



Research interests and projects

My research interests focus on estuarine ecology in general, with particular interest in various aspects of zooplankton ecology of estuaries, coastal lakes and nearshore marine environments. Projects include zooplankton community structure of selected KZN estuarine and coastal lake systems.

Recent publications:

1. Jerling H.L., Vivier, L., Cyrus D.P. 2010. The Mesozooplankton Community of the St Lucia Estuary, South Africa; response to a mouth-opening event during an extended drought. **Estuarine Coastal and Shelf Science** **86: 543-552.**
2. Jerling H.L., Vivier, L., Cyrus D.P, Owen R.K. 2010. Initial characterisation of the mesozooplankton community of the uMfolozi - uMsunduzi estuarine system during a low flow period. **African Journal of Aquatic Sciences** **35: 117-122.**
3. Cyrus D, Jerling H.L., Mackay F and Vivier L. 2011 Lake St Lucia, Africa's largest estuarine lake in crisis: combined effects of mouth closure, low levels and hypersalinity. **South African Journal of Science** **107: 1-13.**
4. Luthada R.W., Jerling H.L. 2013. Effect of feeding frequency and feeding rate on growth of *Oreochromis mossambicus* (Teleostei: Cichlidae) fry. **African Journal of Aquatic Sciences** **38: 273-278.**
5. NK Carrasco, R Perissinotto and HL Jerling. 2013. Chapter 13 Zooplankton. In: Ecology and Conservation of Estuarine Ecosystems, Lake St Lucia as a global model, (eds) R. Perissinotto, D.D. Stretch and R.H. Taylor. Cambridge University Press, London.
6. Jerling H.L., Cyrus D.P. 2016. Mesozooplankton community structure changes in the Mfolozi–Msunduzi estuarine system, South Africa, during contrasting river flow conditions, **African Journal of Aquatic Science**, 41:3, 309-317.
7. Jerling H.L., Weerts S.P. 2018. Mesozooplankton of the Kosi Bay lakes, South Africa. **African Journal of Aquatic Science**, DOI: 10.2989/16085914.2018.1437386