



Australian PhD scholarship opportunity

Nutrient recovery from a source separated urine for a circular economy

Nutrient in a Circular Economy (NiCE): ARC Industry Research Hub

NiCE is an [Australian Research Council](#) funded industry research hub where researchers, scientists, engineers, government agencies and industry experts from seven universities and many industries and organisations as partners working together to develop, test and upscale new technologies to achieve nutrient recovery from waste. The [ARC NiCE Hub](#), led by the [University of Technology Sydney \(UTS\)](#) is therefore an interdisciplinary research hub tackling the technical, social, industrial, economic, and policy enablers to advance a circular economy for nutrients.

We are pleased to announce an excellent opportunity for a PhD scholarship at UTS to work on the development of technologies for nutrient recovery from urine as part of the projects within the ARC NiCE Hub.

PhD Project

One of the focus areas of the NiCE Hub at UTS is the recovery of nutrients from human urine. The student will be located at UTS's [Centre for Technology in Water and Wastewater \(CTWW\)](#) of the School of Civil and Environmental Engineering under the Faculty of Engineering and Information Technology. CTWW has been consistently recognised for the development of world-class research in the water and wastewater field. UTS has been ranked by [US News in 2022](#) as the best #1st university globally for Water Resources and ranked 2nd in the world for SDG 6 Clean Water and Sanitation by 2022 [Times Higher Education Impact Ranking](#). The centre is focused on the development of innovative technologies that deliver abundant supplies of recycled, desalinated, harvested storm water and resource recovery. The PhD project will contribute to this NiCE Hub program by investigating effective nutrients recovery systems that allow improved nutrient recovery and higher end-products.

PhD support

The student will be jointly supervised by Prof Hokyong Shon and Dr Sherub Phuntsho at CTWW. The total scholarship stipend is AUD\$50,000 (tax-free) per annum for 3.5 years, and additional funding for travel and project work up to \$9,500 will also be available. The successful applicant can begin in Feb/March 2024.

Who should apply?

The applicant should have a minimum qualification of master's degree or bachelor's degree with Honours (Distinction) from the following disciplines:

Civil engineering, environmental engineering, civil & environmental engineering, chemical engineering, mechanical engineering, environmental science, polymer science, organic chemistry and environmental chemistry



How to apply

The application process has two stages.

Stage 1:

Please send a copy of your CV, including details of educational attainment, employment history, publication activities, and citizenship, together with a cover letter to Prof Ho Kyong Shon (Hokyong.Shon-1@uts.edu.au), by 15 February 2024.

Stage 2:

Shortlisted applicants will be interviewed, and the preferred candidate will then work with the supervisory panel to prepare a research proposal for submission.

Initial closing date: 15 February 2024

Open to only: Australian citizens and current Permanent Resident visa holders.

If you require further information on the position, contact Prof Ho Kyong Shon by email on Hokyong.Shon-1@uts.edu.au or Sherub.Phuntsho@uts.edu.au