

## **Biography**

### **Assoc. Prof. Gin Yew-Hoong, Karina**

Karina Gin is an Associate Professor at the Civil & Environmental Engineering Department at the National University of Singapore (NUS). She received her B.Eng in Civil Engineering from the University of Melbourne (1988), M.Eng Degree from NUS (1991) and Doctor of Science (ScD) Degree jointly from the Massachusetts Institute of Technology and the Woods Hole Oceanographic Institution (1996). Her research specialisation is in water quality, especially in the development of rapid and sensitive methods of detection for emerging contaminants of concern and understanding their fate and transport in the environment. Her current research focuses on the occurrence and fate of pathogens, antimicrobial resistance and emerging organic contaminants in tropical surface waters and harmful algal blooms in fresh waters. Dr Gin received a UN Atlas Award for excellence (co-author of "The Environment in Asia Pacific Harbours"). She is a member of the WHO Expert Group on Antimicrobial Resistance in Water Safety and Hygiene and is currently holding the Dean's Chair at the Faculty of Engineering (NUS).