

RESEARCH SEMINAR

DEPARTMENT OF GEOGRAPHY AND RESOURCE MANAGEMENT
THE CHINESE UNIVERSITY OF HONG KONG

Rethink about the mangrove conservation and restoration in Southern China: quality vs. quantity

2 Mar 2023 (Thurs)
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Mangrove offers significant ecosystem services as provisioning, supporting, regulating and culture. Characterized with its great importance to the world, mangrove conservation and restoration had been widely considered in the last several decades. Contrary to the global trend, the coverage of mangrove in China has been increasing since 2000s. Yet a reassessment of the overall status of the mangrove habitats, population of introduced species, functionalities of mangroves was indispensable to understand the quality of mangrove. Therefore, a series of researches in Guangdong Province, Southern China had been conducted by me and my colleagues since 2010s. Comprehensive research topics referring to the mangrove distribution, distribution and control of exotic species, carbon circulation in mangrove, and coastal protection of mangrove will be presented in this seminar. Also, some future perspectives on mangrove researches will be raised for further discussion and comments.

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Dr. Peng has been focusing on the conservation and restoration of mangrove in Southern China for more than 15 years. His research interests are mainly related to the dynamics, impacts, and control of exotic mangroves. He is a council member of the Committee of Wetland Conservation in Chinese Society of Natural Resources, and Committee of Mangrove Ecosystem in Ecological Society of China. In recent five years, He has published >30 articles and received over 2 million RMB grants. His recent work is concentrated on the network among mangrove root system, intertidal sediment, macrobenthic fauna, microorganism, and groundwater on coastal carbon circulation.



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