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## Systems approach to the study of clay-humus interactions in soils

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### Abstract

Humus substances and metastable secondary aluminosilicates are considered as a self-organizing system of the clay-metal-organic soil complex; the special role of illite-smectite minerals is emphasized. The functional system of clay-metal-organic soil complex is defined as a nonadditive integration of processes and structures sufficient for ensuring the kinetic stability of humus substances and secondary aluminosilicate neof ormations in the space-time continuum of interactions between living organisms and soil-forming rocks. Copyright © 2003 by MAIK "Nauka/Interperiodica" (Russia).

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