

CURRICULUM VITAE

Margaret Ellen Platell

Home Address 111 Del Mar Drive, Copacabana NSW 2251
Birth Date 10 October 1964
Marital Status Married, two children
Citizenship Australian

Qualifications 1986 BSc (Zoology), University of Western Australia, Western Australia
1990 Honours (Biological Sciences), Murdoch University, Western Australia
1998 PhD (Biological Sciences), Murdoch University, Western Australia

Employment History

Visiting Fellow Murdoch University, Western Australia. 1/05 to present.
Research Fellow Murdoch University, Western Australia. 8/98 to 6/99, 1/00 to 12/04.
Associate Lecturer Murdoch University, Western Australia. 7/99 to 12/00.
Professional Officer Murdoch University, Western Australia. 6/96 to 7/98.
Research Assistant Murdoch University, CSIRO Marine Laboratories, Department of Fisheries and Department of Conservation and Land Management.. 2/86 to 5/90.

Research Experience

- Development of innovative techniques for the analysis of dietary compositions
- Ways in which different fish species partition their environment, particularly in relation to their life stage, habitats occupied and their dietary compositions.
- Structure of fish and benthic macroinvertebrate communities in marine and estuarine waters.
- Aspects of the reproductive biology of elasmobranch species.
- Database development.
- Broad ranging invertebrate identification skills.
- Field sampling experience, including boat handling and SCUBA diving.

Teaching Experience

- Supervision by myself, or in conjunction with I.C. Potter or N.G. Hall (Murdoch University), of Honours students since 1998.
- Assisting in supervision of postgraduates at Murdoch University since 1999.
- Development of a teaching unit BIO205/205 "Fish and Fisheries Biology" in 2000.
- Providing lectures for BIO205/505 from 2000 to 2004.
- Development of the Fish Dissection Workshop for BIO205/505 in 2001.
- Assistance with N384 "Marine and Estuarine Biology" Fish Project between 1991 and 2000.
- Laboratory coordinator for N281 "Animal Diversity" in 1998.

Other Experience

- Managerial experience of scientific and other aspects of related research projects at Murdoch University.
- Milestone and final report production and writing of scientific articles.
- Conference and seminar presentations.
- Construction and maintenance of the Centre for Fish and Fisheries Research web site.
- Organisation of PRIMER workshop in 2002 and occasional seminar series.
- Assistance in preparation of the annual report for the Centre for Fish and Fisheries Research.
- Writing research grant applications.
- Refereeing papers for international journals

Experience in Supervision of Research Candidates

Honours Theses Examined

2004 Ben Chuwen and Elaine Lek

2003 Serene Ang, Andrew Rowland, Justin King and Mark Maddern

2002 Carly Bruce, Natasha Coen and Mat Hourston

2001 Mark Allen and Michelle Wildsmith (nee Costello)

2000 Steeg Hoeksema, Linda Schafer, Jason Mant and Sandra Seidel

1999 Michael Travers and Dean Thorburn

1998 Matthew Herne and William White

Completed Students

2004 Elaine Lek

Diets of four carnivorous fish species on the west coast of Australia (Hons, Class I, Murdoch University). Co-supervised with S.A. Hesp.

2003 Serene Ang

Comparisons of the diets of four species of sparid on the central and lower west coast of Australia (Hons, Class IIA, Murdoch University). Co-supervised with S.A. Hesp.

2002 Natasha Coen

Densities and compositions of hyperbenthic invertebrate faunas in different habitats of nearshore marine waters of south-western Australia (Hons, Class I, Murdoch University). Co-supervised with F.J. Valesini.

2002 Mat Hourston

Implications of opportunism and resource partitioning for the diets of selected nearshore marine fish species in south-western Australia (Hons, Class IIA, Murdoch University). Co-supervised with F.J. Valesini.

2001 Michelle Costello

Compositions and densities of benthic macroinvertebrate species in two different habitats in coastal marine waters of south-western Australia (Hons, Class I, Murdoch University). Co-supervised with F.J. Valesini.

2000 Linda Schafer

Relationships between diets and habitats of fish species in nearshore marine habitats” (Hons, Class I, Murdoch University). Co-supervised with I.C. Potter.

1999 Thea Linke

Resource partitioning by benthic carnivorous teleosts in a large marine embayment on the central west coast of Australia (Diploma Arbeit, University of Hamburg). Co-supervised with I.C. Potter.

1998 Angie Kanandjembo

Fish and macrobenthic faunas of the upper Swan Estuary: Interrelationships and possible influence of a dinoflagellate bloom (MPhil thesis, Murdoch University). Co-supervised with I.C. Potter.

1998 William White

The age compositions, growth rates and reproductive biology of four species of elasmobranchs (Batoidea: Urolophidae) in coastal waters of south-western Australia (Hons, Class I, Murdoch University). Co-supervised with I.C. Potter.

Reviewed Manuscripts for:

Marine Biology
Estuarine, Coastal and Shelf Science
ICES Journal of Marine Science
Journal of Fish Biology
Journal of the Marine Biological Association of the UK
Fishery Bulletin, U.S.
Estuaries
Marine and Freshwater Research

Grants Awarded

Fisheries Research and Development Corporation (July 2002 – June 2004)
“Synthesis and gap assessment of fish dietary data required for modelling ecosystems in south-western Australia”. I was principal investigator, with N.J. Hall the sole co-investigator. 92K

Murdoch Special Research Grant (2000) “Life cycles of benthic macroinvertebrates in the sandy substrata of nearshore, marine waters near Perth”. 5K

Memberships of Professional Societies

Australian Society for Fish Biology
Australian Marine Science Association
American Society of Ichthyologists and Herpetologists

Full List of Publications

Refereed Journals

- Wildsmith, M.D., Potter, I.C., Valesini, F.J. and **Platell, M.E.** (2005). Do the assemblages of benthic macroinvertebrates in nearshore waters of Western Australia vary among habitat types, zones and seasons? *Journal of the Marine Biological Association of the United Kingdom* in press.
- Hourston, M., **Platell, M.E.**, Potter, I.C. and Valesini, F.J. (2004). Factors influencing the diets of four morphologically divergent fish species in nearshore marine waters. *Journal of the Marine Biological Association of the United Kingdom* **84**, 805-817.
- White, W.T., **Platell, M.E.** and Potter, I.C. (2004). Comparisons between the diets of four abundant species of elasmobranchs in a subtropical embayment: implications for resource partitioning. *Marine Biology* **144**, 439-448.
- Schafer, L.N., **Platell, M.E.**, Valesini, F.J and Potter, I.C. (2002). Comparisons between the influence of habitat type, season and body size on the dietary compositions of fish species in nearshore marine waters. *Journal of Experimental Marine Biology and Ecology* **278**, 67-92.
- Linke, T.E., **Platell, M.E.** and Potter, I.C. (2001) Factors influencing the partitioning of food resources among six fish species in a large embayment with juxtaposing bare sand and seagrass habitats. *Journal of Experimental Marine Biology and Ecology* **266**, 193-217.
- Platell, M.E.** and Potter, I.C. (2001) Partitioning of food resources amongst 18 abundant benthic carnivorous fish species in marine waters on the lower west coast of Australia. *Journal of Experimental Marine Biology and Ecology* **261**, 31-54.
- White, W.T., **Platell, M.E.** and Potter, I.C. (2000). Relationship between reproductive biology and age composition and growth in *Urolophus lobatus* (Batoidea: Urolophidae). *Marine Biology* **131**, 135-147.
- Kanandjembo, A.N., **Platell, M.E.** and Potter, I.C. (2001). The benthic macroinvertebrate community of the upper reaches of an Australian estuary that undergoes marked seasonal changes in hydrology. *Hydrological Processes* **15**, 2481-2501
- Kanandjembo, A.N., Potter, I.C. and **Platell, M.E.** (2001). Abrupt shifts in the fish community of an upper estuary in which the hydrology undergoes sudden, marked seasonal changes. *Hydrological Processes* **15**, 2503-2517
- Potter, I.C., Chalmer, P.N., Tiivel, D.J., Steckis, R.A., **Platell, M.E.** and Lenanton, R.C.J. (2001). The fish fauna and finfish fishery of the Leschenault Estuary in south-western Australia. *Journal of the Royal Society of Western Australia* **83**, 259-280
- de Lestang, S., **Platell, M.** and Potter, I. (2000) Dietary composition of the blue swimmer crab *Portunus pelagicus* L. Does it vary with body size and shell state and between estuaries? *Journal of Experimental Marine Biology and Ecology* **246**, 241-257.
- Sarre, G.A., **Platell, M.E.** and Potter, I.C. (2000) Do the dietary compositions of *Acanthopagrus butcheri* in four estuaries and a coastal lake vary with body size and season and within and amongst these water bodies? *Journal of Fish Biology* **56**, 103-122.

- Platell, M.E.** and Potter, I.C. (1999). Partitioning of habitat and prey by abundant and similar-sized species of the Triglidae and Pempherididae (Teleostei) in coastal waters. *Estuarine Coastal Shelf Science* **48**, 235-253.
- Hyndes, G.A., **Platell, M.E.**, Potter, I.C. and Lenanton, R.C.J. (1999). Does the composition of the demersal fish assemblages in temperate coastal waters change with depth and undergo seasonal changes? *Marine Biology* **134**, 335-352.
- Platell, M.E.**, Potter, I.C. and Clarke, K.R. (1998). Resource partitioning by four species of elasmobranchs (Batoidea: Urolophidae) in coastal waters of temperate Australia. *Marine Biology* **131**, 719-734.
- Platell, M.E.**, Potter, I.C. and Clarke, K.R. (1998). Do the habitats, mouth morphology and diets of the mullids *Upeneichthys stotti* and *U. lineatus* in coastal waters of south-western Australia differ? *Journal of Fish Biology* **52**, 398-418.
- Platell, M.E.** and Potter, I.C. (1998). Distributions, size compositions and diets of two abundant benthic ambush-feeding teleosts in coastal waters of south-western Australia. *Journal of the Marine Biological Association of the United Kingdom* **78**, 587-608.
- Hyndes, G.A., **Platell, M.E.**, Potter, I.C. and Lenanton, R.C.J. (1998). Age composition, growth, reproductive biology, and recruitment of King George whiting, *Sillaginodes punctata*, in coastal waters of southwestern Australia. *Fishery Bulletin, U.S.* **96**, 258-270.
- Hyndes, G.A., **Platell, M.E.** and Potter, I.C. (1997). Relationships between diet and body size, mouth morphology, habitat and movements of six sillaginid species in coastal waters: implications for resource partitioning. *Marine Biology* **128**, 585-598.
- Valesini, F.J., Potter, I.C., **Platell, M.E.** and Hyndes, G.A. (1997). Ichthyofaunas of a temperate estuary and adjacent marine embayment. Implications regarding choice of nursery area and influence of environmental changes. *Marine Biology* **128**, 317-328.
- Platell, M.E.**, Sarre, G.A. and Potter, I.C. (1997) The diets of two co-occurring marine teleosts, *Parequula melbournensis* and *Pseudocaranx wrighti*, and their relationships to body size and mouth morphology, and the season and location of capture. *Environmental Biology of Fishes* **49**, 361-376.
- Platell, M.E.** and Potter, I.C. (1996). Influence of water depth, season, habitat and estuary location on the macrobenthic fauna of a seasonally closed estuary. *Journal of the Marine Biological Association of the United Kingdom* **76**, 1-21.
- Lenanton, R.C.J., Heald, D.I., **Platell, M.**, Cliff, M. and Shaw, J. (1990). Aspects of the reproductive biology of the gummy shark, *Mustelus antarcticus* Günther, from the waters off the south coast of Western Australia. *Australian Journal of Marine and Freshwater Research* **41**, 807-822.

Final Reports

- Platell, M.E.** and Hall, N.J. 2005. *Synthesis and gap assessment of fish dietary data required for modelling ecosystems in Western Australia* FRDC Draft Final Report (2002/016).
- Valesini, F.J., Potter, I.C., Wildsmith, M.D., Hourston, M., **Platell, M.E.**, Coen, N.J., Schafer, L.N., Seidel, S.T. and Whitehead, A.L. 2004. *The importance to fish species of the various habitats in nearshore marine waters of south-western Australia*. FRDC Final Report (2000/159).
- Valesini, F.J., Potter, I.C., Hyndes, G.A. and **Platell, M.E.** (1998). *Influence of the bubble curtain trial on the fish fauna of the upper Swan Estuary, with particular reference to Perth*

herring (*Nematalosa vlaminghi*), *black bream* (*Acanthopagrus butcheri*) and *yellowtail trumpeter* (*Amniataba caudavittata*). Report to the Water and Rivers Commission.

Valesini, F.J., Potter, I.C., Hyndes, G.A. and **Platell, M.E.** (1998). *The fish faunas in the vicinity of the proposed Port Kennedy Marina development, with particular reference to the sandy sprat* (*Hyperlophus vittatus*) and *blue sprat* (*Spratelloides robustus*). Report to Bowman, Bishaw & Gorham.

Potter, I.C., Hyndes, G.A., **Platell, M.E.**, Sarre, G.A., Valesini, F.J., Young, G.C. and Tiivel, D.J. (1996). *Biological data for the management of competing commercial and recreational fisheries for King George whiting and black bream*. Final Report to the Fisheries Research and Development Corporation, FRDC Project 93/082.

Conference, Symposium and Workshop Contributions

Platell, M.E., Potter, I.C. and Hall, N.J. (2004) *Dietary studies made easy*. 30th Annual Conference of the Australian Society for Fish Biology. Glenelg, S.A.

Platell, M.E., Potter, I.C., Chalmer, P.N., Tiivel, D.J., Steckis, R.A and Lenanton, R.C.J. (2001). *The fish fauna and finfish fishery of a temperate estuary (Leschenault Estuary) and nearby embayment (Koombana Bay), south-western Australia*. Leschenault Inlet Symposium, Royal Society of Western Australia, Bunbury, W.A.

Platell, M.E., Potter, I.C., Chalmer, P.N. and Tiivel, D.J. (2001). *Fish faunas of a temperate estuary (Leschenault Estuary) and nearby embayment (Koombana Bay), south-western Australia*. 27th Annual Conference of the Australian Society for Fish Biology. Bunbury, W.A.

Platell, M.E., Young, G.C. and Potter, I.C. (2001). *The fish fauna of Wellstead Estuary, south coast of Western Australia*. Waters and Rivers Commission Workshop on South Coast Estuaries, Bremer Bay, W.A.

Platell, M.E., de Lestang, S., Potter, I.C. (1999). *Is the diet of blue swimmer crabs related to body size, shell state and estuary of capture?* Second Blue Swimmer Crab Workshop. W.A. Marine Research Laboratories, Perth, W.A.

Kanandjembo, A.N., **Platell, M.E.** and Potter, I.C. (1998). *Do hydrological variables influence the composition of the benthic macroinvertebrate and fish communities of the upper Swan Estuary?* Conference on "The Swan Canning Estuary: Science, Modelling and Management." York, WA.

Platell, M.E., Sarre, G.A. and Potter, I.C. (1997). *Diets of two benthic and co-occurring teleosts, *Parequula melbournensis* and *Pseudocaranx wrighti*, and their relationships to body size and mouth morphology*. International Conference on the Ecology of Estuaries and Soft Sediment Habitats. Warrnambool, VIC.

Platell, M.E. and Potter, I.C. (1994). *Dietary compositions and overlaps of benthic teleosts and their relationship to macrobenthic invertebrates in the seasonally closed Wilson Inlet*. 21st Annual Conference of the Australian Society for Fish Biology. Canberra, ACT.

Platell, M.E. and Potter, I.C. (1993). *The diets of co-occurring goatfish, *Upeneichthys lineatus* and *U. stotti*, in the waters of south-western Australia*. 20th Annual Conference of the Australian Society for Fish Biology. Perth, WA.