

# Postgraduate Research Opportunities

## Macroalgal Research & Development

PhD and Honours students are sought to participate in the project “**Development of a sustainable South Australian macroalgal aquaculture industry**”, recently funded by the **South Australian Premier’s Sciences and Research Fund**.

The project is a research collaboration led by the South Australian Research and Development Institute, with the **University of Adelaide, Flinders University of South Australia** and Science to Manage Uncertainty and has the following clients; Abalone Investments Ltd, Adam and Amos Abalone Foods Pty Ltd, Penrice Soda Products Pty Ltd, PIRSA Aquaculture and Fisheries, Marinova Pty Ltd and Coorong Aquaculture Pty Ltd.

The project initiates a strategy to establish South Australia as a lead state for macroalgal aquaculture production and associated research and development, with significant value-adding opportunities likely to follow.

Three primary fields of research are on offer:

- **The use of macroalgae as feed for abalone.** Experience or an interest in aquatic animal nutrition is desirable. Key contacts: Assoc. Prof. Jian Qin, Flinders University (Ph. 08 - 8201 3045) and Dr David Stone, SARDI (Ph. 08 - 8207 5350).
- **The physiological optima of select macroalgae.** Experience in macroalgal ecology, physiology and culture is desirable. Key contacts: Dr Fred Gurgel, University of Adelaide (Ph. 08 - 8222 9291) and Dr Sasi Nayar, SARDI (Ph. 08 - 8207 5321).
- **Ecology of macroalgae in offshore seacages used for abalone farming.** Experience in macroalgal ecology and taxonomy is desirable. Key contacts: Dr Fred Gurgel, University of Adelaide (Ph. 08 - 8222 9291) and Dr Sasi Nayar, SARDI (Ph. 08 - 8207 5321).

**On offer is the opportunity to undertake applied research as part of a well resourced larger team for identified industry clients.** In addition to the provision of **significant project operating funds**, each student will receive a top up on their existing university scholarship (a pre-requisite):

**PhD - an additional scholarship of \$5,000 per annum.**

**Honours – an additional scholarship of \$1,000.**

Please submit an application electronically of no more than three typed A4 pages **by 23<sup>rd</sup> September 2011** to the relevant university contact for the primary field of research; Dr Fred Gurgel ([fred.gurgel@adelaide.edu.au](mailto:fred.gurgel@adelaide.edu.au)) and Assoc. Prof. Jian Qin ([jian.qin@flinders.edu.au](mailto:jian.qin@flinders.edu.au)). The application should clearly outline which research field the student is interested in, whether a PhD or Honours is being undertaken, and the student’s capability and enthusiasm to undertake the project. A Curriculum Vitae must be attached.

