

## Current status of the research on the phosphorus dynamics in the coastal groundwater discharge area

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A large fraction of phosphorus (P) in groundwater generally exists as the dissolved form which is more efficiently used in nutrient cycle and ecosystem than the suspended form. It suggests phosphorus transport by groundwater discharge (e.g. SGD: Submarine Groundwater Discharge) significantly effects on the coastal ecosystem. In the paper, we aimed to review the previous researches related on phosphorus dynamics in the coastal groundwater discharge area and discuss on the future prospects on it.