



*water*



*Special Issue Reprint*

## **Risk Management Technologies for Deep Excavations in Water-Rich Areas**

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In coastal areas, the groundwater level is relatively shallow and the strata are mostly saturated silt or soft soil. As such, it is difficult to carry out the construction of urban underground infrastructure in these strata, especially during the construction stage of deep excavations. Safety issues in terms of excavation deformation, continuous deformation of retaining structures, and settlement of surrounding buildings often occur, leading to an increasing risk of deep excavation constructions, which is concealed, continuous, disaster-prone, and rapid. This reprint reports many new advances in risk management technologies for deep excavations in water-rich areas and their applications.



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