## 1. Personal Information

Full Name: Annette Shoba Vincent
NUS Email: annettesv@nus.edu.sg

## 2. Current Appointment

Academic Title: Senior Lecturer
Department/Faculty: RVRC

## 3. Education

PhD in Biochemistry, National University of Singapore, 2010

## 4. Teaching Experience at RVRC/NUS

RVC2000E – Culture and Sustainability in Southeast Asia (AY2026/27)
RVSS1002 – Feeding the Belly of a nation (AY2026/27)

## 5. Research Interests (60-75 words)

Annette's research centers on environmental microbiology in wastewater management, with particular focus on sustainable resource recovery and phage–microbe interactions relevant to treatment stability and circular bioeconomy applications. Alongside her research, she is deeply engaged in educational innovation and mentorship, applying design thinking with the LUMA framework to support learners in building clarity, creativity, and purposeful, human centred practice. She is particularly engaged in work around the bystander effect, drawing on approaches such as Green Dot and restorative practices to promote shared responsibility and everyday action.

## 6. Selected Awards/Publications (Max 3)

George DM, Ramadoss R, Mackey HR and Vincent A.S. (2022). Comparative computational study to augment UbiA prenyltransferases inherent in purple photosynthetic bacteria cultured from mangrove microbial mats in Qatar for coenzyme Q10 biosynthesis., *Biotechnology Reports*, Volume 36, e00775

Wada, O. Z., Vincent, A. S., Mckay, G., and Mackey, H. R. (2025). Harnessing pH and light cycles to boost microbial protein production in mixed culture purple non-sulfur bacteria wastewater bioremediation. *Journal of Water Process Engineering*, 69, 106785.

Vincent, A. S., and Ramadoss, R. (2025). Bioinformatics Revolution in wastewater treatment process optimization. In *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.1011993

## 7. Residential College Contributions RVRC/NUS

- Dodgeball Interest Group (AY26/27) Staff Advisor
- RV Explorers Interest Group (AY26/27) Staff Advisor