Colloidal Properties and Buffering Capacity of Hungarian Soils. (S11-mcfee110250-Poster)

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Abstract:

Buffering Capacities of the A, E, and B horizons of forest soils selected from Hungarian Soil Monitoring Network sites were determined by a series of potentiometric titrations. The titration curves and buffering characteristics were compared with the colloidal composition and properties of the horizons. Buffering capacity was found to be horizon specific and related to the mineralogy and organic matter content. The E horizons tended to be low both in clay and organic matter and lower in buffering capacity than either the A or B horizons.

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