

CV of Professor Kenneth M. Y. Leung

1. Academic Qualification

- PhD (2000, as Swire Scholar), University of Glasgow, United Kingdom
- MPhil (1996), City University of Hong Kong, Hong Kong
- BSc (1st Class Hon.; 1993), University of Portsmouth, United Kingdom

2. Positions Held (Chronological Order)

- Professor, School of Biological Sciences and the Swire Institute of Marine Science, The University of Hong Kong (HKU) (2013-present)
- Interim/Deputy Director of HKU School of Biological Sciences (12/2017-01/2019)
- Associate Dean (Research), HKU Faculty of Science (02/2014-01/2017)
- Associate Professor (Tenured, 2009-2013), Assistant Professor (2003-2009) and Research Assistant Professor (2002-2003) at HKU Faculty of Science
- Croucher Postdoctoral Research Fellow at School of Biological Sciences, Royal Holloway, University of London, United Kingdom (2000-2001)

3. Research Areas Related to Ocean Science, Technology and/or Policy

- Professor Leung is a marine ecologist and his research is focused on marine ecology, pollution, ecotoxicology, environmental risk assessment, marine biodiversity conservation and ecologically engineered shorelines.

4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):

Professor Leung has completed a number of externally funded research projects (total value > HK\$25 m) and trained 18 PhD and 8 MPhil students as well as 13 postdoctoral researchers. At present, he is conducting the following projects:

- Pilot Site Trials of Sustainable Measures at Seawalls within Victoria Harbour – Tsuen Wan Promenade (as PI), HK\$ 1,084,417 funded by Development Bureau, the HKSAR Government (Nov 2019 – Oct 2022)
- SIRMS 2.0: Establishing Asia's premier stable isotope ratio mass spectrometry laboratory in Hong Kong (as Project Coordinator), HK\$ 3,804,007 funded by Collaborative Research Fund of Research Grants Council, the HKSAR Government, (Jun 2019 - May 2022)
- Second Pilot Trial of Eco-shoreline at the Taishan Receptor Site (as PI), HK\$ 1,400,000 funded by Civil Engineering and Development Department, the HKSAR Government (Jul 2018 - May 2020)
- Site Trials of Eco-shoreline on Seawalls at Sai Kung, Lung Kwu Tan and Ma Liu Shui (as PI), HK\$ 2,702,500 funded by Civil Engineering and Development

Department (Feb 2018 - Aug 2022)

- Enhanced separation and sludge refinery for wastewater treatment - Solving the nexus of pollution control and resource recovery in mega cities (as Co-PI), HK\$ 32,000,000 [allocated HK\$ 1,700,000] funded by Theme-based Research Scheme of Research Grants Council, (Oct 2016 - Sep 2021)

5. Five Key Publications over the Past 5 Years (*Corresponding author)

- Zhou, G.J.*, Lai, R.W.S., Sham, R.C.T., Lam, C.S., Yeung, K.W.Y., Astudillo, J.C., Ho, K.K.Y., Yung, M.M.N., Yau, J.K.C., **Leung, K.M.Y.*** (2019). Accidental spill of palm stearin poses relatively short-term ecological risks to a tropical coastal marine ecosystem. *Environmental Science and Technology*, IF: 7.149, 53: 12269-12277.
- Morris, R.L., Heery, E.C., Loke, L.H.L., Lau, E.T.C., Strain, E.M., Airoidi, L., Alexanders, K.A., Bishop, M.J., Coleman, R.A., Cordell, J.R., Dong, Y.W., Firth, L.B., Hawkins, S.J., Heath, T., Kokora, M., Lee, S.Y., Miller, J.K., Perkol-Finkel, S., Rella, A., Steinberg, P.D., Takeuchi, I., Thompson, R.C., Todd, P., Toft, J.D., **Leung, K.M.Y.*** (2019). Design options, implementation issues and evaluating success of ecologically-engineered shorelines. *Oceanography and Marine Biology: An Annual Review*, IF: 6.286, 57: 169-228.
- Zhou, G.J., Li, X.Y., **Leung, K.M.Y.*** (2019). Retinoids and oestrogenic endocrine disrupting chemicals in saline sewage treatment plants: Removal efficiencies and ecological risks to marine organisms. *Environment International*, IF: 7.943, 127: 103-113. Wang, Z., Lui, G.C.S., Burton, G.A., Jr., **Leung, K.M.Y.*** (2019). Thermal extremes driven by climate change can intensify chemical toxicity to freshwater organisms and hence impact their communities. *Chemosphere*, IF: 5.108, 224: 256-264.
- Mu, Y.S., Wang, Z., Wu, F.C.*, Zong, B.Q., Yang, M.R., Sun, F.H., Feng, C.L., Jin, X.W., **Leung, K.M.Y.***, Giesy, J.P. (2018). Model for predicting toxicities of metals and metalloids in coastal marine environments worldwide. *Environmental Science and Technology*, IF: 7.149, 52: 4199-4206.

6. Awards and Recognition

- Top 1% Cited Scientist in Ecology/Environmental Science by Clarivate Analytics' Essential Science Indicators, and Top 1% Scholar at HKU (2015; 2017-2019).
- Certificate for Top Downloaded Article in *Environmental Toxicology and Chemistry* [2017-2018] by Wiley (2019).
- Justice of the Peace appointed by the Hong Kong SAR Government, 2018
- Selected as one of the top 100 Asian Scientists by *Asian Scientist Magazine*, 2018
- Fellow of the Society of Environmental Toxicology and Chemistry (SETAC), 2017
- The 19th Biwako Prize for Ecology by Ecological Society of Japan, 2017
- Outstanding Research Student Supervisor Award by HKU, 2016
- Outstanding Young Person Award by Junior Chamber International Hong Kong, 2010

- Marine Pollution Bulletin Highly Cited Author Award [2005-2009] by Elsevier, 2010.