



PhD Scholarship, Curtin Institute for Functional Materials and Interfaces

Status: **Open**

Applications open: 1/06/2019

Applications accepted at any time

About this scholarship

Description/Applicant information

We are seeking a highly motivated PhD student to join a multidisciplinary project exploring the behaviour and applications of electrified liquid/liquid (oil/water) interfaces.

The interfacial properties of liquid/liquid systems are the controlling factors in many natural and industrial processes, such as the formation and stabilization of membranes, emulsification/de-emulsification, solvent extraction processes, chemical sensors, etc. This project will explore variations in the interfacial structure of surfactant-modified liquid/liquid interfaces by combining tensiometry and electrochemistry in novel experimental studies supported by numerical modelling. The key goal is to understand the impact of interfacial transport events on the modified interface so as to enable design of improved technologies.

Applications for this PhD scholarship should have strong analytic skills and a good mathematical background, and should be qualified to Honours Bachelor degree or Master degree in Chemical Engineering or Chemistry (or related subjects).

Student type

- Future Students

Faculty

- Faculty of Science & Engineering
 - Science courses

Course type

- Higher Degree by Research

Citizenship

- Australian Citizen
- Australian Permanent Resident

Scholarship base

- Need Based
- Merit Based

Value

\$27,092 per annum.

Scholarship Details

Maximum number awarded

1

Eligibility criteria

Applicants must hold a Honours Bachelor degree or Master degree in Chemical Engineering or Chemistry (or related subjects).

Enrolment requirements

N/A



How to apply

Application process

Applicant need to contact supervisors directly via email below.

Need more information?

Enquiries

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