

## Seaweed Unit Publications on diversity (chronological order)

### Primary research publications

- Anderson, R.J (1982). The life history of *Desmarestia firma* (C. Ag.) Skotts. (Phaeophyta, Desmarestiales). *Phycologia* 21: 316-322.
- Anderson, R.J. & B. Velimirov (1982). An experimental investigation of the palatability of kelp bed algae to the sea urchin *Parechinus angulosus* Leske. *P.S.Z.N.I. Mar. Ecol.* 3: 357-373.
- Anderson, R.J. (1985). Morphological and taxonomic relationships among branched, ligulate members of the genus *Desmarestia* (Phaeophyta, Desmarestiales) with particular reference to South African *D. firma* (C. Ag.) Skotts. *Can J. Bot.* 63: 437-447.
- Anderson, R.J. & H. Stegenga (1986). A crustose tetrasporophyte in the life history of *Nothogenia erinacea* (Turner) Parkinson (Galaxauraceae, Nemaliales). *Phycologia* 24:111-118.
- Anderson, R.J., Simons, R.H. & J.J. Bolton (1988). *Zeacarpa leiomorpha* (Ralfsiaceae), a new genus and species of crustose marine Phaeophyceae from southern Africa. *Phycologia* 27: 319-326.
- Anderson, R.J. & J. J. Bolton (1989). Growth and fertility, in relation to temperature and photoperiod, in South African *Desmarestia firma* (Phaeophyceae). *Bot. mar.* 32: 149-158.
- Anderson, R.J. & H. Stegenga (1989). Subtidal algal communities at Bird Island, Eastern Cape, South Africa. *Bot. mar.* 32: 299-311.
- Anderson, R. J. and J. J. Bolton (1990). Reproductive morphology and life histories of southern African *Gymnogongrus* species (Rhodophyta, Phylloporaceae). *Br. Phyc. J.* 25: 381-390.
- Bolton, J. J. and R. J. Anderson (1990). Correlations between intertidal seaweed community composition and seawater temperature patterns on a geographical scale. *Bot. mar.* 33: 447-457.
- Bolton, J. J., Stegenga, H. and R. J. Anderson. (1991). Seaweeds of False Bay. *Trans. Roy. Soc. S. Afr.* 47: 605-610.
- Griffin, N. J., Bolton, J. J. and R. J. Anderson 1999. *Porphyra aeodis* sp. nov. (Bangiales, Rhodophyta), an epiphyte of *Aeodes orbitosa* from South Africa. *Eur. J. Phycol.* 34: 505-512.
- Leliaert, F., Anderson, R.J., Bolton, J.J. and E. Coppejans 2000. Subtidal algal community structure in kelp beds around the Cape Peninsula, (Western Cape, South Africa). *Bot. mar.* 43: 359-366.
- Stegenga, H., Anderson, R.J. and J.J. Bolton. 2000. Notes on Ceramiaceae (Rhodophyta) from the Eastern Cape Province, South Africa. III. New records from the Tsitsikamma Coastal National Park, with the description of *Scageliopsis tsitsikammae* nov.spec. *Blumea* 45: 485-494.
- Stegenga, H, RJ Anderson and Bolton (2001). *Hypoglossum imperfectum* nov.spec. (Rhodophyta, Delesseriaceae), a new species from the South African south coast. *Bot. mar.* 44: 157-162.
- Bolton, JJ, E Coppejans, RJ Anderson, O De Clerck, Y Samyn, F Leliaert and AS Thandar, 2001. Biodiversity of the seaweeds and echinoderms in the western Indian Ocean. *SA J Sci* 97: 453-454 (meeting report).

- Stegenga, H., HR Engledow, JJ Bolton and RJ Anderson. 2001. The distribution of the family Erythropeltidaceae (Rhodophyta) along the temperate Southern African coast, with the description of *Erythrotrichia platyphylla* nov.spec. *Nova Hedwigia* 73: 367-379.
- DeClerck, O., Anderson, RJ, Bolton, JJ, and D. Robertson-Andersson. 2002. *Schimmelmannia elegans* (Gloisiphonaceae, Rhodophyta): South Africa's first introduced seaweed. *Phycologia* 41:184-190.
- Stegenga, H, JJ Bolton and RJ Anderson, 2002. The genus *Ptilothamnion* (Ceramiaceae, Rhodophyta) in South Africa, with the description of *P. goukammae* spec. nov. *Blumea* 47: 581-595.
- Tronchin, EM, DW Freshwater, JJ Bolton and RJ Anderson. 2002. A reassessment and reclassification of species in the genera *Onikusa* Akatsuka and *Subria* J Agardh ex Endlicher (Gelidiales, Rhodophyta) based on molecular and morphological data. *Botanica Marina* 45: 548-558.
- DeClerck, O., HR Engledow, JJ Bolton RJ Anderson and E Coppejans. 2002. Twenty marine benthic algae new to South Africa, with emphasis on the flora of Kwazulu-Natal. *Botanica Marina* 45: 413-431
- Fredericq, S., RJ Anderson and J. Lopez-Bautista. 2003. Systematic circumscription of some Phyllophoraceae from the Cape region, South Africa, based on morphological and molecular evidence. *Proc. 17<sup>th</sup> International Seaweed Symposium*, Oxford University Press, pp. 263-273.
- Morley, TL, JJ Bolton and RJ Anderson 2003. phase dominance and reproductive characteristics in two co-occurring Rhodophyta from the west coast of South Africa. *Proc. 17<sup>th</sup> International Seaweed Symposium*, Oxford University Press, pp. 365-371.
- Bolton, J. J., F. Leliaert, O. DeClerck, R.J. Anderson, H. Stegenga, H.E. Engledow and E. Coppejans, 2004. Where is the western limit of the tropical Indian Ocean seaweed flora? An analysis of intertidal seaweed biogeography on the east coast of South Africa. *Marine Biology* 144: 51-59.
- DeClerck, O., J. J. Bolton, R. J. Anderson and E. Coppejans, 2004. *Aglaothamnion rigidulum* nov, spec. (Rhodophyta, Ceramiaceae) from South Africa. *Botanica Marina* 47: 431-436.
- Stegenga, H., R. J. Anderson and J. J. Bolton, 2004. *Aphanocladia ecorticata* nov. sp. (Rhodophyta, Rhodomelaceae) from the South African south coast. *Botanica Marina* 47: 167-170.
- Anderson, R. J., C. McKune, J. J. Bolton, E. Tronchin and O. DeClerck. 2005. Patterns in subtidal seaweed communities on coral-dominated reefs at Sodwana Bay on the KwaZulu-Natal coast, South Africa. *African Journal of Marine Science* 27:529-537.
- Tronchin, E., T Samaai, RJ Anderson and JJ Bolton. 2006, Sponge-seaweed associations in species of *Ptilophora* (Gelidiaceae, Rhodophyta). *Phycological Research* 54:140-148.
- Tronchin, E., JJ Bolton and RJ Anderson. 2006. Diversity and systematics of *Ptilophora* (Gelidiaceae, Rhodophyta). *Australian Systematic Botany* 19 (4): 359-386
- Anderson, R. J., Anderson D. R. and J. S. Anderson. 2008. Survival of sand-burial by seaweeds with crustose bases or life-history stages structures the biotic community on an intertidal rocky shore. *Botanica Marina* 51: 10-20.

Anderson, R.J., Bolton, J. J. and H. Stegenga. 2009. Using the biogeographic distribution and diversity of seaweed species to test the efficacy of marine protected areas in the warm temperate Agulhas Marine Province, South Africa. *Diversity and Distributions*, 15: 1017-1027.

Bolton, JJ, Andreakis, N. and RJ Anderson. (2011). Molecular evidence for three separate cryptic introductions of the red seaweed *Asparagopsis* (Bonnemaisoniales, Rhodophyta) in South Africa. *African Journal of Marine Science* 33(2): 263-271.

Anderson, RJ, Bolton, JJ, DaSilva Neto, D and AJ Smit. The seaweeds of Angola: the transition between tropical and temperate marine floras on the west coast of southern Africa. *Afr. J. Mar. Sci.* 34(1): 1-13.

Bolton, JJ, Anderson, RJ, Smit, AJ and MD Rothman. South African kelp moving eastwards: the discovery of *Ecklonia maxima* (Osbeck) Papenfuss at De Hoop Nature Reserve. Short communication. *Afr. J. Mar. Sci.* 34(1): 147-151.

### **Books: diversity**

Stegenga, H., Bolton, J.J. and R. J. Anderson. 1997. Seaweeds of the South African West Coast. *Contributions from the Bolus Herbarium* 18: 640 pp.

DeClerck, O., J.J.Bolton, R. J. Anderson and E. Coppejans, 2005. Guide to the Seaweeds of Kwazulu-Natal. National Botanic Garden of Belgium, Brussels (*Scripta Botanica Belgica*), 294 pp.

### **Book chapters: diversity**

Bolton, J.J. and R. J. Anderson. 1997. Marine vegetation. In: R. M. Cowling, Richardson, D.M. and S.M. Pierce, (Eds). *Vegetation Types of Southern Africa*. Cambridge University Press, pp. 348-370.

Anderson, R. and J. J. Bolton, 2005. Introduction. In: DeClerck, O., J. J Bolton, R. J. Anderson and E. Coppejans, 2005. Guide to the Seaweeds of Kwazulu-Natal. National Botanic Garden of Belgium, Brussels, 12-37.

Mucina, L., J.B. Adams, I.C. Knevel, Rutherford, M.C., Powrie, L.W., Bolton, J. J., van der Merwe, J.H.J., R.J.Anderson, T.G.Bornman, A. le Roux and J.A.M. Janssen. 2006. Coastal vegetation of South Africa.. In: Mucina, V. and M.C.Rutherford (eds) *The Vegetation of South Africa, Lesotho and Swaziland*. *Strelitzia* 19: 658-696.

### **Popular-press articles: diversity**

Koop, K. & R. J. Anderson (1982). Exploring the kelp beds of Gough Island. *African Wildlife* 36: 8-13.

Anderson, R. J. (1990). A drop in the ocean. *Underwater* 13: 61-63.

Anderson, R. J. (1992). Armoured Seaweeds: the coralline algae. *Underwater* 20: 30-31.

Anderson, R. J. (1995) Magical undersea world. *You Magazine* No. 414: 92-93.

Anderson, R.J. (2000) Searching for seaweeds. *Wildside* Vol. 1 No. 4, July-Sept 2000, pp. 16-17.