TMSI
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RESEARCH SEMINAR

Modelling based study on the occurrence characteristics and influencing factors of the typical antibiotics in Bohai Bay

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Registration: https://shorturl.at/buGI6
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ABSTRACT:
Previous studies have demonstrated that antibiotics have the potential impacts to ecosystems and human health. However, due to their various classes and distinct characteristics, creating comprehensive, integrated and dynamic simulations has proven to be a challenging task. In this study, a 3D hydrodynamic-contaminant model was developed to gain a better understanding of the transportation and prevalence of antibiotics in the Bohai Bay. To accurately capture the dynamic distribution of antibiotics, both transport and biochemical processes were taken into account. Based on this model, the antibiotics' spatial and temporal distribution was examined.

About the Speaker:
Wang Xuan, Associated Professor at School of Marine Science and Technology, Tianjin University. She has received her PhD degree in Department of Civil and Environmental Engineering, National University of Singapore. She has 10 years working experience on marine science and environment. Her research interests include hydroinformatics, data assimilation and water quality modeling.