

BIO

Dr. Ke received her doctoral degree from National Chung Hsing University and Academia Sinica, Taiwan, in 2017. Her PhD focused on the diversity and evolution of aquatic animal pathogen *Vibrio* by genomic approaches. She obtained an independent postdoctoral fellowship of Academia Sinica twice (2017& 2021) and targeted studying fungi of ecological importance in Dr Isheng Jason Tsai's lab, Biodiversity Research Center. She focuses on a long outstanding question of why bioluminescence was evolved and maintained in mushrooms by using multifarious approaches of going from sampling, bench work, and omic analyses to gain fundamental biological insights, and this work was published in PNAS. She was invited to write two reviews to provide the updated understanding of these fungi. She has also joined several genomic projects including yeast population projects and assisted the nanopore sequencing technology in lab.

In February 2023, she assumed the position of Assistant Professor in the Department of Microbiology at Soochow University, where she is currently dedicated to researching the diversity of yeast and bioluminescent fungi.