

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

**Research Output Prize**  
**for the Dean's Research Fund 2021/22**

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

<b>Awardee (Dept):</b>	<u>Dr Au Ka Man, Assistant Professor (SES)</u>
<b>Publication/Research Output Title/project:</b>	<u>Dual-Functional Mesoporous Copper(II) Metal-Organic Frameworks for the Remediation of Organic Dyes</u>

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

A new class of porous materials based on copper has been developed for the removal of organic dyes from water. These materials can be used for direct adsorption of cationic dyes, as well as the degradation of anionic dyes under visible light. The dual functionality and general applicability of these materials make them useful for environmental remediation.

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

The prize will be used to support the general expense for follow-up experiments on this topic.

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

New insights to assist the development of functional porous materials are expected.