



Coral Section: Publications

BOOKS

Wallace, C. C. (1999) *Staghorn Corals of the World - A revision of the Genus Acropora*. CSIRO Publishing, Melbourne. 421pp.

Wallace, C. C. and Aw, M. (2000). *Acropora Staghorn corals, A getting to know you and identification guide*. OceanNEnvironment. Sydney. 128 pp.

CDS

Wallace, C. C. (1999) *Staghorn Corals of the world: A key to Species of Acropora*. (includes photographs of types). Computer Software, CSIRO Publishing, Melbourne.

RECENT SCIENTIFIC PUBLICATIONS (sorry we cannot provide reprints!)

Wallace, C. C., Chen, C. A., Fukami, H. and **Muir, P. R.** (2007) Recognition of separate genera within *Acropora* based on new morphological, reproductive and genetic evidence from *Acropora togianensis*, and elevation of the subgenus *Isopora* Studer, 1878 to genus (Scleractinia: Astrocoeniidae; Acroporidae). *Coral Reefs* DOI 10.1007/s00338-007-0203-4

Wallace, C. C. (2008) New species and records from the Eocene of England and France for the reef-building coral genus *Acropora* (Scleractinia; Astrocoeniina; Acroporidae). (in press, *J. Paleontology*)

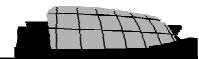
Wei, N. V., **Wallace, C. C.**, Dai, C. F., Pillay, K. R. M. and Chen, C. A. (2006) Analyses of the Ribosomal Internal Transcribed Spacers (ITS) and the 5.8S Gene Indicate that extremely high rDNA heterogeneity is a unique feature in the Scleractinian Coral Genus *Acropora* (Scleractinia; Acroporidae). *Zoological Studies* 45(3): 404-418

Wallace, C. C., **Muir, P. R.** and Venkatesh, M. (2007) Post-bleaching renewal of the dominant reef-building coral *Acropora abrotanoides* in the Lakshadweep islands of India. *Coral Reefs* DOI 10.1007/s00338-006-0174-x

Wallace, C. C. and Zahir, H. (2007) The "Xarifa" expedition and the atolls of the Maldives, 50 years on. *Coral Reefs*. DOI 10.1007/s00338-006-0188-4

Wallace, C. C. and Rosen, B. R. R. (2006) Diverse staghorn corals (*Acropora*) in high-latitude Eocene assemblages: implications for the evolution of modern diversity patterns of reef corals. *Proceedings of the Royal Society B* 273: 975-982.

Wallace, C. C. and **Muir, P. R.** (2005) Biodiversity of the Indian Ocean from the perspective of staghorn corals (*Acropora* spp.). *Indian Journal of Marine Science* (Special Issue on Coastal and Marine Biodiversity of Indian Ocean) 34: 42-49.



Wallace, C. C. (2003) Journey to the heart of the centre – Origins of high marine faunal diversity in the central Indo-Pacific from the perspective of an Acropologist. Proceedings of the 9th International Coral Reef Symposium, Bali 2000 Vol1:33-39.

Wallace, C. C. (2001). Wallace's line and marine organisms: the distribution of staghorn corals (*Acropora*) in Indonesia. In Faunal and Floral Migrations and Evolution in SE Asia-Australasia (ed. I. Metcalf), pp. 168-178. Rotterdam: Balkema.

Wallace, C. C., Richards, Z., Suharsono (2001). Regional distribution patterns of *Acropora* and their use in the conservation of coral reefs in Indonesia. Indonesian Journal of Marine and Coastal Resources 4: 1-19.

Wallace, C. C. and Wolstenholme, J. (1998). Revision of the coral genus *Acropora* (Scleractinia: Astrocoeniina: Acroporidae) in Indonesia. Zoological Journal of the Linnean Society 123, 199-384.

Wallace, C. C. and Dai, C.-F. (1997). Scleractinia of Taiwan IV. Review of the coral genus *Acropora* from Taiwan. Zoological Studies 36, 288-324.

Chen, C.A., Chang, C-C, Wei, N. V. , Chen, C-H, Lein, Y-T, Lin, Ho-E, Dai, C-F and **Wallace, C. C.** (2004) Secondary structure and phylogenetic utility of the ribosomal internal transcribed spacer 2 (ITS2) in Scleractinian corals. Zoological Studies 43: 759-771.

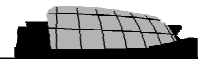
Chen, C. A., **Wallace, C. C.** and Wolstenholme, J. (2002). Analysis of mitochondrial 12S RNA gene supports the two-clade hypothesis of evolutionary history of scleractinian corals. Molecular Phylogenetics and Evolution 23: 137-149.

Chen, C.A., **Wallace, C. C.**, Yu, J. and Wei, N. (2000). Strategies for Amplification by Polymerase Chain Reaction of the Complete Sequence of the Gene Encoding Nuclear Large Subunit Ribosomal RNA in Corals. Marine Biotechnology 2, 558-570.

Connell, J. H., Hughes, T. and **Wallace, C. C.** (1997a). A 30-year study of coral abundance, recruitment, and disturbance at several scales in space and time. Ecological Monographs 67, 461-488.

Richards, Z. and **Wallace, C. C.** (2004) *Acropora rongelapensis* sp. nov., a new species of *Acropora* from the Marshall Islands (Scleractinia: Astrocoeniina: Acroporidae) Zootaxa 590: 1-5.

Tseng, C-C, **Wallace, C. C.** and Chen, C-A. 2005 Mitogenic analysis of *Montipora cactus* and *Anacropora matthai* (Cnidaria, Scleractinia; Acroporidae) indicates an unequal rate of mitochondrial evolution among Acroporidae corals. Coral Reefs 22:502-508



Willis, B. L., Babcock, R. C., Harrison, P. L. and **Wallace, C. C.** (1997). Experimental hybridisation and breeding incompatibilities within the mating systems of mass spawning reef corals. *Coral Reefs Suppl.* 16, S53-S65.

Willis, B. L., Babcock, R. C., Harrison, P. L. and **Wallace, C. C.** (1997). Mating systems, hybridisation and species concepts in mass spawning reef corals. *Coral Reefs*: 16, S53-S65.

Wolstenholme, J. K., **Wallace, C.C.** & Chen, C. Species boundaries within the *Acropora humilis* species group (Cnidaria; Scleractinia): a morphological and molecular interpretation of evolution. *Coral Reefs* 22, 155-166 (2003)

Recent Conference Abstracts

Chen, C-W., Chen, C-H., Dai, C.-F., **Wallace, C. C.**, and Chen, C. 2006. Cross-ocean amplification of ATT microsatellites in *Acropora*: evolutionary conservatism of functional constraint? Abstracts, 1st Asia-Pacific Coral Reef Symposium 2006. The Chinese University of Hong Kong.: O-56

Chen, I-P., Hsu, C-H., Chiou, C-Y., Wei, N. V., **Wallace, C. C.** and Chen, C. A. 2006. Plant-like traits in *Acropora*? Slow mitochondrial but fast-evolving nuclear genomes. Abstracts, 1st Asia-Pacific Coral Reef Symposium 2006. The Chinese University of Hong Kong.: O-57.

Wallace, C. C. 2006 : "Evolution of Indo-Pacific reef coral distributions and their relevance to better conservation". Abstracts, 1st Asia-Pacific Coral Reef Symposium, 2006. The Chinese University of Hong Kong. K- 14.

Wei, N. V., Chen, C-W., **Wallace, C. C.**, Dai, C.-F., and Chen, C. A. Does synchronous spawning promote hybridization in *Acropora*? Timing, reproductive incompatibilities, and cytogenetics. Abstracts, 1st Asia-Pacific Coral Reef Symposium 2006. The Chinese University of Hong Kong.: 0-55