Marine lakes of Indonesia

Becking, L.E.

Adams DC, Rohlf FJ, Slice DE (2004) Geometric morphometrics: ten years of progress following the 'revolution'. *Italian Journal of Zoology* 71: 5-16

Adjeroud M (1997) Factors influencing spatial patterns on coral reefs around Moorea, French Polynesia. *Marine Ecology Progress Series* 159: 105–119

Aerts LAM, van Soest RWM (1997) Quantification of sponge/coral interactions in a physically stressed reef community, NE Colombia. *Marine Ecology Progress Series* 148: 125-134

Aguirre ML, Perez SI, Sirch YN (2006) Morphological variability of *Brachidontes swainson* (Bivalvia, Mytilidae) in the marine Quaternary of Argentina (SW Atlantic). *Palaeogeography, Palaeoclimatology, Palaeoecology* 239:100-125

Alongi DM (2002) Present state and future of the world's mangrove forests. *Environmental Conservation* 29: 331-349

Annandale N (1914) Fauna symbiotica indica. 5. Some sponges commonly associated with oysters and mussels in Madras Harbour and the Chilka Lake. *Records Indian Museum* 10 (7): 149-158

Annandale N (1915) Fauna of Chilka Lake. *Memoirs of the Indian Museum*, Calcutta 5 (1): 1-13

Arp G, Reitner J, Wörheide G, Reitner J, Landmann G (1996) New data on microbial communities and related sponge fauna from the alkaline Satonda Crater Lake (Sumbawa, Indonesia). In: Reitner J, Neuweiler F & Gunkel F(eds): Global and Regional Controls on Biogenetic Sedimentation. I. Reef Evolution. *Research Reports - Göttinger Arb. Geol. Paläont.*, Sonderband, 2: 1-7

Azzini F, Calcinai B, Cerrano C, Bavestrello G, Pansini M (2007) Sponges of the marine karst lakes and of the coast of the islands of Ha Long Bay (North Vietnam). In: Custodia MR, Lobo-Hajdu G, Hajdu E, Muricy G (eds) Porifera Research: Biodiversity, Innovation and Sustainability, Rio de Janeiro, p 157–164.

Barber PH, Palumbi SR, Erdmann MV, Moosa MK (2000) Biogeography - a marine Wallace's Line? *Nature* 406:692-693

Barber P, Palumbi S, Erdmann M, Moosa M (2002a) Sharp genetic breaks among populations of haptosquilla pulchella (stomatopoda) indicate limits to larval transport: Patterns, causes, and consequences. *Molecular Ecology* 11:659 – 674

Barber PH, Palumbi SR, Erdmann MV, Moosa MK (2002b) Sharp genetic breaks among populations of haptosquilla pulchella(stomatopoda) indicate limits to larval transport: Patterns causes and consequences. *Molecular Ecology* 11:659-674

Barber PH, Bellwood DR (2005) Biodiversity hotspots: evolutionary origins of biodiversity in wrasses (*Halichoeres*: Labridae) in the Indo-Pacific and new world tropics. *Molecular Phylogenetics and Evolution*, 35: 235–253

Barber P, Palumbi S, Erdmann M (2006) Comparative phylogeography of three co-distributestomatopods: Origins and timing of regional lineage diversification in the coral triangle. *Evolution* 60:1825 – 1839

Barnes DKA (1999) High diversity of tropical intertidal zone sponges in temperature, salinity and current extremes. *African Journal of Ecology* 37: 424-434

Bauzà-Ribot MM, Jaume D, Fornós JJ, Juan C, Pons J (2011) Islands beneath islands: Phylogeography of a groundwater amphipod crustacean in the Balearic archipelago. *BMC Evolutionary Biology 11*

Becking LE, Cleary DFR, de Voogd NJ, Renema W, de Beer M, van Soest RWM, Hoeksema BW (2006) Beta diversity of tropical marine benthic assemblages in the Spermonde archipelago, Indonesia. *Marine Ecology* 27: 76-88

Becking LE , Voogd NJ (2008) The Sponge Fauna of Indonesian Marine Lakes. In 11th International Coral Reef Symposium – Reefs for the Future, Book of Abstracts, p.556

Becking LE, Lim SC (2009) A new suberites (Demospongiae: Hadromerida: Suberitidae) from the tropical Indo-West Pacific. *Zoological Mededelingen Leiden* 83:853-862

Becking LE, Renema W, Santodomingo NK, Hoeksema BW, Tuti Y, de Voogd NJ (2011) Recently discovered landlocked basins in Indonesia reveal high habitat diversity in anchialine systems. *Hydrobiologia* 677:89-105

Becking LE, Cleary DFR, de Voogd NJ (*accepted*) Sponge species composition, abundance and cover in marine lakes and coastal mangroves of Berau, Indonesia. *Marine Ecology Progress Series*

Begon M, Harper JL, Townsend CR (1996) Ecology: Individuals, populations and communities. 3rd Edition, Blackwell Scientific Publications, Oxford

Bell JJ, Smith DKA (2004) Ecology of sponges in the Wakatobi region, south-eastern Sulawesi, Indonesia: richness and abundance. *Journal of the Marine Biological Association of the United Kingdom* 84: 581-591

Bell JJ (2008) The functional roles of marine sponges. *Estuarine, Coastal and Shelf Science* 79: 341-353

Bellwood DR, Hughes TP, SR Connolly, J Tanner (2005) Environmental and geometric constraints on Indo-Pacific coral reef biodiversity. *Ecology Letters* 8: 643-651

Bellwood DR, Meyer CP (2009) Searching for heat in a marine biodiversity hotspot. *Journal of Biogeography* 36:569-576

Benivic A, Lucic D, Onofri V, Peharda M, Caric M, Jasprica N, Bobanovic-Colic S (2000) Ecological characteristics of the Mljet Island seawater lakes (South Adriatic Sea) with special reference to their resident populations of medusea. *Scientia Marina* 64: 197-206

Bergquist PR (1968) The marine fauna of New Zealand: Porifera, Demospongiae, Part 1. (Tetractinomorpha and Lithistida). *New Zealand Department of*

Scientific and Industrial Research Bulletin [New Zealand Oceanographic Institute Memoir 37] 188: 1-105

Bergquist PR, Karuso P, Cambie RC, Smith DJ (1991) Sterol composition and classification of the porifera .3. *Biochemical Systematics and Ecology* 19:17-24

Bingham BL, Young CM (1995) Stochastic events and dynamics of a mangrove root epifauna community. *Marine Ecology* 16: 145-163

Blanchet FG, Legendre P, Borcard D (2008) Forward selection of explanatory variables. *Ecology* 89: 2623-2632

Blanquer A, Uriz M-J, Agell G (2008) Hidden diversity in sympatric sponges: Adjusting life-history dynamics to share substrate. *Marine Ecology Progress Series* 371:109-115

Bookstein FL (1991). Morphometric tools for landmark data: geometry and biology. Cambridge University Press, New York, p. 435.

Borcard D, Legendre P (2002) All-scale spatial analysis of ecological data by means of principal coordinates of neighbour matrices. *Ecological Modeling* 153: 51–68

Botello A, Alvarez F (2010) Genetic variation in the stygobitic shrimp *Creaseria morleyi* (Decapoda: Palaemonidae), evidence of bottlenecks and re-invasions in the Yucatan peninsula. *Biological Journal of the Linnean Society* 99:315-325

Bowerbank JS (1858) On the anatomy and physiology of the spongiadae. Part I. On the Spicula. *Philosophical Transactions of the Royal Society* 148(2): 279-332

Bowerbank JS (1874) Contributions to a General History of the Spongiadae. Part VI. *Proceedings of the Zoological Society of London* 1874: 298-305, pls XLVI-XLVII

Briggs JC (2005) The marine East Indies: diversity and speciation. *Journal of Biogeography* 32: 1517–1522

Brock RE, Kam AKH (1997) Biological and water quality characteristics of anchialine resources in Kaloko-Honokohau National Historical Park. Honolulu (HI): Cooperative National Park Resources Studies Unit, University of Hawaii at Manoa, Department of Botany. *The Pacific Cooperative Studies Unit Technical Report* 112

Brøndsted HV(1924) Papers from Dr. Th. Mortensen's Pacific Expedition 1914-16. XXIII. Sponges from New Zealand. Part I. *Videnskabelige Meddelelser fra Dansk naturhistorisk Forening i Kjøbenhavn* 77: 435-483

Brown BE, Suharsono (1990) Damage and recovery of coral reefs affected by El Niño-related seawater warming in the Thousand Islands, Indonesia. *Coral Reefs* 8: 163-170

Burton M (1959) Sponges. In: Scientific Reports. John Murray Expedition, 1933-34. *British Museum (Natural History)*, London, 10 (5): 151-281

Carballo JL (2006) Effect of natural sedimentation on the structure of tropical rocky sponge assemblages. *Ecoscience* 13: 119-130

Carpenter KE, Barber PH, Crandall ED, Carmen M et al. (2011) Comparative phylogeography of the Coral Triangle and implications for marine management. *Journal of Marine Biology* 2011:14

Carter HJ (1886). Descriptions of Sponges from the Neighbourhood of Port Phillip Heads, South Australia, continued. *Annals and Magazine of Natural History,* 17(97, 98, 101, 102): 40-53, 112-127, 431-441, 502-516

Cerrano C, Azzini F, Bavestrello G, Calcinal B, Pansini M, Sarti M, Thung D (2006) Marine lakes of karst islands in Ha Long Bay (Vietnam). *Chemistry and Ecology* 22:489-500

Chen X-Y, He F (2009) Speciation and endemism under the model of island biogeography. *Ecology* 90:39-45

Chombard C, Boury-Esnault N, Tillier S (1998) Reassessment of homology of morphological characters in tetractinellid sponges based on molecular data. *Systematic Biology* 47:351-366

Chombard C, Boury-Esnault N (1999) Good congruence between morphology and molecular phylogeny of Hadromerida, or how to bother sponge taxonomists. *Memoirs of the Queensland Museum* 44:100

Clarke, KR (1993) Non-parametric multivariate analysis of changes in community structure. *Australian Journal of Ecology* 18: 117-143

Cleary DFR (2003) An examination of scale of assessment, logging and ENSO-induced fires on butterfly diversity in Borneo. *Oecologia* 135: 313-321

Cleary DFR, Mooers AØ (2004) Butterfly species richness and community composition in forests affected. *Journal of Tropical Ecology* 20: 359–367

Cleary DFR, Becking LE, de Voogd NJ, Renema W, de Beer M, van Soest RWM, Hoeksema BW (2005) Variation in the diversity and composition of benthic taxa as a function of distance offshore, depth and exposure in the Spermonde archipelago, Indonesia. *Estuarine, Coastal and Shelf Science* i 65: 557-570

Cleary DFR, de Voogd NJ (2007) Environmental associations of sponges in the Spermonde archipelago, Indonesia. *Journal of the Marine Biological Association of the United Kingdom* 87: 1669-1676

Cleary DFR, DeVantier L, Giyanto, Vail L, de Voogd NJ, Rachello-Dolmen PG, Tuti Y, Budiyanto A, Wolstenholme J, Hoeksema BW, Suharsono (2008) Relating variation in species composition to environmental variables: a multitaxon study in an Indonesian coral reef complex. *Aquatic Sciences* 70: 419-431

Coelho EP, Mello-Leitão A (1978) *Placospongia carinata* e sua ocorrência em costas brasileiras. *Avulso Departamento de Zoologia, Universidade Universidade Federal do Rio de Janeiro,* Rio de Janeiro 29: 1–5.

Colin PL (2009) Marine Environments of Palau. Indo-Pacific Press, San Diego, 414 p.

Connolly SR, Bellwood DR, Hughes TP (2003) Indo-Pacific biodiversity of coral reefs: Deviations from a mid-domain model. *Ecology* 84: 2178-2190

Cowman PF, Bellwood DR (2011) Coral reefs as drivers of cladogenesis: Expanding coral reefs, cryptic extinction events, and the development of biodiversity hotspots. *Journal of Evolutionary Biology* 24:2543-2562

Craft JD, Russ AD, Yamamoto MN, Iwai TY, Hau S, Kahiapo J, Chong CT, Ziegler-Chong S, Muir C, Fujita Y, Polhemus DA, Kinzie RA, Santos SR (2008) Islands under islands: the phylogeography and evolution of *Halocaridina rubra* Holthuis, 1963 (Crustacean: Decapoda: Atyidae) in the Hawaiian archipelago. *Limnology and Oceanography* 53: 675–689

Crandall ED, Jones ME, Munoz MM, Akinronbi B, Erdmann MV, Barber PH (2008) Comparative phylogeography of two seastars and their ectosymbionts within the Coral Triangle. *Molecular Ecology* 17:5276-5290

Dawson MN, Martin LE, Penland LK (2001) Jellyfish swarms, tourists, and the Christ-child. *Hydrobiologia* 451: 131-144

Dawson MN (2005a) Five new subspecies of *Mastigias* (Scyphozoa: Rhizostomeae: Mastigiidae) from marine lakes, Palau. *Micronesia Journal Marine Biological Association U.K.* 85: 679–694

Dawson MN, Hamner WM (2005b) Rapid evolutionary radiation of marine zooplankton in peripheral environments. *Proceeding of the National Academy of Sciences (USA)* 102:9235-9240

Dawson MN (2006) Island evolution in marine lakes. *JMBA Global Marine Environment*:26-29

Dawson MN, Martin LE, Bell LJ, Patris S (2009) Marine lakes. In: Gillespie R, Clague DA (eds) Encyclopedia of Islands. University of California Press, Berkeley, p. 603-607

Dayrat B, Tillier A, Lecointre G, Tillier S (2001) New clades of euthyneuran gastropods (Mollusca) from 28S rRNA sequences. *Molecular Phylogenetics and Evolution* 19: 225-235

DeBiasse MB, Richards VP, Shivji MS (2010) Genetic assessment of connectivity in the common reef sponge, *Callyspongia vaginalis* (Demospongiae: Haplosclerida) reveals high population structure along the Florida reef tract. *Coral Reefs* 29:47-55

DeBoer TS, Subia MD, Ambariyanto, Erdmann MV, Kovitvongsa K, Barber PH (2008) Phylogeography and limited genetic connectivity in the endangered boring giant clam across the Coral Triangle. *Conservation Biology* 22:1255-1266

Dendy A (1916) Report on the non-calcareous sponges collected by Mr. James Hornell at Okhamandal in Kattiawar in 1905-6. *Report to the Government of Baroda on the Marine Zoology of Okhamandal in Kattiawar* 2: 93-146, pls. I-IV

DeVantier LM, Done TJ (2007) Inferring past outbreaks of the Crown-of Thorns Seastar from scar patterns on coral heads. In: Aronson R (ed) Geological Approaches to Coral Reef Ecology. Springer, New York, Ecological Studies Volume 192: 85-125

Diaz MC, Smith KP, Rützler K (2004) Sponge species richness and abundance as indicators of mangrove epibenthic community health. *Atoll Research Bulletin* 518: 1–17

Diaz MC (2005) Common sponges from shallow marine habitats from Bocas del Toro region, Panama. *Caribbean Journal of Science* 41: 465-475

Dray S, Legendre P, Peres-Neto PR (2006) Spatial modelling: A comprehensive framework for principal coordinate analysis of neighbour matrices (pcnm). *Ecological Modeling* 196: 483-493

Duckworth AR, Wolff CW (2007) Patterns of abundance and size of dictyoceratid sponges among neighbouring islands in central Torres Strait, Australia. *Marine and Freshwater Research* 58: 204-212

Duffy JE, Paul VJ (1992) Prey nutritional quality and the effectiveness of chemical defenses against tropical reef fishes. *Oecologia* 90: 333-339

Duran S, Rutzler K (2006) Ecological speciation in a Caribbean marine sponge. *Molecular Phylogenetics and Evolution* 40:292-297

Edinger EN, Risk MJ (2000) Reef classification by coral morphology predicts coral reef conservation value. *Biological Conservation* 92: 1-13

Ellingsen KE (2002) Soft-sediment benthic biodiversity on the continental shelf in relation to environmental variability. *Marine Ecology Progress Series* 232: 15-27

Ellison AM, Farnsworth EJ (1992) The ecology of Belizean mangrove-root fouling communities - patterns of epibiont distribution and abundance, and effects on root-growth. *Hydrobiologia* 247: 87-98

Ellison AM, Farnsworth EJ (1996) Spatial and temporal variability in growth of *Rhizophora mangle* saplings on coral cays: Links with variation in insolation, herbivory, and local sedimentation rate. *Journal of Ecology* 84: 717-731

Ellison AM, Farnsworth EJ, Twilley RR (1996b) Facultative mutualism between red mangroves and root-fouling sponges in Belizean mangal. *Ecology* 77: 2431-2444

Emerson BC, Gillespie RG (2008) Phylogenetic analysis of community assembly and structure over space and time. *Trends in Ecology and Evolution* 23:619-630

Engel S, Pawlik JR (2005) Interactions among Florida sponges. II. Mangrove habitats. *Marine Ecology Progress Series* 303: 145-152

English S, Wilkinson CR, Baker VJ (eds) (1994) Survey Manual for Tropical Marine Resources. Australian Institute of Marine Science, 368 p.

Erdmann MW (1998) Status of coral communities of Pulau Seribu, 1985-1995. In: Contending with global change. Soemodijhardjo S (ed) Proceedings: Coral reef workshop, Pulau Seribu, Jakarta, Indonesia. 11-20 September 1995. UNESCO, Jakarta, Indonesia, pp 84-89

Erpenbeck D, Breeuwer JAJ, van Soest RWM (2005) Implications from a 28s rrna gene fragment for the phylogenetic relationships of halichondrid sponges (porifera : Demospongiae). *Journal of Zoological Systematics and Evolutionary Research* 43:93-99

Erpenbeck D, Breeuwer JAJ, Parra-Velandia FJ, van Soest RWM (2006) Speculation with spiculation?—Three independent gene fragments and biochemical characters versus morphology in demosponge higher classification. *Molecular Phylogenetics and Evolution* 38: 293–305

Erpenbeck D, van Soest RWM (2007) Status and perspective of sponge chemosystematics. *Marine Biotechnology* 9:2-19

Estradivari (2008) Trouble or paradise: a scenario analysis of Berau's coastal zone. MSc thesis, Vrije Universiteit Amsterdam, The Netherlands

Excoffier L, Laval G, Schneider S (2005) Arlequin (version 3.0): An integrated software package for population genetics data analysis. *Evolutionary Bioinformatics* 1:47-50

Excoffier L, Lischer HEL (2010) Arlequin suite ver 3.5: A new series of programs to perform population genetics analyses under linux and windows. *Molecular Ecology Resources* 10:564-567

Fabricius KE (2005) Effects of terrestial runoff on the ecology of corals and coral reefs: review and synthesis. *Marine Pollution Bulletin* 50: 125-146

Farnsworth EJ, Ellison AM (1996) Scale-dependent spatial and temporal variability in biogeography of mangrove root epibiont communities. *Ecological Monographs* 66: 45-66

Fautin DG. Fitt WK (1991) A jellyfish-eating sea anemone (Cnidaria, Actiniaria) from Palau : *Entacmaea medusivora* sp. nov. *Hydrobiologia* 216-217: 453-461.

Folmer O, Black M, Hoeh W, Lutz R, Vrijenhoek R (1994) DNA primers for amplification of mitochondrial cytochrome C oxidase subunit I from diverse metazoan invertebrates. *Molecular Marine Biology Biotechnology* 3: 294-299

Fox HE, Caldwell RL (2006) Recovery from blast fishing on coral reefs: a tale of two scales. *Ecological Applications* 16**:** 1631-1635

Fransen CHJM, Tomascik T (1996) *Parhippolyte uveae* Borradaille, 1899 (Crustacea: Decapoda: Hippolytidae) from Kakaban island, Indonesia. *Zoologische Mededelingen, Leiden* 70: 227-233

Fromont J (2004) Porifera (sponges) of the Dampier Archipelago, Western Australia: habitats and distributions. *Records of the Western Australia Museum Supplement* 66: 69-100

Fromont J, Vanderklift MA, Kendrick GA (2006) Marine sponges of the Dampier Archipelago, Western Australia: patterns of species distributions, abundance and diversity. *Biodiversity and Conservation* 15: 3731-3750

Froukh T, Kochzius M (2007) Genetic population structure of the endemic fourline wrasse (*Larabicus quadrilineatus*) suggests limited larval dispersal distances in the red sea. *Molecular Ecology* 16:1359-1367

Gaither MR, Bowen BW, Bordenave T-R, Rocha LAand others (2011) Phylogeography of the reef fish *Cephalopholis argus* (Epinephelidae) indicates pleistocene isolation across the Indo-Pacific barrier with contemporary overlap in the Coral Triangle. *BMC Evolutionary Biology* 11

Genner MJ, Nichols P, Carvalho GR, Robinson RL, Shaw PW, Smith A, Turner GF (2007) Evolution of a cichlid fish in a lake Malawi satellite lake. *Proceedings of the Royal Society B: Biological Sciences* 274:2249-2257

Gerrodette T, Flechsig AO (1979) Sediment-induced reduction in the pumping rate of the tropical sponge *Verongia lacunosa*. *Marine Biology* 55: 103-110

Geyh MA, Kudrass HR, Streif H (1979) Sea level changes during the late Pleistocene and Holocene in the Strait of Malacca. *Nature* 278:441-443

Gittenberger E (2012) Long-distance dispersal of molluscs: 'Their distribution at first perplexed me much'. *Journal of Biogeography* 39:10-11

Goetze E, Peijnenburg KTCA (*in review*) Regional genetic isolation and large population size should enable rapid evolution in marine metazoan plankton. *Proceedings of the Royal Society* B

Gomez ED, Yap HT (1988) Monitoring reef condition. In: Kenchington RA, Hudson BET (eds) Coral reef management handbook. UNESCO regional office for science and technology for Southeast Asia (ROSTSEA), Jakarta, pp 171–178

González-Farías F (1989) Estudio al microscopio electrónico de barrido de la estructura esquelética de la esponja *Placospongia melobesioides* Gray. *Anales del Instituto de Ciencias del Mar y Limnologia, Universidad Nacional Autónoma de México* 16 (1): 81–90

Goto TV, Tamate HB, Hanzawa N (2011) Phylogenetic characterization of three morphs of mussels (Bivalvia, Mytilidae) inhabiting isolated marine environments in Palau islands. *Zoological Science Tokyo* 28:568-579

Gotoh RO, Sekimoto H, Chiba SN, Hanzawa N (2009) Peripatric differentiation among adjacent marine lake and lagoon populations of a coastal fish, *Sphaeramia orbicularis* (apogonidae, perciformes, teleostei). *Genes and Genetic Systems* 84 287-295

Gouy M, Guindon S, Gascuel O (2010) Seaview version 4: A multiplatform graphical user interface for sequence alignment and phylogenetic tree building. *Molecular Biology and Evolution* 27:221-224

Gray JE (1867) On *Placospongia*, a new generic form of Spongiadae in the British Museum. Proceedings of the Zoological Society of London 1867 (1): 127-129

Groenenberg DSJ, Wesselingh FP, Rajagopal S, Jansen JM, Bos MM, Velde van der G, Gittenberger E, Hoeksema BW, Raad H and Hummel H (2011). On the identity of broad-shelled mussels (Mollusca, Bivalvia, Mytilus) from the Dutch delta region. *Contributions to Zoology* 80: 95-106.

Hammer Ø, Harper DAT, Ryan PD (2001) Past: Paleontological statistics software package for education and data analysis. Palaeontologia Electronica 4:9, http://palaeo -electronica.org/2001_2001/past/issue2001_2001.htm

Hamner WM, Carleton JH (1979) Copepods swarms: attributes and roles in coral reef ecosystems. *Limnology and Oceanography* 24: 1-14

Hamner WM, Gilmer RW, Hamner PP (1982) The physical, chemical, and biological characteristics of a stratified, saline, sulfide lake in Palau. *Limnology and Oceanography* 27: 896-909

Hamner WM, Hamner PP (1998) Stratified marine lakes of Palau (Western Caroline Islands). *Physical Geography* 19:175-220

Hamner WM, Hamner PP (1998) Stratified marine lakes of Palau (Western Caroline Islands). *Physical Geography* 19: 175-22095/98/NT. *Nucleic Acids Symposium Series* 41: 95-98

Hamner WM, Hauri IR (1981) Long-distance horizontal migrations of zooplankton (Scyphomedusae: *Mastigias*). *Limnology and Oceanography* 26: 414-423

Hechtel GJ (1976) Zoogeography of Brazilian Marine Demospongiae. In: Harrison FW, Cowden RR (Es) Aspects of Sponge Biology. Academic Press, New York & London, pp 237–260.

Hewitt G (2000) The genetic legacy of the quaternary ice ages. *Nature* 405:907-913

Ho SYW, Lanfear R, Bromham L, Phillips MJ, Soubrier J, Rodrigo AG, Cooper A (2011) Time-dependent rates of molecular evolution. *Molecular Ecology* 20:3087-3101

Hoeksema BW (2004a) Marine biodiversity of the coastal area of the Berau region, East Kalimantan, Indonesia. Progress report East Kalimantan program - pilot phase (October 2003). Naturalis, Leiden

Hoeksema BW (2004b) Impact of budding on free-living corals at East Kalimantan, Indonesia. *Coral Reefs* 23: 492

Hoeksema BW (2007) Delineation of the Indo-Malayan centre of maximum marine biodiversity: The Coral Triangle. In: W. Renema (ed) Biogeography, Time and Place: Distributions, Barriers and Islands, Springer, Dordrecht, pp 117-178.

Holland PWH (1993) Cloning genes using PCR. In: Stern CD, Holland PWH (eds) Developmental biology: A practical approach, Oxford University Press, Oxford

Holthuis LB (1973) Caridean shrimps found in landlocked saltwater pools at four Indo-West Pacific localities (Sinai Peninsula, Funafuti Atoll, Maui and Hawaii Islands), with the description of one new genus and four new species. *Zoologische Verhandelingen, Leiden* 128: 1-48

Hooper JNA, Wiedenmayer F (1994) Porifera. In: Wells A (Ed) Zoological Catalogue of Australia Vol. 12. CSIRO, Melbourne, 1–621

Hooper JNA, List-Armitage SE, Kennedy JA, Cook SD, Valentine CA (1999) Sponges of the Low Isles, Great Barrier Reef: an important scientific site, or a case of mistaken identity? *Memoirs of the Queensland Museum* 44: 249-262

Hooper JNA, Kennedy JA, van Soest RWM (2000). Annotated checklist of sponges (Porifera) of the South China Sea region. *The Raffles Bulletin of Zoology Supplement* 8: 125-207

Hooper JNA, Van Soest RWM (2002) Systema Porifera. A guide to the classification of sponges. Volume 1. Kluwer Academic/ Plenum Publishers: New York, Boston, Dordrecht, London, Moscow.

Hooper JNA, Kennedy JA (2002a) Small-scale patterns of sponge biodiversity (Porifera) on Sunshine Coast reefs, eastern Australia. *Invertebrate Systematics* 16: 637-653

Hooper JNA, Kennedy JA, Quinn RJ (2002b) Biodiversity 'hotspots', patterns of richness and endemism, and taxonomic affinities of tropical Australian sponges (Porifera). *Biodiversity and Conservation* 11: 851-885

Huelsenbeck JP, Ronquist F (2001) Mrbayes: Bayesian inference of phylogenetic trees. *Bioinformatics* 17:754-755

Humphreys WF (1999) Physico-chemical profile and energy fixation in Bundera Sinkhole, an anchialine remiped habitat in north-western Australia. *Journal of the Royal Society of Western Australia* 82: 89-98

Humphreys WF, Eberhard S (2001) Subterranean fauna of Christmas Island, Indian Ocean. *Helictite* 37(2): 59-74

Hunting ER, van Soest RWM, van der Geest HG, Vos A, Debrot AO (2008) Diversity and spatial heterogeneity of mangrove associated sponges of Curaçao and Aruba. *Contributions to Zoology* 77: 205-215

Hunting ER, van der Geest HG, Krieg AJ, van Mierlo MBL, van Soest RWM (2010) Mangrove-sponge associations: A possible role for tannins. *Aquatic Ecology* 44: 679-684

Iliffe TM (1991) Anchialine cave fauna of the Galapagos Islands. In Jame MJ (ed) Galapagos Marine Invertebrates, Plenum Press, New York pp 209-231.

IliffeTM (2000) Anchialine cave ecology. In: Wilkens H, Culver DC, Humphreys WF (eds), Ecosystems of the World. *Subterranean Ecosystems* 33: 59-76

Ismuranty C (2003) Building the co-managment for the conservation and sustainable use of the Derawan Islands, East Kalimantan, Indonesia. Worskshop Report Second International Tropical Marine Ecosystems Management Symposium, (ITMEMS 2), Manilla, Philippines. March 24-27, Theme 01

Jaume D, Sket B, Boxshall GA (2009) New subterranean Sebidae (Crustacea, Amphipoda, Gammaridea) from Vietnam and SW Pacific. *Zoosystema* 31(2): 249-277

Johnston G (1842) A History of British Sponges and Lithophytes. (WH. Lizars: Edinburgh): i-xii, 1-264, pls I-XXV.

Kaandorp JA (1986) Rocky substrate communities of the infralittoral fringe of the Boulonnais coast, NW France: a quantitative survey. *Marine Biology* 92: 255-265

Kano Y, Kase T (2004) Genetic exchange between anchialine cave populations by means of larval dispersal: The case of a new gastropod species *Neritilia cavernicola*. *Zoologica Scripta* 33:423-437

Katsanevakis S (2005) Population ecology of the endangered fan mussel *Pinna nobilis* in a marine lake. *Endangered Species Research* 1: 1–9

Keller C (1891) Die Spongienfauna des Rothen Meeres (II. Halfte). *Zeitschrift für wissenschaftliche Zoologie* 52: 294-368, pls. XVI-XX

Kenchington E, MacDonald B, Cao LQ, Tsagkarakis D, Zouros E (2002) Genetics of mother-dependent sex ratio in blue mussels (*Mytilus* spp.) and implications for doubly uniparental inheritance of mitochondrial DNA. *Genetics* 161:1579-1588

Kieschnick O (1896) Silicispongiae von Ternate nach den Sammlungen von Herr Prof. Dr. W. Kükenthal. *Zoologischer Anzeiger* 19(520): 526-534

Kirkpatrick R (1903) Descriptions of South African sponges. Part III. *Marine Investigations in South Africa* 2(14): 233-264

Knowlton N (2000) Molecular genetic analyses of species boundaries in the sea. *Hydrobiologia* 420:73-90

Kool JT, Paris CB, Barber PH, Cowen RK (2011) Connectivity and the development of population genetic structure in Indo-West Pacific coral reef communities. *Global Ecology and Biogeography* 20:695-706

Kott P (1995) A new colonial *Styela* (Ascidiacea: Styelidae) from an isolated marine habitat, Kakaban Island, East Kalimantan, Indonesia. *The Raffles Bulletin of Zoology* 43: 469-474

Kuenen PH (1933) Geology of coral reefs. The Snellius-Expedition in the eastern Part of the Netherlands East Indies 1929-1933, Geological results 5: 1-120

de Laubenfels MW (1936) A discussion of the sponge fauna of the Dry Tortugas in particular and the West Indies in general, with material for a revision of the families and orders of the Porifera. Carnegie Institute of Washington (Tortugas Laboratory Paper N° 467) 30: 1–225

Lee T, Foighil DO (2004) Hidden Floridian biodiversity: Mitochondrial and nuclear gene trees reveal four cryptic species within the scorched mussel, *Brachidontes exustus*, species complex. *Molecular Ecology* 13:3527-3542

Lee T, Foighil DO (2005) Placing the floridian marine genetic disjunction into a regional evolutionary context using the scorched mussel, *Brachidontes exustus*, species complex. *Evolution* 59:2139-2158

Legendre P, Gallagher ED (2001) Ecologically meaningful transformations for ordination of species data. *Oecologia* 129: 271-280

Lesser MP (2006) Benthic-Pelagic coupling on coral reefs: feeding and growth of Caribbean sponges. *Journal of Experimental of Marine Biology and Ecology* 328: 277-288

Lévi C (1956) Spongiaires des côtes de Madagascar. *Mémoires de l'Institut scientifique de Madagascar* (A) 10: 1-23

Lévi C (1965) Spongiaires recoltes par 1'expedition israelienne dans Ie sud de la Mer Rouge en 1962. In: Israel South Red Sea Expedition, 1962, *Report 13. Bulletin. Sea Fisheries Research Station, Israel*, 39: 3-27

Lim S-C, de Voogd NJ, Tan K-S (2009) Fouling sponges (Porifera) on navigation buoys from Singapore waters. *The Raffles Bulletin of Zoology* Supplement 22 :41-58

Lim S-C, de Voogd NJ, Tan K-S (2012) Biodiversity of shallow-water sponges (porifera) in Singapore and description of a new species of forcepia (poecilosclerida: Coelosphaeridae). *Contributions to Zoology* 81:55-71

Lopez-Legentil S, Pawlik JR (2009) Genetic structure of the Caribbean giant barrel sponge xestospongia muta using the i3-m11 partition of coi. *Coral Reefs* 28:157-165

MacArthur RH, Wilson EO (1967) The theory of island biogeography. Princeton University Press, Princeton, NJ , 224 pp.

Maciolek J (1983) Distribution and biology of Indo-Pacific insular hypogeal shrimps. *Bulletin of Marine Science* 33: 606-618

Maggs CA, Castilho R, Foltz D, Henzler Cand others (2008) Evaluating signatures of glacial refugia for North Atlantic benthic marine taxa. *Ecology* 89:S108-S122

Malay MCD, Paulay G (2010) Peripatric speciation drives diversification and distributional pattern of reef hermit crabs (Decapoda: Diogenidae: Calcinus). *Evolution* 64:634-662

Maldonado M, Uriz MJ (1999) Sexual propagation by sponge fragments. *Nature* 398:476-476

Mantel S (2001) BERAU MODEL FOREST AREA. Environmental datasets and maps: land systems inventory. Indonesian Ministry of Forrestry, Consultancy Report, pp. 25

Mariani S, Uriz MJ, Turon X (2005) The dynamics of sponge larvae assemblages from northwestern Mediterranean nearshore bottoms. *Journal of Plankton Research* 27:249-262

Mariani S, Uriz MJ, Turon X, Alcoverro T (2006) Dispersal strategies in sponge larvae: integrating the life history of larvae and the hydrologic component. *Oecologia* 149:174-184

Mariani S, Peijnenburg KTCA, Weetman D (2012) Independence of neutral and adaptive divergence in a low dispersal marine mollusk. *Marine Ecology Progress Series* 446: 173–187

Martínez García A, Palmero AM, del Carmen Brito M, Núñez J, Worsaae K (2009) Anchialine fauna of the Corona lava tube (Lanzarote, Canary Islands): diversity, endemism and distribution. *Marine Biology* 39: 169-182.

Massin C, Tomascik T (1996) Two new holothurians (Echinodermata: Holothuroidea) from an anchialine lagoon of an uplifted atoll, Kakaban Island, East Kalimantan, Indonesia. *The Raffles Bulletin of Zoology* 44: 157-172

McCormack GP, Kelly M (2002) New indications of the phylogenetic affinity of spongosorites suberitoides diaz et al., 1993 (porifera, demospongiae) as revealed by 28s ribosomal DNA. *Journal of Natural History* 36:1009-1021

McDonald JI, Hooper JNA, McGuinness KA (2002) Environmentally influenced variability in the morphology of *Cinachyrella australiensis* (Carter 1886) (Porifera : Spirophorida : Tetillidae). *Marine and Freshwater Research* 53: 79-84Ci

van der Meij SET, Moolenbeek RG, Hoeksema BW (2009) Decline of the Jakarta Bay molluscan fauna linked to human impact. *Marine Pollution Bulletin* 59: 101-107

Meyer CP, Geller JB, Paulay G (2005) Fine scale endemism on coral reefs: Archipelagic differentiation in turbinid gastropods. *Evolution* 59: 113-125

Monniot,F (2009) Some ascidians from Indonesian marine lakes (Raja Ampat Islands, West Papua). *Zootaxa* 2106: 13–40

Monteiro-Ribas W, Rocha-Miranda F, Romano RC, Quintanilha J (2006) Larval development of *Brachidontes solisianus* (Bivalvia, Mytilidae), with notes on differences between its hinge system and that of the mollusk *Perna perna*. *Brazilian Journal of Biology* 66:109-116

Mora C, Chittaro PM, Sale PF, Kritzer JP, Ludsin SA (2003) Patterns and processes in reef fish diversity. *Nature* 421: 933-936

Morley RJ (2000) Origin and Evolution of Tropical Rain Forests. John Wiley & Sons, Ltd., Chichester, p.362

Morrow CC, Picton BE, Erpenbeck D, Boury-Esnault N, Maggs CA, Allcock AL (2012) Congruence between nuclear and mitochondrial genes in Demospongiae: A new hypothesis for relationships within the G4 clade (porifera: Demospongiae). *Molecular Biology and Evolution* 62:174-190

Mylroie JE, Carew JL (1995) Karst developments in carbonate islands. In Budd DA, Saller AH, Harris PM (eds), Unconformities and porosities in carbonate strata, American Association of Petroleum Geologists Publication, Tulsa, OK pp 55-76.

Nagelkerken I, Blaber SJM, Bouillon S, Green Pand others (2008) The habitat function of mangroves for terrestrial and marine fauna: A review. *Aquatic Botany* 89: 155-185

Nakamura Y, Sano M (2005) Comparison of invertebrate abundance in a seagrass bed and adjacent coral and sand areas at Amitori Bay, Iriomote Islands, Japan. *Fisheries Science* 71: 543-550

Ng PKL, Tomascik T (1994) *Orcovita saltatrix*, a new genus and species of anchialine varunine crab (Crustacea, Decapoda, Brachyura, Grapsidae) from Kakaban Island, Indonesia. *The Raffles Bulletin of Zoology* 42: 937-948

Ng PKL, Guinot D, Iliffe TM (1996) Revision of the anchialine varunine crabs of the genus Orcovita Ng & Tomascik, 1994 (Crustacea: Decapoda: Brachyura: Grapsidae), with descriptions of four new species. *The Raffles Bulletin of Zoology* 44: 109-134.

Nichols SA, Barnes PAG (2005) A molecular phylogeny and historical biogeography of the marine sponge genus *Placospongia* (Phylum Porifera) indicate low dispersal capabilities and widespread crypsis. *Journal of Experimental Marine Biology and Ecology* 323: 1 –15

Nuryanto A, Kochzius M (2009) Highly restricted gene flow and deep evolutionary lineages in the giant clam *Tridacna maxima*. *Coral Reefs* 28:607-619

Oksanen J, Kindt R, Legendre P, O'Hara Band others (2009) Vegan: Community ecology package. R package version version 1.15-4. Http://cran.R-project.Org/package=vegan.

Palumbi SR (1994) Genetics divergence, reproductive isolation, and marine speciation. *Annual Review of Ecology, Evolution, and Systematics* 25:547-72

Page TJ, Humphreys WF, Hughes JM (2008) Shrimps down under: Evolutionary relationships of subterranean crustaceans from Western Australia (decapoda: Atyidae: Stygiocaris). *Public Library of Science (Plos ONE)* 3:e1618, 1611-1612

Pawlik JR (1998) Coral reef sponges: Do predatory fishes affect their distribution? *Limnology and Oceanography* 43: 1396-1399

Pawlik JR, McMurray SE, Henkel TP (2007) Abiotic factors control sponge ecology in Florida mangroves. *Marine Ecology Progress Series* 339: 93-98

Peijnenburg K, Breeuwer JAJ, Pierrot-Bults AC, Menken SBJ (2004) Phylogeography of the planktonic chaetognath *Sagitta setosa* reveals isolation in European seas. *Evolution* 58:1472-1487

Pérez-Porro A-R, González J, Uriz MJ (*in press*) Reproductive traits explain contrasting ecological features in sponges: The sympatric poecilosclerids *Hemimycale columella* and *Crella elegans* as examples. *Hydrobiologia* DOI: 10.1007/s10750-011-0919-6

Picton BE, Morrow CC, van Soest RWM (2007) Sponges of the British Britain and Ireland. http://www.habitas.org.uk/marinelife/sponge_guide/index.html. Consulted on 15 Feb 2009

Pisera A, Ruetzler K, Kaz'mierczak J, Kempe S (2010) Sponges in an extreme environment: Suberitids from the quasi-marine Satonda Island crater lake (Sumbawa, Indonesia). *Journal of the Marine Biological Association of the UK* 90:203-212

Pluthero FG (1993) Rapid purification of high-activity Taq DNA polymerase. *Nucleic Acids Research* 21: 4850 -4851

Pöppe J, Sutcliffe P, Hooper JNA, Wörheide G, Erpenbeck D (2011) CO I Barcoding reveals new clades and radiation patterns of Indo-Pacific sponges of the family Irciniidae (Demospongiae: Dictyoceratida). *PLosOne* 5(4): e9950

Posada D (2008) Jmodeltest: Phylogenetic model averaging. *Molecular Biology and Evolution* 25:1253-1256

Prentice ML, Hope GS (2007) Climate of Papua. In Marshall AJ, Beehler BM (eds), The Ecology of Papua. Part One, Periplus, Singapore, pp 177-196.

Pronzato R, Manconi R (1994) Adaptive strategies of sponges in inland waters. *Bollottino di Zoologia* 61:395-401

Pulitzer-Finali G (1986) A collection of West Indian Demospongiae (Porifera). In appendix, a list of the Demospongiae hitherto recorded from the West Indies. *Annali del Museo Civico di Storia Naturale Giacomo Doria* 86: 65–216

Pulitzer-Finali G (1993) A collection of marine sponges from East Africa. *Annali del Museo civico di storia naturale Giacomo Doria* 89: 247-350

Pulitzer-Finali G (1996) Sponges from the Bismarck Sea. *Bollettino dei Musei degli Istituti di Biologia dell' Università di Genova* 60-61: 101-138

Rambaut A, Drummond AJ (2007) Tracer v1.4, available from http://beast.Bio.Ed.Ac.Uk/tracer.

Reitner J, Wörheide G, Arp G, Hooper JNA (1999) An unusual suberitid demosponge from a marine alkaline crater lake (Satonda Island, Indonesia). *Memoirs of the Queensland Museum* 44: 477-478

Renema W (2006a) Habitat variables determing the occurrence of large benthic foraminifera in the Berau area (East Kalimantan, Indonesia). *Coral Reefs* 25: 351-359

Renema W (2006b) Large benthic foraminifera from the deep photic zone of a mixed siliciclastic-carbonate shelf off East Kalimantan, Indonesia. *Marine Micropaleontology* 58: 73-82

Renema W, Bellwood DR, Braga JC, Bromfield K, Hall R, Johnson KG, Lunt P, Meyer CP, McMonagle LB, Morley RJ, O'Dea A, Todd J, Wesselingh FP, Wilson MEJ, Pandolfi JM (2008) Hopping hotspots: Global shifts in marine biodiversity. *Science* 321:654-657

Reunov AA, Au DWT, Wu RSS (1999) Spermatogenesis of the green-lipped mussel *Perna viridis* with dual patterns of acrosome and tail development in spermatids. *Helgoland Marine Research* 53:62-69

Reveillaud J, Remerie T, van Soest R, Erpenbeck Dand others (2010) Species boundaries and phylogenetic relationships between Atlanto-Mediterranean shallow-water and deep-sea coral associated hexadella species (porifera, ianthellidae). *Molecular Phylogenetics and Evolution* 56:104-114

Reveillaud J, van Soest R, Derycke S, Picton B, Rigaux A, Vanreusel A (2011) Phylogenetic relationships among ne Atlantic plocamionida topsent (1927) (porifera, poecilosclerida): Under-estimated diversity in reef ecosystems. PLoS ONE 6(2): e16533

Roberts CM, McClean CL, Veron JEN, Hawkins JP et al. (2002) Marine biodiversity hotspots and conservation priorities for tropical reefs. *Science* 295:1280-1284

Rohlf FJ (1973) Algorithm 76. Hierarchical clustering using the minimum spanning tree. *The Computer Journal* 16: 93-95Rohlf FJ (1999) Shape statistics: Procrustes superimpositions and tangent spaces. *Journal Classification* 16:197-223

Rohlf F (2010a) Tpsutil, file utility program. Version 1.46. Department of Ecology and Evolution, State University of New York at Stony Brook

Rohlf FJ (2010b) Tpsdig, digitize landmarks and outlines, version 2.12. Department of Ecology and Evolution, State University of New York at Stony Brook

Rohlf FJ (2010c) Tpsrelw, relative warps analysis, version 1.41. Department of Ecology and Evolution, StateUniversity of New York at Stony Brook

Rosindell J, Hubbell SP, Etienne RS (2011) The unified neutral theory of biodiversity and biogeography atage ten. *Trends in Ecology & Evolution* 26:340-348

Rua CPJ, Mattos A, Solé-Cava A (2006) Cryptic speciation and correspondence between spiculation and molecular markers in Placospongia. In: Book of Abstracts 7th International Sponge Symposium, Biodiversity, Innovation, Sustainability. Museu Nacional, Rio de Janeiro, p 197.

Rua CPJ, Zilberberg C, Sole-Cava AM (2011) New polymorphic mitochondrial markers for sponge phylogeography. *Journal of the Marine Biological Association of the UK* 91:1015-1022

Rützler K (1964) Aspects of littoral life in the Indian ocean. *Atti del Seminario di Studii Biologici* (Bari, Italy) 1:1-17

Rützler K (1969) The mangrove community: Aspects of its structure, faunistics, and ecology. In: Memorias, simposio international lagunas costeras, 1967, Universidad National Atonoma Mexico , 53, Mexico, D.F, p 515-536.

Rützler K (1995) Low-tide exposure of sponges in a Caribbean mangrove community. *Marine Ecology* 16: 165-179

Rützler K, Diaz MC, Soest RWMv, Zea S, Smith K, Alvarez B, Wulff J (2000) Diversity of sponge fauna in mangrove fringed ponds, Pelican Cays, Belize. *Atoll Research Bulletin* 467: 229-248

Rützler K (2002) Family Placospongiidae Gray, 1867. In: Hooper JNA, van Soest RW M (Ed.) Systema Porifera. A guide to the classification of sponges. 1 (Kluwer Academic/ Plenum Publishers: New York, Boston, Dordrecht, London, Moscow), pp. 196-200.

Saavedra C, Reyero MI, Zouros E (1997) Male-dependent doubly uniparental inheritance of mitochondrial DNA and female-dependent sex-ratio in the mussel *Mytilus galloprovincialis*. Genetics 145:1073-1082

Santaclara FJ, Espineira M, Cabado G, Aldasoro A, Gonzalez-Lavin N, Vieites JM (2006) Development of a method for the genetic identification of mussel species belonging to *Mytilus*, *Perna*, *Aulacomya*, and other genera. *Journal of Agricultural & Food Chemistry* 54:8461-8470

Santos SR (2006) Patterns of genetic connectivity among anchialine habitats: a case study of the endemic Hawaiian shrimp *Halocaridina rubra* on the island of Hawaii. *Molecular Ecology* 15: 2699–2718

Sasekumar A, Chong VC (1998) Faunal diversity in Malaysian mangroves. *Global Ecology and Biodiversity Letters* 7: 57-60

Sathiamurthy E, Voris HK (2006) Maps of holocene sea level transgression and submerged lakes on the Sunda shelf. . *The Natural History Journal of Chulalongkorn University Supplement* 2:1-44

Seymour JR, Humphreys WF, Mitchell JG (2007) Stratification of the microbial community inhabiting an anchialine sinkhole. *Aquatic Microbial Ecology* 50: 11-24

Siegert F, Ruecker G, Hinrichs A, Hoffmann AA (2001) Increased damage from fires in logged forests during droughts caused by El Niño. *Nature* 414: 437-440

Sket B (1996) The ecology of the anchihaline caves. *Trends in Ecology and Evolution* 11: 221-225

Skilleter GA, Russell BD, Degnan BM, Garson MJ (2005). Living in a potentially toxic environment: comparisons of endofauna in two congeneric sponges from the Great Barrier Reef. *Marine Ecology Progress Series* 304: 67-75

van Soest RWM (1989) The Indonesian sponge fauna: a status report. *Netherlands Journal of Sea Research* 23: 223-230

van Soest RWM, Picton BE, Morrow C (2000) Sponges of the North East Atlantic. In: World Biodiversity Database CD-ROM Series, Windows/Mac version 1.0. ETI. University of Amsterdam: Amsterdam

van Soest RWM, Beglinger EJ (2008) Tetractinellid and hadromerid sponges of the Sultanate of Oman. *Zoologische Mededelingen Leiden* 82 (53): 749-79

van Soest RWM, Boury-Esnault N, Hooper JNA, Rützler K, de Voogd NJ, Alvarez de Glasby B, Hajdu E, Pisera AB, Manconi R, Schoenberg C, Janussen D, Tabachnick KR, Klautau M (2008b) World Porifera database. Available online at http://www.vliz.be/vmdcdata/porifera. Consulted on 2008-10-01.

van Soest RWM (2009) New sciophilous sponges from the Caribbean (Porifera: Demospongiae). *Zootaxa 21*07: 1–40

van Soest RWM, Boury-Esnault N, Hooper JNA, Rützler K, de Voogd NJ, Alvarez de Glasby B, Hajdu E, Pisera AB, Manconi R, Schoenberg C, Janussen D, Tabachnick KR, Klautau M, Picton B, Kelly M (2011). World Porifera database. Available online at http://www,marinespecies.org/porifera. [accessed 31.I.2011]

Sollas IBJ (1902) On the Sponges collected during the 'Skeat Expedition' to the Malay Peninsula 1899-1900. *Proceedings of the Zoological Society of London* 2: 210-221, pls. XIV-XV

Spalding M, Blasco F, Field C (1997) World Mangrove Atlas, Vol. 1997 The International Society for Mangrove Ecosystems, Okinawa, Japan, UNEP-WCMC, Cambridge, 178 pp.

Stock JH, Iliffe TN, Williams D (1986) The concept "anchialine" reconsidered. *Stygologia* 2: 90-92.

Stöver BC, Müller KF (2010) TreeGraph 2: Combining and visualizing evidence from different phylogenetic analyses. *BMC Bioinformatics* 11:7

Sutherland JP (1980) Dynamics of the epibenthic community on roots of the mangrove *Rhizophora mangle*, at Bahia de Buche, Venezuela. *Marine Biology* 58: 75–84

Swofford DL (1998) PAUP*. Phylogenetic analysis using parsimony (*and other methods), version 4. Sinauer Associates, Sunderland ____

Tamura K, Peterson D, Peterson N, Stecher G, Nei M, Kumar S (2011) Mega5: Molecular evolutionary genetics analysis using maximum likelihood, evolutionary distance, and maximum parsimony methods. *Molecular Biology and Evolution* 28:2731-2739

Tajima F (1989a) Statistical method for testing the neutral mutation hypothesis by DNA polymorphism. *Genetics* 123:585 - 595

Tanita S, Hoshino T (1989b) The Demospongiae of Sagami Bay. Biological Laboratory, Imperial Household Japan, pp 197.

Terranova MS, Lo Brutto S, Arculeo M, Mitton JB (2006) Population structure of *Brachidontes pharaonis* (p. Fisher, 1870) (Bivalvia, Mytilidae) in the Mediterranean sea, and evolution of a novel mtDNA polymorphism. *Marine Biology* 150:89-101

Terranova MS, Lo Brutto S, Arculeo M, Mitton JB (2007) A mitochondrial phylogeography of *Brachidontes* variabilis (Bivalvia : Mytilidae) reveals three cryptic species. *Journal of Zoological Systematics and Evolutionary Research* 45:289-298

Thiele J (1900) Kieselschwämme von Ternate. I. *Abhandlungen herausgegeben von der Senckenbergischen naturforschenden Gesellschaft Frankfurt* 25: 19-80

Thiele J (1903) Kieselschwämme von Ternate. II. *Abhandlungen herausgegeben von der Senckenbergischen naturforschenden Gesellschaft* 25: 933-968, pl. XVIII

Thomas MLH, Logan A, Eakins KE, Mathers SM (1992) Biotic characteristics of the anchialine ponds of Bermuda. *Bulletin of Marine Science* 50: 133-157

Timm J, Kochzius M (2008) Geological history and oceanography of the Indo-Malay archipelago shape the genetic population structure in the false clown anemonefish (*Amphiprion ocellaris*). *Molecular Ecology* 17:3999-4014

Tomascik T, Mah AJ (1994) The ecology of '*Halimeda* lagoon": An anchialine lagoon of a raised atoll, Kakaban island, East Kalimantan, Indonesia. *Tropical Biodiversity* 2: 385-399

Tomascik T, Mah AJ, Nontji A, Moosa MK (1997). The Ecology of the Indonesia Seas. Part II. Periplus, Editions Tuttle Publishing, Singapore, pp 643-1388.

Vonneman V, Schrödl M, Klussmann-Kolb A, Wägele H (2005) Reconstruction of the phylogeny of the Opistobranchia (Mollusca: Gastropoda) by means of 18S and 28S rRNA gene sequences. *Journal of Molluscan Studies* 71: 113-125

de Voogd NJ, Cleary DFR, Hoeksema BW, Noor A, van Soest RWM (2006) Sponge beta diversity in the Spermonde archipelago, SW Sulawesi, Indonesia. *Marine Ecology Progress Series* 309: 131-142

de Voogd NJ, de Weerdt WH, van Soest RWM (2006b) The sponge fauna of the anchialine lakes of Kakaban and Maratua (East Kalimantan, Indonesia). In Custodio M.R. et al. (eds), 7th International Sponge Symposium – Biodiversity, Innovation, Sustainability, Book of Abstracts. Museo Nacional, Rio de Janeiro: 242

de Voogd NJ, Cleary DFR (2007) Relating species traits to environmental variables in Indonesian coral reef sponge assemblages. *Marine and Freshwater Research* 58: 240-249

de Voogd NJ, Cleary DFR (2008) An analysis of sponge biodiversity and distribution at three taxonomic levels in the Thousand Islands/Jakarta Bay reef complex, West-Java, Indonesia. *Marine Ecology* 29: 205-215

de Voogd NJ, Becking LE, Cleary DFR (2009) Sponge community composition in the Derawan Islands, NE Kalimantan, Indonesia. *Marine Ecology Progress Series* 396: 169–180

de Voogd NJ, Cleary DFR (2009b) Variation in sponge composition among Singapore reefs. *The Raffles Bulletin of Zoology* suppl 22: 59-67

Voris HK (2000) Maps of Pleistocene sea levels in Southeast Asia: Shorelines, river systems and time durations. *Journal of Biogeography* 27:1153-1167

Vosmaer GCJ, Vernhout JH (1902) The Porifera of the Siboga-Expedition. I. The genus *Placospongia*. *In*: Weber M (Ed) Siboga-Expeditie. Uitkomsten op zoologisch, botanisch, oceanographisch en geologisch gebied verzameld in Nederlandsch Oost-Indië 1899-1900aan boord H.M. 'Siboga' onder commando van Luitenant ter Zee 1e kl. G.F. Tydeman. 9 (Monographie VIa) E.J. Brill, Leiden, 1-17

Wallace AR (1869) The Malay Archipelago, edition by Cosimo Classic, New York, published in 2007: 1-515

Wear RG, Holthuis LB (1977) A new record for the anchialine shrimp *Ligur uveae* (Borradaile, 1899) (Decapoda, Hippolytidae) in the Philippines with notes on its morphology, behaviour, and ecology. *Zoologische Mededelingen, Leiden* 51: 125-142

de Weerdt WH, Rützler K, Smith KP (1991) The Chalinidae (Porifera) of Twin Cays, Belize, and adjacent waters. *Proceeding of the Biological Society of Washington* 104: 189-205

de Weerdt WH (2000) A monograph of the shallow water Chalinidae (Porifera, Haplosclerida) of the Caribbean. *Beaufortia* 50: 1-67

Wesselingh FP, Dondorp EM, Renema W (*in review)* The composition and ecology of a Holocene shell fauna in anchialine lake Kakaban (Kalimantan, Indonesia) with description of new species.

Whittaker RJ, Fernandez-Palacios JM (2007) Island biogeography. 2nd edition. Oxford University Press, Oxford, 412 pp

Wilkinson CR, Evans EA (1989) Sponge distribution across Davies Reef, Great Barrier Reef, relative to location, depth, and water movement. *Coral Reefs* 8: 1-7

Wörheide G (1998) The reef cave dwelling ultraconservative coralline demosponge *Astrosclera willeyana* Lister 1900 from the Indo-Pacific - micromorphology, ultrastructure, biocalcification, isotope record, taxonomy, biogeography, phylogeny. *Facies* 38:1-88

Wörheide G, Hooper JNA, Degnan BM (2002) Phylogeography of Western Pacific *Leucetta 'chagosensis'* (porifera : Calcarea) from ribosomal DNA sequences: Implications for population history and conservation of the Great Barrier Reef world heritage area (Australia). *Molecular Ecology* 11:1753-1768

Wörheide G, Nichols SA, Goldberg J (2004) Intragenomic variation of the rdna internal transcribed spacers in sponges (phylum Porifera): Implications for phylogenetic studies. *Molecular Phylogenetics and Evolution* 33:816-830

Wörheide G, Sole-Cava AM, Hooper JNA (2005) Biodiversity, molecular ecology and phylogeography of marine sponges: Patterns, implications and outlooks. *Integrative and Comparative Biology* 45:377-385

Wörheide G (2006) Low variation in partial cytochrome oxidase subunit I (COI) mitochondrial sequences in the coralline demosponge *Astrosclera willeyana* across the Indo-Pacific. *Marine Biology* 148: 907-912

Wörheide G, Epp LS, Macis L (2008) Deep genetic divergences among Indo-Pacific populations of the coral reef sponge *Leucetta chagosensis* (leucettidae): Founder effects, vicariance, or both? *BMC Evolutionary Biology* 8

Wulff JL (1991) Asexual fragmentation, genotype success, and population-dynamics of erect branching sponges. *Journal of Experimental Biology* 149:227-247

Wulff JL (1995) Effects of a hurricane on survival and orientation of large erect coral-reef sponges. *Coral Reefs* 14:55-61

Wulff JL (2000) Sponge predators may determine difference in sponge fauna between two sets of mangrove cays, Belize barrier reef. *Atoll Research Bulletin* 477: 251-263

Wulff JL (2004) Sponges on mangrove roots, Twin Cays, Belize: Early stages of community assembly. *Atoll Research Bulletin* 519: 1-10

Wulff (2005) Trade-offs in resistance to competitors and predators, and their effects on the diversity of tropical marine sponges. *Journal of Animal Ecology* 74: 313-321

Wulff JL (2006) Sponge systematics by starfish: Predators distinguish cryptic sympatric species of Caribbean fire sponges, tedania ignis and *Tedania klausi* n. sp (Demospongiae, Poecilosclerida). *The Biological Bulletin* 211:83-94

Wulff JL (2006a) Ecological interactions of marine sponges. *Canadian Journal of Zoology* 84: 146-166

Wulff JL (2010b) Regeneration of sponges in ecological context: Is regeneration an integral part of life history and morphological strategies? *Integrative and Comparative Biology* 50: 494-505

Xavier JR, Rachello-Dolmen PG, Parra-Velandia F, Schoenberg CHL, Breeuwer JAJ, van Soest RWM (2010a) Molecular evidence of cryptic speciation in the "cosmopolitan" excavating sponge *Cliona celata* (Porifera, Clionaidae). *Molecular Phylogenetics & Evolution* 56:13-20

Xavier JR, van Soest RWM, Breeuwer JAJ, Martins AMF, Menken SBJ (2010b). Phylogeography, genetic diversity and structure of the poecilosclerid sponge *Phorbas fictitius* at oceanic islands. *Contributions to Zoology* 79 (3): 119-129

Xia X, Xie Z (2001) DAMBE: Software Package for Data Analysis in Molecular Biology and Evolution. *Journal of Heredity* 92(4): 371-373

Zouros E, Ball AO, Saavedra C, Freeman KR (1994) An unusual type of mitochondrial-DNA inheritance in the blue mussel *Mytilus*. *Proceedings of the National Academy of Sciences (USA)* 91:7463-7467