

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

Research Output/Impact/Knowledge Transfer Prize
for the Dean's Research Fund 2020-21

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

Awardee (Dept): Dr Tsang Yiu Fai, Associate Professor (SES)
Publication Title/KT project: Environmental Pollution Control and Management: From "Waste" to "Treatment"

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

Through the collaboration with Guizhou University, University of Wuppertal, Universiti Malaysia Terengganu, Qingdao University of Technology, University of Strathclyde, South China University of Technology, and Tongji University, different technologies and systems were designed and developed for environmental pollution control and management, including wastewater and sludge treatment, bioremediation, resource recovery, microfibre detection and remediation, and microbial CO₂ fixation.

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

The prize will be used to recruit a research assistant and to support the necessary resources and technical services to conduct follow-up experiments about this topic.

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

I expect that a ECF proposal will be developed for submission.