

## PERSONAL DETAILS

Name Simon Costanzo  
Email scostanzo@umces.edu

## EDUCATION

### 1997-2001

#### *PhD*

University of Queensland, Brisbane, Australia

Area of Specialization - Biological Oceanography

Title: *Development of Indicators for Assessing and Monitoring Nutrient Influences in Coastal Waters*

This research involved designing techniques and procedures for assessing nutrient and sediment inputs in coastal systems. Three case studies were used to test applicability of these techniques in relation to urban, agriculture and aquaculture inputs. Techniques that proved successful have been incorporated into state agency monitoring programs.

### 1995-1996

#### *Bachelor of Science (Honours - Class I)*

University of Queensland, Brisbane, Australia

Title: *Marine macroalgae (Rhodophyta) as a biological indicator of pulsed nutrients in oligotrophic environments*

This study investigated the effects of anthropogenic nutrient discharges into sensitive marine environments of central Queensland and the Great Barrier Reef. Results showed these environments to be nitrogen limited and that marine plants were applicable for detection of pulsed nutrients in low nutrient marine waters.

### 1992-1994

#### *Bachelor of Science*

University of Queensland, Brisbane, Australia

Major: Botany / Zoology / Ecology

## PROFESSIONAL EXPERIENCE

### Sep 2011- present

#### *Science Integrator*

Integration and Application Network, University of Maryland Center for Environmental Science - Cambridge, Maryland

### Nov 2008- Aug 2011

#### *Team Leader Marine and Freshwater Sciences*

Sinclair Knight Merz - Brisbane, Australia

Key Duties:

- Supervise 10 scientists
- Identify and competitively bid for work
- Manage budgets and resources
- Provide strategic direction

**May 2006- Nov 2008**

*Senior Principal Scientist Freshwater and Marine Sciences*  
Queensland Environmental Protection Agency - Brisbane, Australia

Key Duties:

- Estuarine and marine co-ordinator for Ecosystem Health Monitoring Program
- Collect, interpret and report on monthly collected data from ~ 300 sites
- Act as Departments ecotoxicologist on legal investigations

**2003- 2006**

*Research Fellow Environmental Toxicology*  
National Research Centre for Environmental Toxicology Brisbane, Australia

Key Duties:

- Fund and conduct multidisciplinary research programs (botany, zoology, ecology, microbiology, chemistry)
- Supervise PhD and Honours students
- Attract and conduct consultancies

**2002- 2003**

*Senior Research Officer Marine Science*  
University of the Sunshine Coast Sunshine Coast, Australia

Key Duties:

- Propose, manage and co-ordinate consultancies
- Scientific investigations in various research projects
- Member of Ecosystem Health Monitoring Program Technical Committee
- Lecture 2nd and 3rd year marine science subjects
- Supervise Honours student

**2001- 2002**

*Postdoctoral Fellowship*  
School of Aquatic and Fishery Sciences, University of Washington - Seattle, Washington, USA

Key Duties:

- Framework development for estuarine indicators
- Social and environmental data analysis and interpretation

## **1997- 1999**

### *Research Assistant*

Marine Botany, University of Queensland - Brisbane, Australia

#### Key Duties:

- Proposal/report writing
- Co-ordinate consultancies and field work

## **ACCREDITATIONS**

- P.A.D.I. Rescue Diver
- Queensland Speed Boat Licence
- Class 'A' Australian Driving Licence
- Senior First Aid
- ARCVIEW GIS Introductory Course
- Queensland Fire & Rescue Service TEM021 Emergency Response Training