

Seaweed Unit publications on beneficiation (chronological order)

Primary research publications

- Anderson, R.J. & J.J. Bolton (1985). Suitability of the agarophyte *Subria vittata* (L.) J.Ag. (Rhodophyta, Gelidiaceae) for mariculture: Geographical distribution, reproductive phenology and growth of sporelings in culture in relation to light and temperature. *S. Afr. J. mar. Sci.* 3: 169-178.
- Anderson, R. J., Levitt. G.J., Dawes, C. P. and R. H. Simons. (1992). Experimental growth of *Gracilaria* in Saldanha Bay, South Africa. Proceedings of the First International Workshop on Sustainable Seaweed Resource Development in Sub-Saharan Africa. Eds: Mshigeni, Bolton, Critchley and Kiangi. Publ. by K. E. Mshigeni, Windhoek. Pps 19-36.
- Anderson, R.J., Levitt. G.J. and A. Share. 1996. Investigations for the mariculture of *Gracilaria gracilis* at Saldanha Bay, South Africa. *J. Appl. Phycol.* 8: 421-430.
- Jaffray, A.E., Anderson, R.J. and V.E. Coyne. 1997. Investigation of bacterial epiphytes of the red agar-producing seaweed *Gracilaria gracilis* (Stackhouse) Steentoft, Irvine et Farnham from Saldanha Bay, South Africa, and Lüderitz, Namibia. *Bot. mar.* 40: 569-576.
- Anderson, R.J., Smit, A.J. and G.J. Levitt. 1999. Upwelling and fish-factory waste as nitrogen sources for suspended cultivation of *Gracilaria gracilis* in Saldanha Bay, South Africa. *Hydrobiologia* 398/399: 455-462.
- Oliveira, EC, Alveal, K and Anderson, R.J. (2000) Mariculture of the agar-producing Gracilarioid red algae. *Reviews in Fisheries Science* 8: 345-377.
- Wakibia, J.G., Anderson, R.J. and D.W. Keats. 2001. Growth rates and agar properties of three Gracilarioids in suspended open-water cultivation in St Helena Bay, South Africa. *J. Applied Phycology*, 13: 195-207.
- Anderson, R.J., C.J.T. Boothroyd, F.A. Kemp and M.D. Rothman 2003. Open-water cultivation of *Gracilaria* in South Africa: Saldanha Bay or St Helena Bay? *Proc. 17th International Seaweed Symposium*, Oxford University Press, pp.35-40.
- Robertson-Andersson, D V, D Leitao, J J Bolton, R J Anderson, A Njobeni and K Ruck. 2006. Can kelp extract (Kelpak) be useful in seaweed mariculture? *J. Appl. Phycol.* 18:315-321.
- Robertson-Andersson DV, Potgieter, M., Hansen, J, Bolton JJ, Troell M, Anderson RJ, Halling C, Probyn T. 2008. Integrated seaweed cultivation on an abalone farm in South Africa. *Journal of Applied Phycology* 20: 579-595.
- Robertson-Andersson, D.V, Wilson, D.T., Bolton, J.J., Anderson, R.J & GW Maneveldt. 2009. A rapid assessment method for determining tissue nitrogen content using thallus colour in the cultivated algae *Gracilaria gracilis* Steentoft Irvine et Farnham and *Ulva lactuca* Linnaeus. *African Journal of Aquatic Science* 34(2): 169-172.
- Shuuluka, D, Bolton, JJ and RJ Anderson 2012. Protein content, amino acid composition and nitrogen-to-protein conversion factors of *Ulva rigida* and *Ulva capensis* from natural populations and

Ulva lactuca from an aquaculture system, in South Africa. Journal of Applied Phycology, published online 22 September 2012.

Shuuluka, D, Bolton JJ and RJ Anderson. 2012. Protein content, amino acid composition and nitrogen-to-protein conversion factors of *Ulva rigida* and *Ulva capensis* from natural populations and *Ulva lactuca* from an aquaculture system, in South Africa. Journal of Applied Phycology. Published online September 2012: 9 pages.

Book chapters: beneficiation

Brown, B., D.W. Keats, R.J. Anderson, M. Karaan and P. Jordaan. 2003. Co-management of South African seaweed resources: a seaweed mariculture project in St Helena Bay. In: Hauck, M and M. Sowman (Eds). *Waves of Change. Coastal and Fisheries Co-Management in South Africa*. University of Cape Town Press, pp. 227-246.