

Oral Presentation  
**Shallow marine ostracode distribution in Hong Kong**

*Yuanyuan Hong, Moriaki Yasuhara, Hokuto Iwantani*

School of Biological Sciences and Swire Institute of Marine Science, The University of Hong Kong, Pokfulam Road,  
Hong Kong SAR, China

E-mail: [ooCirclR@gmail.com](mailto:ooCirclR@gmail.com)

Hong Kong is one of the largest and most rapidly developing cities in Asia. It is known that the marine ecosystems of Hong Kong have been seriously influenced by a variety of anthropogenic factors, including eutrophication, bottom trawling, coastal reclamation, pollution, etc. Crustacean ostracodes are known to be sensitive to such environmental degradation. However, basic information of ostracode distribution is limited in Hong Kong. Here we investigated spatial distribution of modern ostracode assemblages in grab samples. Preliminary results obtained from 55 sites covering most areas of Hong Kong waters showed that the most common species are *Sinocytheridea impressa* and *Neomonoceratina delicata* among 146 identified species. On the basis of MDS (multidimensional scaling) analysis, there are distinct differences in ostracod faunal composition among Western, Central and Eastern waters, while no cluster is clearly identified in Southern waters. Full results and their implication for conservation paleoecology will be shown in the presentation.