

Dr Graham Mair



Research Interests

Aquaculture

- applied aquaculture genetics and breeding
- inland aquaculture
- the role of aquaculture in international development

Qualifications

PhD

**Senior Lecturer in Aquaculture
School of Biological Sciences
Faculty of Science and Engineering**

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Current Research Projects

Graham Mair has had eighteen years of international post-doctoral experience in applied research in aquaculture in Bangladesh & Vietnam, Thailand, Bangladesh, Phillipines, Thailand, South Africa, India, and the UK. The main focal areas of Graham's research is in applied aquaculture genetics and breeding, inland aquaculture and the role of aquaculture in international development.

Techniques used in Graham's research include induced breeding, growth performance evaluations, chromosome set manipulations, sex control methodologies, cryopreservation, fish hatchery management, and survey based field work in relation to livelihoods of the primarily rural poor (in developing countries) and related disciplines.

**Areas of interest for developing new research projects:
Domestication and genetic management of cultured species**

Aquaculture in Development

Aquaculture can play a major role in the livelihoods of rural and urban poor in developing countries. Often supply of quality seed is a critical limitation to aquaculture development and research at different various levels can support provision of quality seed through appropriate application of genetic management and improvement, sustainable and sensible dissemination of research outputs and support to the development of long term policy.

Inland aquaculture

Inland aquaculture in Australia is still in its infancy and considerable opportunity exists for further development in both saline and freshwater and in a range of different production systems. There are numerous researchable constraints to maximising yield in inland aquaculture systems.

Indigenous aquaculture

There are a number of initiatives to develop aquaculture for indigenous communities which present a number of researchable issues from technology based problems and interventions through to social, economic and livelihood issues.

Committees and Affiliations

Program Leader for Proposed Seafood CRC
President Asia Pacific Chapter, World Aquaculture Society

- Conducting multidisciplinary collaborative research on Australia's biodiversity & landscapes
- Providing innovative interpretation of biodiversity research for a wide variety of end-users

