

Senior Research Assistant (Ref: 2500353)
Department of Science and Environmental Studies

Project Title:

- 1) **Risk Assessments of Co-exposure to Weathered Nanoplastics and Toxic Contaminants in Hong Kong Aquatic Environments**
- 2) **Stabilization Mechanisms of Endogenous Heavy Metals in Biochar Derived from Livestock Manure**
- 3) **Bioresource Upgrade for Sustainable Development in Lantau Island**

[Appointment Period: 12 months]

The appointee will be responsible for providing support for research projects by (1) the related biological toxicity of the identified microplastics, nanoplastics, and the adsorbed pollutants in the water environments, (2) biochar design and production for stabilization and composting, and (3) transforming food waste/yard waste into valuable resources.

Duties include conducting literature review, collecting samples, conducting trial tests on formulating different food waste/yard waste-based compost, examining the growth performance of crops after applying the compost in agriculture soil, developing the cultivation of environmentally beneficial microorganisms and human cells, developing protocols for microbial community analysis and biological toxicity studies, preparing standard operating procedures, performing data analysis, transforming the evidence-based research into teaching materials, disseminating the results in seminars and workshops, and performing other duties assigned by the co-project leaders. He/she will assist in meetings with the project team members and Outlying Islands Women's Association, research proposal preparation, and daily execution of the project and coordination with the teams in different universities. The appointment will be for a period of 12 months, with the possibility of renewal subject to mutual agreement.

Applicants should have a Master's degree in Environmental Science/Environmental Technology/Environmental Education or related disciplines plus at least one year's post-qualification full-time environmental research experience. Applicants should have a good command of written and spoken English and Chinese, proficiency in spoken Cantonese, and good organizational skills. Preference will be given to applicants with full-time teaching experience in local primary and/or secondary schools, good knowledge of developing analytical protocols for the identification and characterization of microplastics and/or adsorbed pollutants in environmental samples, and the ability to work independently with minimal direct supervision. They should also be a good team player, attentive to details, highly self-motivated, and able to work under pressure. Immediate availability is preferred.

This position will be supervised by Dr Yiu Fai Tsang, please visit this website: <http://www.eduhk.hk/ses/tsangyf>.

Salary will be commensurate with qualifications and experience.

Initial appointment will be made on a fixed-term contract. Fringe benefits include contract-end gratuity, leave, medical and dental benefits.

The University only accepts and considers applications submitted online for this post. Applicants should complete the [online application form](#) and upload a full CV. **Review of applications will start from 9 April 2025, and will continue until the post is filled.** Applications which are incomplete or without the required documents may not be considered. Personal data provided by applicants will be used for recruitment and other employment-related purposes. For details of the Personal Information Collection Statement, please refer to <http://www.eduhk.hk/jobsoff/index.php?glang=en>.

All applications will be treated in strict confidence. Only those who are shortlisted will be contacted. The University reserves the right not to fill the position(s) advertised.

Further information about the University is available at <http://www.eduhk.hk>.

EdUHK is an Equal Opportunities Employer.