C. Yan Toe
Rivers, Ports, Waterways and Dredging Engineering

## Research profile

Chit investigates the fluid mechanics of plastic waste accumulation at hydraulic structures in rivers and open-channel flows using computational, analytical, and experimental methods.

## Employment

**Rivers, Ports, Waterways and Dredging Engineering**
Delft University of Technology
1 Dec 2021 → 30 Apr 2026

## Research outputs

**Stability of an Idealized Floating Carpet of Plastic Spheres in an Open Channel Flow**
Yan Toe, C., Uijttewaal, W. & Wüthrich, D., 2025, In: Journal of Hydraulic Engineering. 151, 4, 14 p., 04025010.

**Accumulation of floating particles at hydraulic structures**
Magherini, A., Yan Toe, C., Stancanelli, L. M., Wüthrich, D. & Uijttewaal, W. S. J., 2024, p. 43-44. 2 p.

**Different approaches for particle representation in plastic debris transport models**
To, C. Y., Uijttewaal, W. & Wüthrich, D., 2024, *River Flow 2022: Proceedings of the 11th Conference on Fluvial Hydraulics, 2022.* da Silva, A. M. F., Rennie, C., Gaskin, S., Lacey, J. & MacVicar, B. (eds.). CRC Press / Balkema - Taylor & Francis Group, p. 928-933 6 p.

**Predicting the flow and transport of plastic debris in open waters**
Yan Toe, C., Uijttewaal, W. S. J. & Wüthrich, D., 2022, *Anthropogenic Rivers: Book of Abstracts NCR DAYS 2022 13-14 April | TU Delft.* Blom, A., Stancanelli, L. M., Dercksen, J. A., Ylla Arbós, C., Chowdhury, M. K., Ahrendt, S. M., Piccoli, C., Schielen, R. M. J., Sloff, K. & Slinger, J. H. (eds.). p. 45-46 (NCR Publication; no. 49-2022).