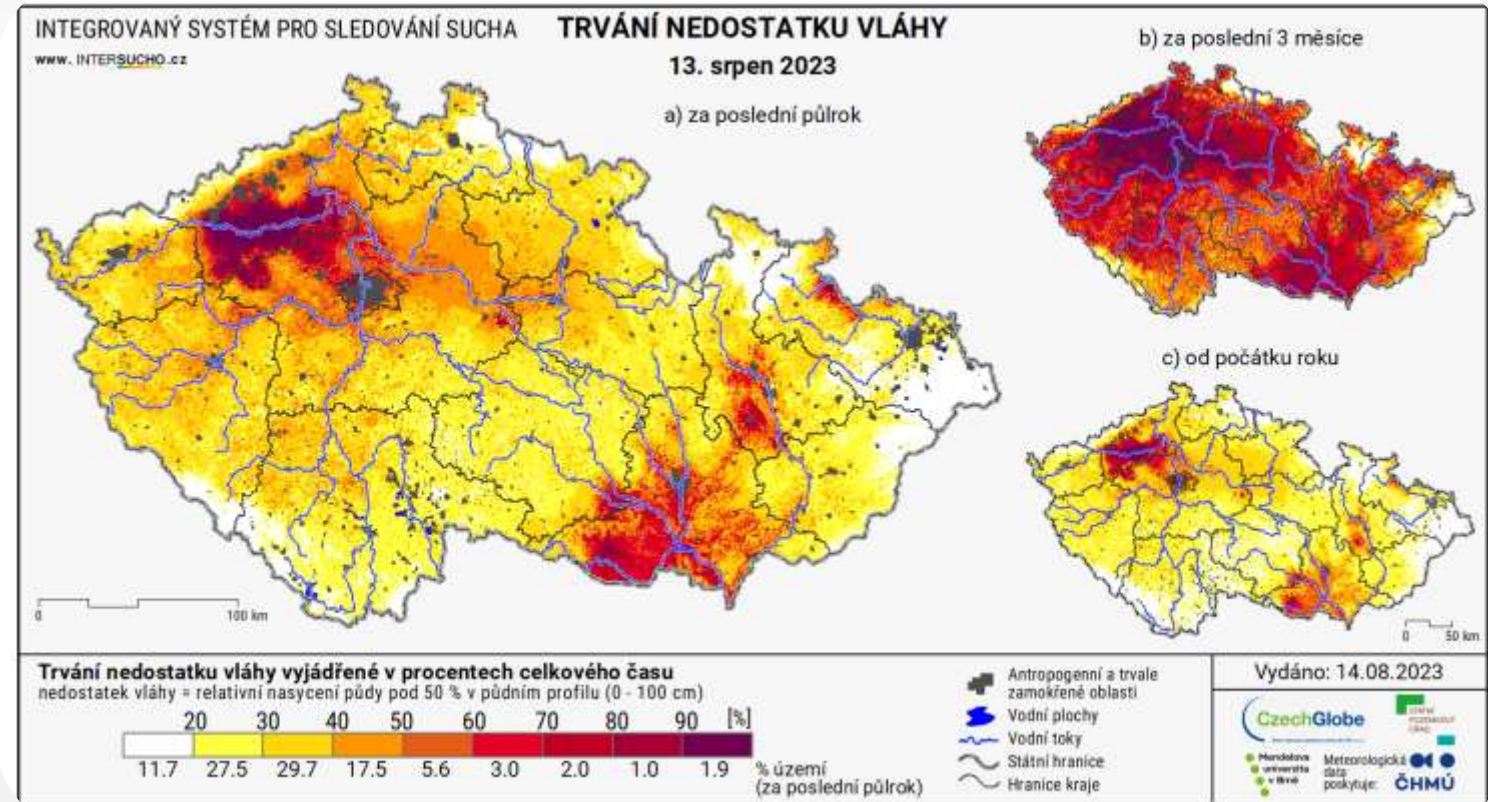
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Why high-temperature biochar?

- ✓ Ideal for dry soils of the Czech republic
- × Negative priming effect



Biochar production optimisation



Single-use pallets



950 °C

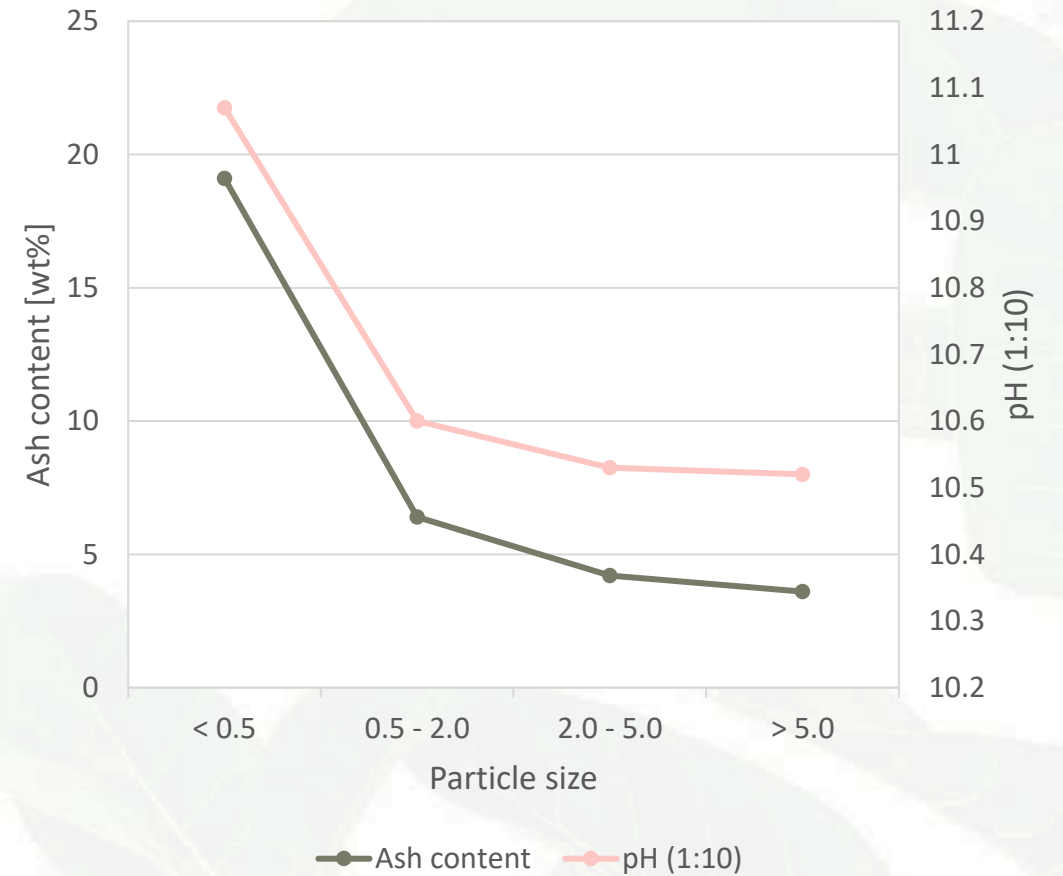
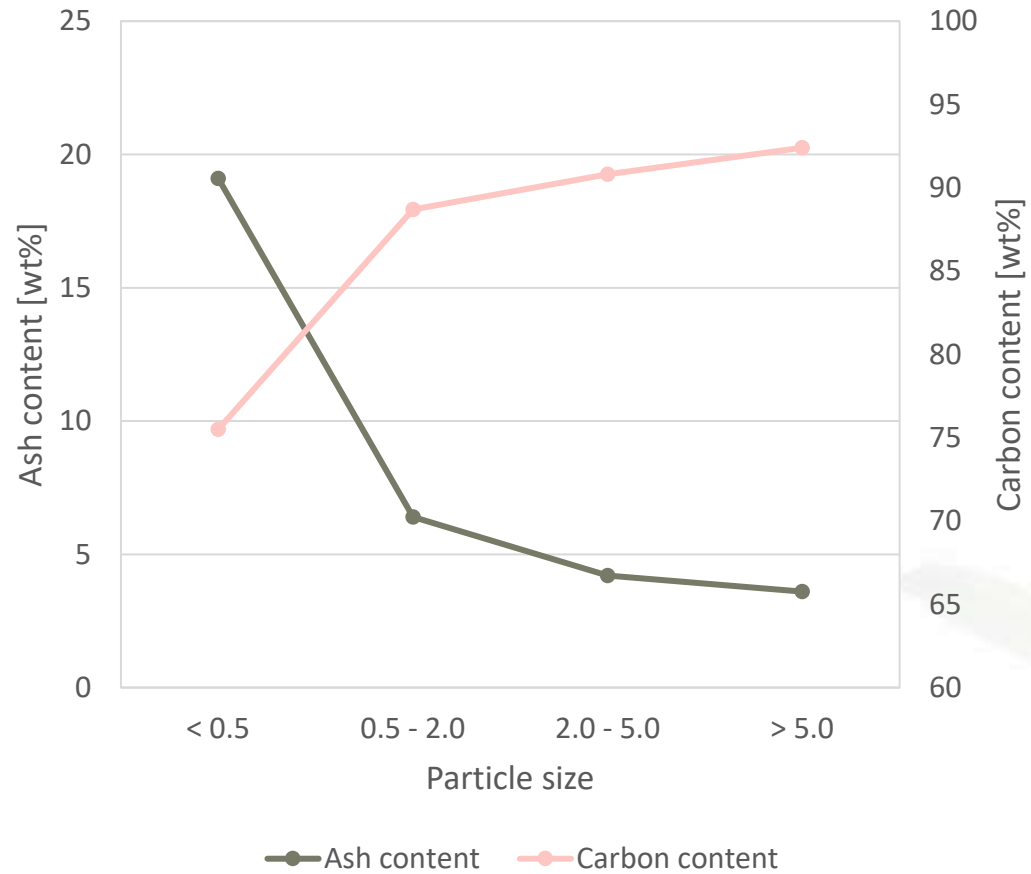


45 kg/h

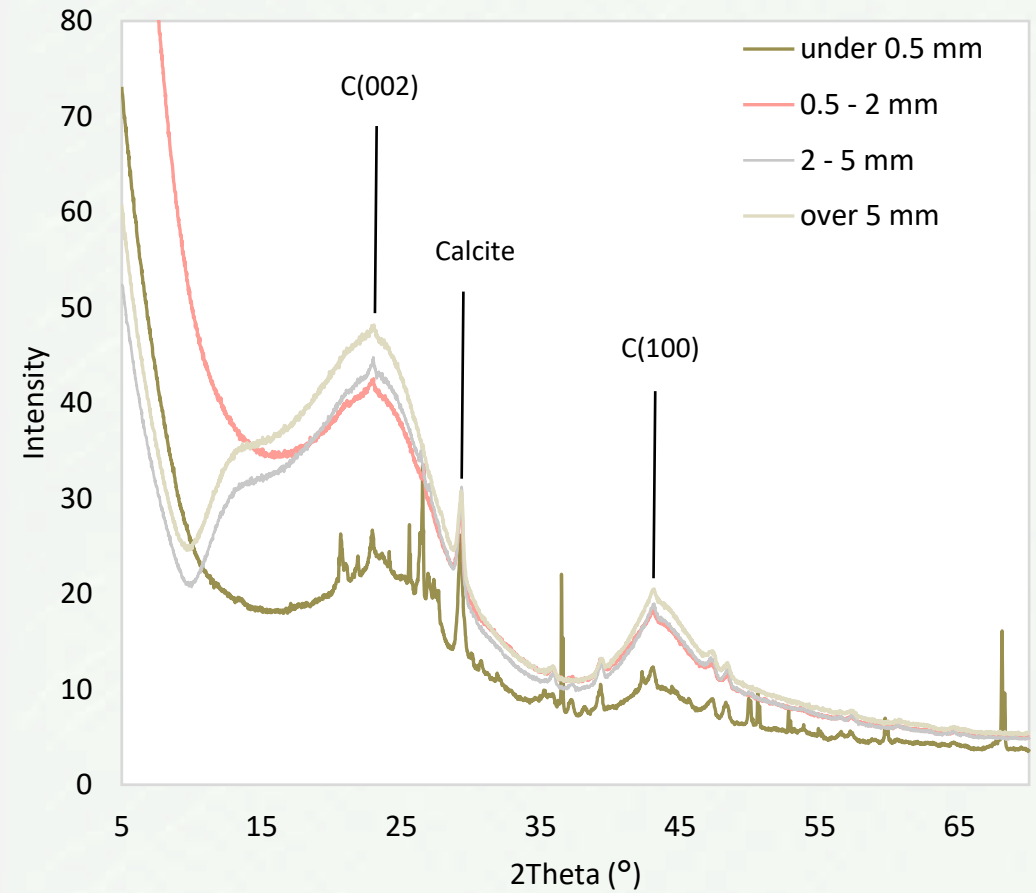
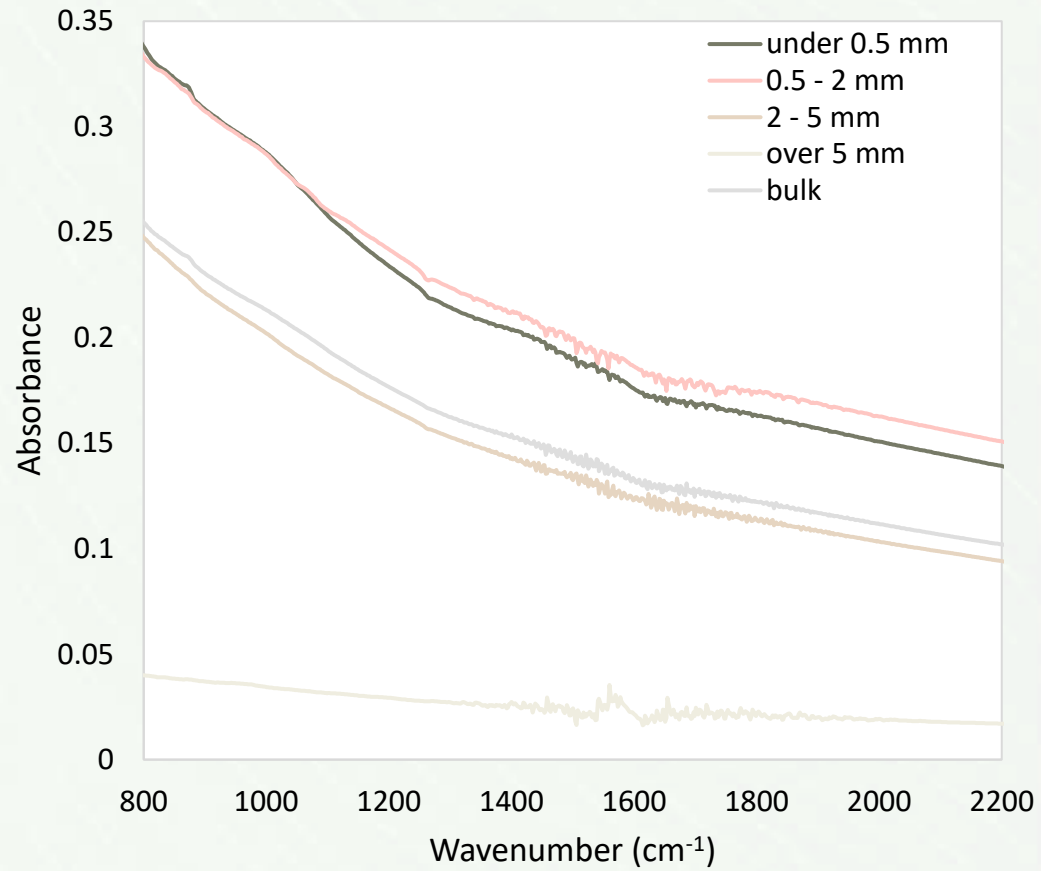


180 kW_e
Tars_{EC} << 500 mg/m³

Biochar properties



Biochar properties



Results

- C (content and structure)
- A $\rightarrow$ pH, EC, metal contents

EFFECT

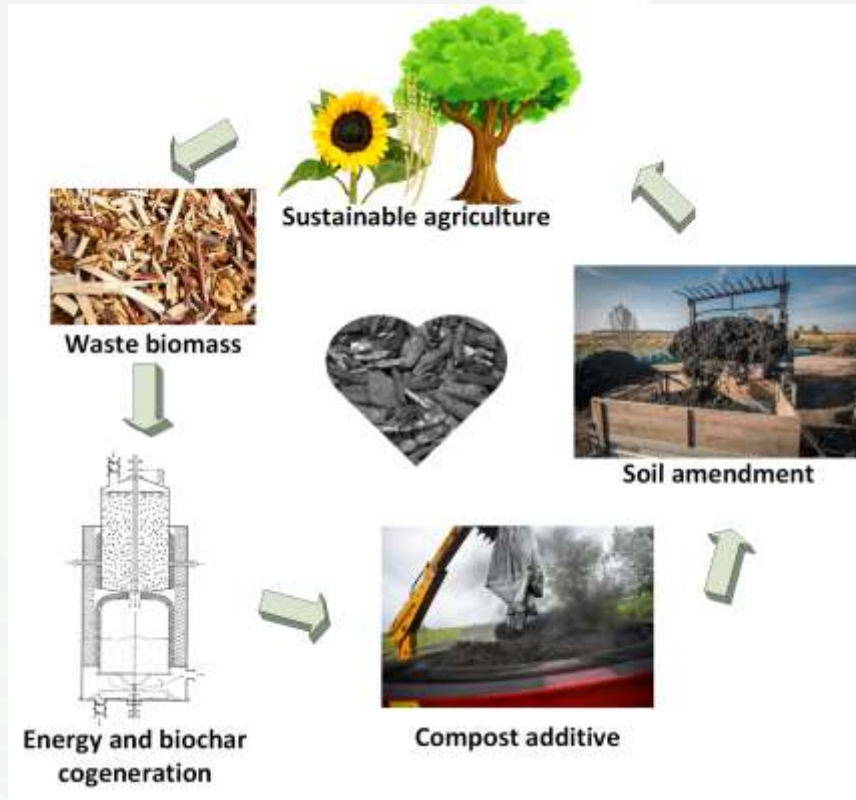


- H/C $\rightarrow$ stability in soil
- Functional groups

NO EFFECT



Conclusions and future



Stable production

Growing market

Activation process

A woman with glasses and a blue jacket is holding a handful of dark, irregular fragments in her hands. She is smiling and looking at the camera. The background is a blurred industrial or construction site. The text "Thank you" is overlaid in the center of the image.

Thank you

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