Rheological and Adsorption Properties of Sand-Clay Complexes. (S11-szegi092717-Poster)

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Abstract:

On huge sandy soil areas of Hungary, agricultural production is the only opportunity to live on. Because of the lack of colloids (organic and mineral) and cementing agents sandy soils do not develop good structure and other favorable properties. To improve physical, chemical and structural properties of sandy soils different amount of clay minerals were added in laboratory and field conditions. Besides conventional laboratory methods rheology was applied to study the samples. Improvements of CEC, the water retaining capacity, and micro-aggregate stabilities were detected.

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