

Hong Kong Branch Seminar Series

Marine Environmental Pollution



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Title: Hypoxia: Nothing Could be Worse!

Abstract: Over the last few decades, hypoxia has caused major changes in structure and function of marine ecosystems as well as biogeochemical cycles over large areas. Since the 1960s, the number of “Dead Zones” has doubled every decade, and more than 400 “Dead Zones” have now been identified worldwide. Due to global warming, the problems will be further exacerbated in the coming years.

For the first time, we showed that hypoxia can alter the balance of sex hormones, impair reproduction, cause malformation and lead to a male-biased population in fish. Our recent studies further showed that parent fish exposed to hypoxia may cause epigenetic changes, leading to reproductive impairment in subsequent generations, despite their offspring have never been exposed to hypoxia before. Risk assessment based on ecological consequences, total area affected, economic loss, probability of occurrence and recovery suggest that hypoxia is probably the most important stressor in our marine environment in the coming decades.



26 November 2020 (Thursday)
10:30 am-11:30 am (GMT +8)
<https://hkust.zoom.us/j/92528219629>



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