

## CURRICULUM VITAE: Paula Pattrick

Employer: South African Institute for Aquatic Biodiversity (SAIAB)  
Position: NRF PDP Post Doctoral Fellow  
Specialization: Larval Ecology  
Email details: [p.patrick@saiab.ac.za](mailto:p.patrick@saiab.ac.za)

### Education Qualification

BSc Ichthyology, Zoology	Rhodes University, Grahamstown	2005
BSc (Hons) Zoology	Rhodes University, Grahamstown	2006
MSc ( <i>cum laude</i> ) Ichthyology	Rhodes University, Grahamstown	2008
PhD Zoology	NMMU, Port Elizabeth	2014

### Professional Associations

Member of the Early Life History Section (ELHS) of the American Fisheries Society (AFS)

### Employment Record

Research Assistant – Oceanographic Research Institute (February 2008 – April 2010)

### Service Record

Student Representative for the South African Network for Coastal and Oceanic Research (SANCOR) – 2011 to 2013  
Internal Communications Director for the South African Environmental Observation Network (SAEON) Graduate Student Network (GSN) – 2011 to 2012

### Scientific Papers

- Kaiser, H., Brill, G., Cahill, J., Collett, P., Czypionka, K., Green, A., Orr, K., **Pattrick, P.**, Scheepers, R. and Stonier, T. 2006. Testing clove oil as an anaesthetic for long-distance transport of live fish: the case of the Lake Victoria cichlid *Haplochromis obliquidens*. *Journal of Applied Ichthyology* **22**: 510 – 514
- Pattrick, P.**, Strydom, N.A. and Wooldridge, T.H. 2007. Composition, abundance, distribution and seasonality of larval fishes in the Mngazi Estuary, South Africa. *African Journal of Aquatic Science* **32** (2): 113 – 123
- Pattrick, P.** and Strydom, N.A. 2008. Composition, abundance, distribution and seasonality of larval fishes in the nearshore zone of the proposed Greater Addo Marine Reserve, Algoa Bay, South Africa. *Estuarine Coastal and Shelf Science* **79** (2): 251 – 262
- Pattrick, P.** and Strydom, N.A. 2009. Swimming abilities of late stage larvae of *Diplodus capensis* and *Sarpa salpa* (Pisces: Sparidae) from the temperate coastal waters of South Africa. *Estuarine Coastal and Shelf Science* **85**: 547 – 554
- Pattrick, P.**, Strydom, N.A. and Goschen, W.S. 2013. Shallow-water, nearshore current dynamics in Algoa Bay, South Africa, with notes on the implications for larval fish dispersal. *African Journal of Marine Science* **35**: 269 – 282

- Patrick, P.** and Strydom, N.A. 2014. The effects of exposure in sandy beach surf zones on larval fishes within Algoa Bay, South Africa. *Journal of Fish Biology* **84**: 1354 – 1376
- Patrick, P.** and Strydom, N.A. 2014. Larval fish variability in response to oceanographic features in a nearshore nursery area. *Journal of Fish Biology* **85**: 857 – 881
- Patrick, P.** and Strydom, N.A. 2014. Recruitment of fish larvae and juveniles into two estuarine nursery areas with evidence of ebb tide use. *Estuarine Coastal and Shelf Science* **149**: 120 – 132

### **Popular Articles**

- Strydom, N.A. and **Patrick, P.** 2006. Research Highlight: Algoa Bay Study. *SANCOR Newsletter* 182
- Patrick, P.** April 2011. A new look for the SAEON Graduate Student Network Committee. *SAEON eNewsletter*
- Patrick, P.** June 2011. SAEON Graduate Student Network pulls out all stops for Indibano 2011. *SAEON eNewsletter*
- Patrick, P.** October 2011. STOP PRESS! GSN Indibano 2011 is here! *SAEON eNewsletter*
- Patrick, P.** December 2011. Indibano 2011 focuses on long-term multi-disciplinary research. *SAEON eNewsletter*
- Patrick, P.** April 2012. Meet the New Members of SAEON's Graduate Student Committee. *SAEON eNewsletter*

### **Symposium, Workshop and Public Presentations**

- Patrick, P.** and Strydom, N.A. July 2008. Larval fish dynamics in a shallow nearshore habitat and the implications of currents and swimming abilities on dispersal. *South African Marine Science Symposium, Cape Town*
- Strydom, N.A. and **P. Patrick.** April 2011. Ichthyoplankton in temperate South African estuarine nurseries: an assessment of local, regional and geographic community trends. *South African Marine Science Symposium, Grahamstown*
- Patrick, P.** and Strydom, N.A. July 2011. Larval fish dynamics within the proposed Addo Elephant National Park Marine Protected Area, Algoa Bay. *SANPark's Mini-Symposium on Marine Research – in Algoa Bay, Addo*
- Patrick, P.** and Strydom, N.A. November 2011. Nearshore coastal habitats in Algoa Bay, South Africa: Implications for larval fish nursery areas. *South African Environmental Observation Network (SAEON) Graduate Student Network (GSN) Indibano, Grahamstown*
- Patrick, P.** and Strydom, N.A. June 2012. Larval and juvenile fish dynamics in surf zone habitats Algoa Bay, South Africa. *Vith International Sandy Beach Symposium, Mpekweni*
- Patrick, P.** and Strydom, N.A. July 2012. Shallow coastal habitats in South Africa: Implications for larval fish development. *36<sup>th</sup> Annual Larval Fish Conference, Os, Norway*

**Patrick, P.** and Strydom, N.A. August 2012. Monitoring of larval fish dynamics in the shallow nearshore of Algoa Bay, South Africa. *South African Environmental Observation Network (SAEON) Graduate Student Network (GSN) Indibano, Cape Town*

**Patrick, P.** and Strydom, N.A. March 2013. Larval fish dynamics in various coastal habitats, Algoa Bay, South Africa. *South African Network for Coastal and Oceanic Research (SANCOR) Eastern Cape Student Workshop, Grahamstown*

Deary, A.L. **Patrick, P.** and Strydom, N.A. June 2013. Comparison of the development and ossification of the cranium in two species of South African drum (Sciaenidae), *Argyrosomus japonicus* and *A. thorpei*. *37<sup>th</sup> Annual Larval Fish Conference, Miami, Florida*

**Patrick, P.** and Strydom, N.A. June 2013. Occurrence of larval and settlement stage fishes on varying reef types in Algoa Bay, South Africa, with notes on the effectiveness of light traps as a sampling tool. *37<sup>th</sup> Annual Larval Fish Conference, Miami, Florida*

### **Poster Presentations**

**Patrick, P.** and Strydom, N.A. July 2007. Composition, abundance, distribution and seasonality of larval fishes in the shallow nearshore of the proposed Greater Addo Marine Reserve, Algoa Bay, South Africa. *Society for Conservation Biology Conference, Port Elizabeth*

**Patrick, P.** and Strydom, N.A. April 2011. Larval fish associated with varying reef habitat types and the shallow nearshore of the proposed Addo Elephant National Park Marine Protected Area, Algoa Bay. *South African Marine Science Symposium, Grahamstown*

**Patrick, P.** and Strydom, N.A. June 2013. Ecology of early life history stages of fishes in various habitats in Algoa Bay, South Africa, *37<sup>th</sup> Annual Larval Fish Conference, Miami, Florida*

### **Peer Review**

I have reviewed manuscripts submitted to the following journals: *Aquatic Ecology, Environmental Biology of Fishes, International Journal of Biodiversity and Conservation, Journal of Fish Biology, Marine Ecology*

### **Teaching experience**

Replacement Lecturer, ZOO301, Zoology Department, Nelson Mandela Metropolitan University, Port Elizabeth, 2013

Guest Lecturer, ZOO202, Zoology Department, University of Fort Hare, Alice, 2014