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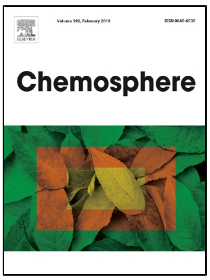

Submillimeter-scale heterogeneity of labile phosphorus in sediments characterized by diffusive gradients in thin films and spatial analysis

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Highlights

(i) Spatial distribution of labile P was visualized using GIS techniques.
(ii) Spatial variation of labile P was quantified using semivariogram and Moran's I.
(iii) Labile P had significant submillimeter-scale spatial autocorrelation.
(iv) High values of labile P with strong spatial variation were observed in summer.