

**Date:** Friday Feb 14th**Time:** 16:00 (UTC+8)**Venue:** 3N01 + Zoom

The digitization of museum specimens is a rapidly growing practice, and provides considerable potential for cataloguing, research, teaching and improving public access to museum collections. The Hong Kong Biodiversity Museum (HKBM) boasts Hong Kong's largest natural history collection, with more than 55,000 specimens across the taxonomic spectrum, from plants to insects to vertebrates. However, constraints to space, funding, and manpower, pose challenges to sharing these valuable and unique resources. In a joint project between HKBM and City University, we are building a digital collection with the goal of expanding accessibility to our collection and creating new and safe ways for public interaction. I will share the various digitization techniques and outputs from the project, from CT scanning specimens, Augmented Reality on the GIMII app (models will be available for the audience), and 3D printed models and 3D animations. Ultimately these new specimen-based approaches will offer further opportunities for teaching and developing collaborations.

Expanding Engagement in Hong Kong through Specimen Digitization, 3D Modeling, AR Technology, and 3D Printing of Hong Kong Biodiversity Museum Specimens



Deidra Wirakusumah

Deidra Wirakusumah is a Research Assistant at the Hong Kong Biodiversity Museum working on a project supervised by Benoit Guénard (HKU) and Mason Dean (CityU). She received her Bachelors in Environmental and Sustainability Sciences from Cornell University and her Masters in Environmental Management from the University of Hong Kong. She has worked with Genius Greens, Livin Farms, University of California Berkeley and Cornell University on projects related to Environmental and Conservation Education. Her interests revolve around the intersection of education, ecology, and art.

ALL ARE WELCOME!

