
GUEST EDITORIAL

Introduction to the Themed Issue on New Advances in Marine Environmental Engineering in China

CHAOQI ZHU*

Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering (Ocean University of China),
266100 Qingdao, China

Welcome to the special issue on new advances in marine environmental engineering in China. This themed issue includes five original research papers covering different topics in marine environmental engineering.

In this issue, readers can find papers related to physical, chemical, ecological, and geological aspects of marine environmental engineering. Based on field studies and historical data analysis, Fu et al. (2019) examine the influence of human activities on coastal wetland vulnerability in the Liaohe Estuary. By comparing 2014 and 2018 monitoring data, Wang C et al. (2019) report changes in the chemical characteristics of groundwater and seawater intrusion on the Liaodong Bay coast. Wang H et al. (2019) investigate the influence of storm wave-induced seabed liquefaction on lateral deformation of monopile-type offshore wind

turbines illustrated by a case study in the Yellow River Delta. Cui and Liu (2019) analyze the effect of shear stiffness degradation on wave-induced accumulation of pore water pressure in marine sediments using numerical simulation. Qiu et al. (2019) develop an analytical model to evaluate dynamic risk during subsea tunnels, applied to the construction at Jiaozhou Bay.

All papers in this themed issue represent steps towards more sustainable engineering practice. We hope the theoretical, applied and practical research presented will further the understanding of marine environmental engineering.

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*Corresponding author e-mail: george-zhu@foxmail.com

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