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

Yuting Meng, Shiming Ding, Mengdan Gong, Musong Chen, Yan Wang, Xianfang Fan, Lei Shi, Chaosheng Zhang



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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.

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