



Multifractal Analysis of Soil Pores Images.

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Fractal and multifractal concepts have been increasingly applied in soil science for describing complexity and self similarity in soil pore images. Multifractal formalisms involve decomposing selfsimilar measures into intertwined fractal sets each of which is characterized by its singularity strength and fractal dimension. This type of analysis can be done analyzing the spatial arrangement of soil pore image or analyzing the pore sizes distribution. In this work both studies are applied to five soil images with different porosity (from 5% till 55%).

It was observed that each image showed different relationships between both type of analysis. Several comments are made about it related to soil texture.