

Ocean Circulation, Ecosystem and HypoxiA arouNd Hong Kong waters (OCEAN-HK)

The Hong Kong University of Science and Technology Theme-based Research Scheme, UGC, Hong Kong

OCEAN-HK SYMPOSIUM 2022

Status, Trend and Solution of the Greater Bay - HK Ocean

(updated 2022-07-26)

Theme-based Research Scheme (TRS)

OCEAN-HK Symposium 2022

Diagnosis and prognosis of intensifying eutrophication, hypoxia and the ecosystem consequences around Hong Kong waters: coupled physical-biogeochemical-pollution studies https://ocean.ust.hk/

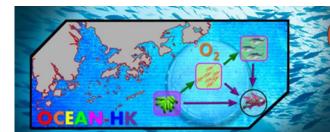
> Date: July 29, 2022 (Friday) Time: 9:00 – 17:00 (HKT) Venue: Mr and Mrs Lee Siu Lun Lecture Theater (LT-K) Hong Kong University of Science and Technology Registration Link: <u>https://bit.ly/3zD8fKS</u>

Programme rundown

(Presentation time including 5mins Q&A session)

09:00-09:05	Welcoming Remarks	Prof. Jianping Gan	HKUST
	Keynote speech (Chair: Prof. Jianping Gan)		
09:05-09:50	Controls on coastal hypoxia: A global synthesis and case studies for the East China Sea and northern Gulf of Mexico	Prof. Katja Fennel	DAL
09:50-10:35	On the ocean health and ocean sustainability: Pearl River Delta and beyond	Prof. Minhan Dai	XMU
10:35-11:20	Achievement, development and challenge of OCEAN_HK	Prof. Jianping Gan	HKUST
11:20-11:35	15mins Coffee Break		
	Report on new findings 1 (Chair: Prof. Stanley Lau)		
11:35-11:55	Warming escalating the favor towards small marine protists in hypoxic waters: An integrated laboratory and field study	Prof. Hongbin Liu	HKUST
11:55-12:15	Reversing impact of phytoplankton phosphorus limitation on coastal hypoxia due to interacting changes in surface production and shoreward bottom oxygen influx	Prof. Liuqian Yu	HKUST
12:15-12:35	Ecological risk assessment on priority emerging chemicals of concern in the South China Sea coastal region	Dr. Yuefei Ruan	CityU

Page 1/2



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	Report on new findings 2 (Chair: Prof. Hongbin Liu)		
14:00-14:20	Hypoxia and sediment oxygen consumption	Prof. Jiying Li	HKUST
14:20-14:40	High discharge intensified low net ecosystem productivity, hypoxia, and acidification at three outlets of the Pearl River Estuary, China	Dr. Xiaomei SHEN	HKUST
14:40-15:00	External and internal forcings for hypoxia formation in an urban harbour in Hong Kong	Dr. Zhongming Lu	HKUST
15:00-15:20	Coastal pollution	Prof. Guizhi Wang	XMU
15:20-15:40	Organic carbon dynamics on the NSCS shelf, a review and synthesis	Dr. Tiantian Tang	XMU
	Report on new findings 3 (Chair: Prof. Jiying Li)		

15:40-16:00	Microbial assessment of pollution and response to hypoxia in the coastal South China Sea	Prof. Stanley Lau	HKUST
16:00-16:20	Features of sediment erosion during typhoon events over the PRB ar its impacts on the PRE	nd Prof. Ji Chen	HKU
16:20-16:40	Metagenomics analysis on the alterations of microbial community composition and functional repertoire under hypoxia	Dr. Lok Yi Tang	HKUST

16:40-17:00 Summary and discussion (Chair: Prof. Jianping Gan)