PHD SCHOLARSHIP

The School of Civil Engineering and Advanced Water Management Centre at The University of Queensland (Brisbane, Australia) are jointly offering top-up PhD scholarships for motivated students to contribute to research being undertaken in the field of environmental engineering. Potential students with an interest in biochemistry, environmental electrochemistry, and organic chemistry are strongly encouraged to apply. The top-up scholarships will be for three (3) years with the possibility of a 6 month extension in approved circumstances. International student fee-waivers are also available to exceptional candidates.

PROJECT INFORMATION
Creating a circular economy: from waste to resource: Due to recent success in grant application and increase in staff capacity in both research groups, there is an exciting opportunity to undertake a Doctor of Philosophy program. The main theme of the research directive is more efficient use of our resources and where possible creating a circular economy where resources are used in an efficient and sustainable way and subsequently recovered and reused with a special focus on removal and recovery of heavy metals from biosolids. The project will be in close collaboration with other research groups at the University of Queensland as well as the international renowned research institutes.

THE ROLE
The successful candidates will receive systematic training in Biological processes, Environmental engineering, Electrochemistry, and Organic Chemistry. The student will conduct detailed laboratory scale investigations to fundamentally understand relevant processes and reveal mechanisms, and maybe be involved in pilot plant and/or field investigations of the effectiveness of the concept and validation. The candidate will be housed in an excellent research environment with excellent laboratory facilities and expertise.

QUALIFICATIONS
The candidate will have a master’s degree or 1st Class Honours degree or equivalent in science and domestic applicants should be eligible for an Australian Postgraduate Award (APA) or equivalent (for more information, please visit: http://www.uq.edu.au/grad-school/domestic-student-scholarships). Background in environmental and/or chemical engineering is desirable. International applicants must meet the University of Queensland's English Language Proficiency (ELP) requirements detailed at http://www.uq.edu.au/grad-school/english-language-proficiency-requirements.

Mandatory requirements for international applicants:

1. At least 1 high quality research publication or practical experience in the relevant field;
2. Excellent academic performance evidenced by a high Grade Point Average (GPA).

HOW TO APPLY
Interested candidates should submit an Expression of Interest to Dr. Ilje Pikaar at (i.pikaar@uq.edu.au) and Dr. Qilin Wang (q.wang@awmc.uq.edu.au), which must include:

   1. A brief (1-page) cover letter detailing your relevant experience and research interests
   2. A full academic CV including references to published material and at least two academic referees
   3. A copy of your academic transcript (this does not need to be an official copy at this stage).

Should the EOI be successful you will be required to apply for admission through the School. Further instructions on this application process can be found at: http://www.civil.uq.edu.au/research-higher-degree.

Submission due by 14/12/2016

www.awmc.uq.edu.au and www.civil.uq.edu.au