

PhD Scholarship

A PhD scholarship is currently available in the CRC for Water Sensitive Cities, within the Environmental and Public Health Microbiology Lab (EPHM Lab), the Department of Civil Engineering at the Clayton campus, Monash University. This project is funded by the Australian Cooperative Research Centre's scheme (www.crc.gov.au).

The project

The student will be affiliated with a project of the CRC for Water Sensitive Cities:

“CRC for Water Sensitive Cities: Project C1.3: Fit-for-purpose water production”.

The overall aim of this project is to deliver low-cost and low energy-consuming filtration technologies that can be embedded in the urban landscape to produce for fit-for-purpose water from a variety of sources including stormwater and various types of wastewater (greywater and secondary treated effluent). The student will have the opportunity to work on the development of sustainable technologies for the treatment of stormwater and wastewater, focusing on novel and passive/natural treatment systems for pathogen or chemical treatment. The student may also have the opportunity to work on the development of validation methods and operational monitoring regimes for these systems. More information on the project can be provided upon request.

The opportunity

One CRC for Water Sensitive Cities Scholarship is available in the Department of Civil Engineering, Monash University, Clayton Campus. The position is for 3 years full-time research towards a PhD. A tax-free stipend is provided (roughly \$28,000/year). There is potential for the applicants to earn an extra \$3,000 (not-tax free) per annum through assistance in undergraduate teaching. Australian citizens, Australian permanent residents, or New Zealand citizens, are exempt from the full tuition fee costs for the duration of candidature. International students are eligible to apply on the condition the awardees have the ability to meet full tuition fee costs for the duration of candidature. Attendance at both national and international conferences could be provided during the course of the degree. The applicant will work with an internationally recognised research group on urban water management and will be associated with the newly established Monash Water for Liveability (<http://www.waterforliveability.org.au/>) and the CRC for Water Sensitive Cities (<http://watersensitivecities.org.au/>).

Selection criteria

The student will need to meet ALL of the following criteria:

1. Bachelor of Science degree with H1 Honours (majoring in: Microbiology, Chemistry, Plant sciences, or Biochemistry) *OR* Bachelor of Engineering degree with H1 honours (majoring in Civil or Environmental Engineering);
2. An excellent academic record; and,
3. Interest in working in an applied research team.

Enquiries

Dr David McCarthy, Department of Civil Engineering, Telephone 03 9905 5068 or email david.mccarthy@monash.edu

Applications

Your application should include:

- employment history;
- journal and conference publications;
- a copy of your academic transcript; and,
- the names and contact details of three referees.

Send your application to david.mccarthy@monash.edu.

Closing Date

31st March 2014