

THE EDUCATION UNIVERSITY OF HONG KONG
FACULTY OF LIBERAL ARTS AND SOCIAL SCIENCES

Research Output/Impact Prize for the Dean's Research Fund 2017-18

**Brief Introduction of Awardee's
Research Publication/Study and Future Research Development**

Awardee (Dept): Dr. Lam Chung Wah James, Assistant Professor (SES)
Publication Title: Assessment of Contaminants of Emerging Concern in Aquatic Environment

A. *Briefly introduce your research publication/study for which you have received the prize.*

Contaminants of emerging concern (CECs) such as halogenated flame retardants (HFRs), perfluoroalkyl substances (PFASs), and pharmaceuticals and personal care products (PPCPs) have been receiving wide attention due to their potential adverse effects on animals and humans at relatively low levels of exposure. In the past few years, I have independently or jointly developed the analytical methods to identify and quantify the CECs in aquatic environment. Based on the exposure levels determined, their potential impact on aquatic organisms are evaluated. Overall, the outcome can help to better understand the risks of some important but understudied chemical contaminants in the environment, and raise public awareness about impact and hazards of these emerging contaminants.

To date, I have published more than 70 articles in the international refereed journals such as *Environmental Science & Technology*, and *Environmental Pollution*, with *H*-index: 32, and sum of the times cited: 2675 according to Google Scholar (https://scholar.google.com.hk/citations?user=38Kn_nkAAAAJ&hl=zh-TW). Over the past two years, I have published 18 research articles in total, 13 articles in rank A* and five articles in rank A journals respectively. All these publications encompass the topic of emerging contaminants.

B. *How you used/will use your prize and perhaps its usefulness to your research development?*

The funding will be used for developing new and versatile analytical method for analysis of other emerging contaminants.

C. *Expected research outcomes/outputs/impacts arising from this prize.*

New results regarding the emerging contaminants in the marine ecosystem, and corresponding publications will be arising from the funding support.