

## *Curriculum Vitæ*

# Alexander M. Kerr

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*education* 2000 Ph.D. in Ecology and Evolutionary Biology, Yale University  
1997 Master of Philosophy in Biology, Yale University  
1994 Master of Science in Biology, Marine Laboratory, University of Guam  
1991 Bachelor of Arts *magna cum laude* in Biology, University of Guam  
1986 Combat medic, U.S. Army Academy of Health Sciences, Fort Sam Houston

*appointments* 2009 Special Graduate Faculty, Department of Integrative Biology, University of Guelph, Canada  
2009 Associate Professor of Marine Biology, University of Guam  
2008 Adjunct Senior Research Fellow, Australian Research Council Centre of Excellence for Coral Reef Studies, James Cook University, Australia  
2007 Adjunct Research Associate, Florida Museum of Natural History, University of Florida  
2005 Assistant Professor of Marine Biology, University of Guam

*fellowships* 2003 Australian Research Council Postdoctoral Fellow, A.R.C. Centre of Excellence for Coral Reef Studies, James Cook University, Advisor: Dr. Terry P. Hughes.  
2000 NSF Postdoctoral Fellow, Department of Ecology, Evolution, etc., University of California at Santa Barbara, Advisor: Dr. Joseph H. Connell  
1997 STAR Graduate Fellow, U.S. Environmental Protection Agency

*grants* 2009 U.S. NOAA Coral Reef Initiative #CRIGU09-11; PI (US\$121K)  
2007 U.S. National Science Foundation #0646290; Co-PI (US\$100K)  
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*invited lectures* American Museum of Natural History, Brown University, Harvard University, James Cook University (Australia), Smithsonian Institution, University of California at Santa Barbara, University of Florida, University of Guam, University of Hawaii at Manoa, University of Perpignan (France), University of the Philippines.

*papers given* Steele, J. C., A. M. Kerr and S. Afaisen. 2010. A Pacific tangle: The ALS/Parkinsonism-dementia complex of Guam, Japan and western New Guinea [talk by JCS]. *The 135<sup>th</sup> Annual Meeting of the American Neurological Association, San Francisco, California, U.S.A.*

- Steele, J. C., A. M. Kerr and S. Afaisen. 2010. The long latencies of ALS/Parkinsonism-dementia [poster]. *The 14th International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina.*
- Riopel, C., A. M. Kerr and J. D. Ackerman. 2009. Trade-offs between concealment and body size as anti-predator mechanisms across coral reef-dwelling sea cucumbers: An eco-phylogenetic analysis [talk by CR]. *The 48th Annual Meeting of the Canadian Society of Zoologists, University of Toronto at Scarborough, Canada.*
- Riopel, C., A. M. Kerr, P. J. Schupp, and J. D. Ackerman. 2009. Evolutionary trade-offs between anti-predator mechanisms across coral-reef sea cucumbers [poster]. *Frontiers of Evolution: 5th Peter Yodzis Colloquium in Fundamental Ecology, University of Guelph, Canada.*
- Baird, A. H., A. M. Kerr and S. S. Campbell. 2008. Natural barriers against the Sumatra-Andaman tsunami: neither reefs nor coastal vegetation mitigated damage on land [talk by AHB and submitted paper]. *Conference on Restoration of Coastal Habitats; Foundation for Ecological Research, Advocacy and Learning; Mahabalipuram, India.*
- Kerr, A. M., A. H. Baird and T. P. Hughes. 2008. Correlated evolution of life-history traits in Scleractinia [talk]. *11th International Coral Reef Symposium, Ft. Lauderdale, Florida, USA.*
- Kim, S. W. and A. M. Kerr. 2008. Cryptic diversity of the nocturnal monsters *Bobadschia* spp. (Holothuroidea: Holothuriidae) [poster]. *11th International Coral Reef Symposium, Ft. Lauderdale, Florida, USA.*
- Netchy, K., G. Paulay and A. M. Kerr. 2008. Rapid speciation, allopatric differentiation, and simple morphology confound true diversity of some of the largest mobile reef invertebrates (*Actinopyga*, Holothuroidea, Echinodermata) [poster]. *11th International Coral Reef Symposium, Ft. Lauderdale, Florida, USA.*
- Michonneau, F., K. Netchy, J. Starmer, A. M. Kerr and G. Paulay. 2008. New insights into the biodiversity and evolution of aspidochirotid holothurians [talk by FM]. *11th International Coral Reef Symposium, Ft. Lauderdale, Florida, USA.*
- Kerr, A. M. 2008. Sea-Cucumbers in Western Literature from Antiquity to Linnaeus and Beyond. *Fifth North American Echinoderm Conference, Florida Institute of Technology, Melbourne, Florida, USA*
- Kerr, A. M., F. Michonneau, K. Netchy, G. Paulay, J. Starmer and T. Werner. 2007. Holothurian PEET: collaborative research and training in revisionary systematics. *PEET IV: Reaching Out, University of Georgia, Athens GA, USA*
- Schils, T., R. Tomasetti, A. Kerr, P. Provoost and W. F. Prud'homme van Reine. 2007. Global biogeographic patterns of marine macroalgae [poster]. *Third Biennial Conference of the International Biogeography Society, Tenerife, Canary Islands.*
- Konow, N., D. R. Bellwood, P. C. Wainwright and A. M. Kerr. 2007. Intramandibular joints help coral reef fishes have a bite [talk by NK]. *Society for Integrative and Comparative Biology Annual Meeting, Phoenix AZ, USA.*
- Aspidochirote Working Group. 2006. Global Partnership to Standardize Holothuroid Systematics. *12th International Echinoderm Conference, University of New Hampshire, Durham NH, USA.*
- Kerr, A. M., R. M. Clouse, M. P. O'Loughlin, T. D. O'Hara and D. A. Janies. 2006. Multigene phylogeny of aspidochirote holothuroids [talk]. *12th International Echinoderm Conference, University of New Hampshire, Durham NH, USA.*
- Kerr, A. M. 2006. History of holothuroid nomenclature from Classical times to Linnaeus. *PEET Workshop: Taxonomic Revision of the Aspidochirotida (Echinodermata: Holothuroidea), Royal*

*Belgian Institute of Natural Sciences, Brussels.*

Kerr, A. M. 2006. A primer on phylogenetic reconstruction. *PEET Workshop: Taxonomic Revision of the Aspidochirotida (Echinodermata: Holothuroidea)*, Royal Belgian Institute of Natural Sciences, Brussels, Belgium.

Baird A. H., A.M. Kerr, A. W. Anggoro, R. L. Ardiwijaya, S. J. Campbell, N. Fadli, Y. Herdiana, T. Kartawijaya, A. Mukminin, S. T. Pardede, M. S. Pratchett, E. Rudi, A. M. Siregar and P. I. Wahyuningrum. 2006. Natural barriers against the Sumatra-Andaman tsunami: neither reefs nor coastal vegetation mitigated damage on land [talk by AHB]. *International Society for Reef Studies, European Meeting, Bremen, Germany.*

Kerr, A. M. and A. H. Baird. 2006. Correlated evolution of life-history traits in scleractinian corals [poster]. *The First Asia Pacific Coral Reef Symposium, Hong Kong.*

Kerr, A. M. and A. H. Baird. 2004. Combined "supertree" phylogeny of Scleractinia (Anthozoa) using matrix representation parsimony [talk]. *Tenth International Coral Reef Symposium, Okinawa, Japan.*

Greenberg, D. B., J. H. Connell, A. M. Kerr and L. Goldwasser. 2004. Direct competition for space between coral colonies at Heron Island, Australia [talk by DBG]. *Tenth International Coral Reef Symposium, Okinawa, Japan.*

Greenberg, D. B., J. H. Connell and A. M. Kerr. 2004. Measuring direct competition for space among corals [talk by DBG]. *89<sup>th</sup> Ecological Society of America Annual Meeting, Portland OR, USA.*

Kerr, A. M., D. A. Janies and R. M. Clouse. 2003. Evolutionary diversification of holothuroids ecologies onto coral reefs [talk]. Page 588 in: Heinzeller, T. and J. H. Nebelsick, (eds.), *Echinoderms: München. Proceedings of the 11<sup>th</sup> International Echinoderm Conference.* A. A. Balkema. Rotterdam.

Kerr, A. M., D. A. Janies and R. M. Clouse. 2003. Phylogeny of Holothuroidea based on 18S and histone 3 DNA sequences [talk]. Page 589 in: Heinzeller, T. and J. H. Nebelsick, (eds.), *Echinoderms: München. Proceedings of the 11<sup>th</sup> International Echinoderm Conference.* A. A. Balkema. Rotterdam.

Clouse, R. M., D. A. Janies and A. M. Kerr. 2003. Behavioural, ecological, morphological and mtDNA evidence to resurrect *Bobadschia bivittata* (Mitsukuri) from the *B. marmorata* (Jaeger) species complex [talk by RMC]. Page 574 in: Heinzeller, T. and J. H. Nebelsick, (eds.), *Echinoderms: München. Proceedings of the 11<sup>th</sup> International Echinoderm Conference.* A. A. Balkema. Rotterdam.

Flammang, P., D. Leclercq, P. Becker, D. Lanterbecq, I. Eeckhaut and A. M. Kerr. 2003. Estimation of the evolution of the Cuvierian tubules, defense organs in the family Holothuriidae by the character mapping method and by ultrastructural analyses [poster]. Page 578 in: Heinzeller, T. and J. H. Nebelsick, (eds.), *Echinoderms: München. Proceedings of the 11<sup>th</sup> International Echinoderm Conference.* A. A. Balkema. Rotterdam.

Pawson, D. L. and A. M. Kerr. 2001. Chitin in Echinoderms? Tentacle sheaths in the deep-sea holothurian *Ceraplectana trachyderma* (Holothuroidea: Molpadiida) [poster at North American Echinoderm Conference, University of Maine Darling Marine Center]. *Gulf of Mexico Science* 19: 192.

Kerr, A.M. 2000. Conceptual challenges of hurricane ecology [talk]. *Ninth International Coral Reef Symposium, Bali, Indonesia.*

Kerr, A.M. 1999. Evolution and systematics of Holothuroidea (Echinodermata) [talk]. *Joint Meeting of the Society for the Study of Evolution, American Society of Naturalists and Society of Systematic Biologists, University of Wisconsin at Madison.*

Kerr, A. M. 1998. Climate-mediated shifts in hurricane characteristics: large-scale ecological effects on coral reefs [poster]. *Third Annual STAR Graduate Fellowship Conference, U.S. Environmental Protection Agency, Wash. D.C.* (<http://es.epa.gov/ncer/fellow/progress/97/kerral00.html>)

Kerr, A. M. 1997. At least two major radiations of sea cucumbers (Echinodermata: Holothuroidea) onto coral reefs: evidence from mtDNA [poster]. *Eighth Annual New England Molecular and Evolutionary Biology Conference, Yale University.*

Kerr, A. M. 1992. Effects of typhoon-generated waves on windward and leeward assemblages of holothuroids [poster]. *Proceedings of the Seventh International Coral Reef Symposium, Guam* 1: 308.

*reviewer for* African Zoology, Cahiers de Biologie Marine, Canadian Journal of Zoology, Conservation Biology, Coral Reefs, Fisheries Science, Functional Ecology, Global Change Biology, International Journal of Remote Sensing, Journal of Arachnology, Journal of the Marine Biological Association U.K., Marine and Freshwater Research, Marine Biology, Malaysian Nature Journal, Marine Ecology Progress Series, Molecular Ecology, Micronesica, Nature, Palaeontologische Zeitschrift, Palaeontology, Proceedings of the Biological Society of Washington, Proceedings of the National Academy of Sciences U.S.A., Proceedings of the Royal Society B Biological Sciences, Proceedings of the [Seventh, Tenth and Eleventh] International Coral Reef Symposium, Proceedings of the Thirteenth International Echinoderm Conference, South Africa National Research Foundation, Systematic Biology, Systematics and Biodiversity, Thailand Natural History Museum Journal, U.S. National Science Foundation, Zoological Journal of the Linnean Society and Zootaxa.

*consulting* Commonwealth of the Northern Mariana Islands, Federated States of Micronesia (Kosrae, Pohnpei and Yap States), Geological Survey of Japan, Guana Island Wildlife Sanctuary (British Virgin Islands), International Union for the Conservation of Nature, National Wildlife Federation, Republic of Belau, Republic of Kiribati, Republic of Nauru, South Pacific Commission (New Caledonia), Territory of Guam, United States Navy, World Wildlife Fund

*refereed articles* Kerr, A. M., A. H. Baird and T. P. Hughes. 2010. Correlated evolution of sex and reproductive mode in corals (Anthozoa: Scleractinia). *Proceedings of the Royal Society B Biological Sciences* 277: In the press.

Feagin, R. A., N. Mukherjee, K. Shanker, A. H. Baird, J. Cinner, A. M. Kerr, N. Koedam, A. Sridhar, R. Arthur, L. P. Jayatissa, D. Lo Seen, M. Menon, S. Rodriguez, M. Shamsuddoha and F. Dahdouh-Guebas. 2010. Shelter from the storm? Use and misuse of coastal vegetation bioshields for managing natural disasters. *Conservation Letters* 3: 1-11.

Raymundo, L. J., A. R. Halford, A. P. Maypa and A. M. Kerr. 2009. Functionally diverse reef-fish communities ameliorate coral disease. *Proceedings of the National Academy of Sciences, U.S.A.* 106: 17067-17070.

Kerr, A. M., A. H. Baird, R. S. Bhalla and V. Srinivas. 2009. Reply to 'Using remote sensing to assess the protective role of coastal woody vegetation against tsunami waves'. *International Journal of Remote Sensing* 30: 3817-3820.

Konow, N., D. R. Bellwood, P. C. Wainright and A. M. Kerr. 2008. Novel jaw joints promote trophic diversity in coral reef fishes. *Biological Journal of the Linnean Society* 93: 545-555.

Baird, A. H. and A. M. Kerr. 2007. Landscape analysis and tsunami damage in Aceh: Comment on Iverson and Prasad. *Landscape Ecology* 23: 3-5.

Kerr, A. M. and A. H. Baird. 2007. Natural barriers to natural disasters. *BioScience* 57: 102-

103.

- Kerr, A. M., A. H. Baird and S. J. Campbell. 2006. Comments on "Coastal mangrove forests mitigated tsunami" by K. Kathiresan and N. Rajendran. *Estuarine, Coastal and Shelf Science* 67: 539-541.
- Kerr, A. M. 2005. Molecular and morphological supertree of stony corals (Anthozoa: Scleractinia). *Biological Reviews of the Cambridge Philosophical Society* 80: 543-558.
- Kerr, A. M., D. Janies, R. M. Clouse, Y. Samyn, J. Kuszak and J. Kim. 2005. Molecular phylogeny of coral-reef sea cucumbers (Holothuroidea: Aspidochirotida) based on 16S mt rDNA sequence. *Marine Biotechnology* 7: 53-60.
- Samyn, Y., W. Appeltans and A. M. Kerr. 2005. Phylogeny of *Labidodemas* and the Holothuriidae (Holothuroidea: Aspidochirotida) as inferred from morphology. *Zoological Journal of the Linnean Society* 144: 103-120.
- Clouse, R. M., D. A. Janies and A. M. Kerr. 2005. The resurrection of *Bobadschia bivittata* from the *B. marmorata* species complex of sea cucumbers (Holothuriidae) based on behavioural, morphological and mitochondrial DNA evidence. *Zoology* 108: 27-39.
- Kerr, A. M. 2005. Behavior of web-invading spiders *Argyrodes argentatus* (Theridiidae) in *Argiope appensa* (Araneidae) host webs, Guam, Mariana Islands, Micronesia. *Journal of Arachnology* 33: 1-10.
- Connell, J. H., T. J. Hughes, C. C. Wallace, J. E. Tanner, K. E. Harms and A. M. Kerr. 2004. A long-term study of competition and diversity of corals. *Ecological Monographs* 74: 179-210.
- Kerr, A. M. and A. S. Quenga. 2004. Population variation of web-invading spiders (Theridiidae: *Argyrodes* spp.) on host webs in Guam, Mariana Islands, Micronesia. *Journal of Natural History* 38: 671-680.
- Paulay, G. and A. M. Kerr. 2001. Patterns of coral reef development in Tarawa Atoll (Kiribati). *Bulletin of Marine Science* 69: 1191-1208.
- Kerr, A. M. and J. Kim. 2001. Phylogeny of Holothuroidea (Echinodermata) inferred from morphology. *Zoological Journal of the Linnean Society* 133: 63-81.
- Kerr, A. M. 2001. Phylogeny of apodan holothurians (Echinodermata) inferred from morphology. *Zoological Journal of the Linnean Society* 133: 53-62.
- Kerr, A. M. 2000. Defoliation of an island (Guam, Mariana Archipelago, Western Pacific Ocean) following a saltspray-laden "dry" typhoon. *Journal of Tropical Ecology* 16: 895-901.
- Kerr, A. M. 2000. Discussion of Hsu, S.A. and Yan, Z. 1998 "A note on the radius of maximum wind for hurricanes." *Journal of Coastal Research* 16: 494-495.
- Kerr, A. M. and J. Kim. 1999. Bi-deca-bi-pentaradial symmetry: A review of evolutionary and developmental trends in Holothuroidea (Echinodermata). *Journal of Experimental Zoology (Developmental and Molecular Evolution)* 285: 93-103.
- Kerr, A. M. 1994. Shallow-water holothuroids (Echinodermata) of Kosrae, Eastern Caroline Islands. *Pacific Science* 48: 161-174.
- Kerr, A. M., R. M. Yoon and E. M. Stoffell. 1993. Abundance distribution of holothuroids (Echinodermata: Holothuroidea) on a windward and leeward fringing reef, Guam, Mariana Islands. *Bulletin of Marine Science* 52: 780-791.
- Kerr, A. M. 1993. Unusually low frequency of stabilimenta in webs of *Argiope appensa* (Araneae: Araneidae) from the Mariana Islands: an indirect effect of an introduced avian predator? *Pacific Science* 47: 328-337.

- Kerr, A. M., D. R. Norris, P. J. Schupp, K. D. Meyer, T. J. Pitlik, D. R. Hopper, J. A. Chamberlain and L. S. Meyer. 1992. Range extensions of echinoderms (Asterozoa, Echinozoa, Holothurozoa) to Guam, Mariana Islands. *Micronesica* 25: 201-216.
- Kerr, A. M. 1991. Arachnids of the Ngerukewid Islands Wildlife Preserve, Palau. *Micronesica* 24: 211-215.
- Kerr, A. M. 1990. Chamorro fish names. *Micronesica* 23: 93-118.
- reports* Samyn, Y., A.M. Kerr, M. O'Loughlin, C. Massin, D.L. Pawson, F.W.E. Rowe, S. Smiley, F. Solis-Marin, A.S. Thandar, D. VandenSpiegel and G. Paulay. 2010. Using sea cucumbers to illustrate the basics of zoological nomenclature. *SPC Beche-de-mer Information Bulletin* 30: 33-40.
- Kerr, A. M. 2009. Adelbert von Chamisso's (in Kotzebue 1821) Vocabularium der Dialekte Chamori. *University of Guam Micronesia Area Research Center Working Paper* (unnumbered): 1-87.
- Kerr, A. M. 2008. A complete wordlist from *Y Santa Biblia* (1908) with example sentences in Chamorro and English. *University of Guam Micronesia Area Research Center Working Paper* (unnumbered): 1-547.
- Srinivas, V., A. H. Baird, A. M. Kerr and S. Ram. 2008. Coastal bio-shields and their putative role during large, weather-related disturbance events, pp. 87-100, in Bhalla, R.S., Ram, S., and V. Srinivas (eds.) *Studies on Vulnerability and Habitat Restoration along the Coromandel Coast*. Pondicherry, India: Foundation for Ecological Research, Advocacy and Learning, United Nations Development Program/United Nations Team for Recovery Support.
- Kerr, A. M., S. W. Kim and F. Michonneau. 2008. Shallow-water echinoderms of Kosrae. *University of Guam Marine Laboratory Technical Report* 123: 1-27.
- Kerr, A. M., K. H. Netchy and S. M. Hoffman. 2007. Shallow-water echinoderms of Yap. *University of Guam Marine Laboratory Technical Report* 121: 1-34.
- Kerr, A. M., T. Schils and L. Raulerson. 2007. The University of Guam Herbarium: Celebrating forty-five years of service. *University of Guam Herbarium Contribution* 39: 1-28.
- Kerr, A. M., K. H. Netchy and A. M. Gawel. 2006. Survey of the Shallow-Water Sea Cucumbers of the Central Philippines. *University of Guam Marine Laboratory Technical Report* 119: 1-51.
- Kerr, A. M. 2005. Coral-reef macroinvertebrates of the northern archipelago, Commonwealth of the Northern Mariana Islands. Report to the Chief Scientist, 2005 NOAA MARAMP Cruise.
- Smith, B. D., T. J. Donaldson, A. Edward and A. M. Kerr. 2005. Marine Biological Survey of Coral Reef Communities at Dekehtik (Takatik) Island for the Proposed Pohnpei Airport Runway Extension Project. *University of Guam Marine Laboratory Technical Report* 115: 1-131.
- Kerr, A. M. 1999. Shallow-water holothurians of Guana Island, British Virgin Islands. Report to the Director, Guana Island Wildlife Sanctuary, British Virgin Islands.
- Kerr, A. M. 1997. Shallow-water echinoderms of Guana Island, British Virgin Islands. Report to the Director, Guana Island Wildlife Sanctuary, British Virgin Islands.
- Paulay, G. and A. Kerr. 1995. Coral reefs and coral communities of Tarawa. In R. R. Abbott and J. Garcia (eds) *Management Plan for Tarawa Lagoon, Republic of Kiribati*. Volume III. Management Plan, pp. 1-25. Biosystems Analysis, Inc., Santa Cruz, California USA.

- Amesbury, S.S., P.R. Chirichetti, A.M. Kerr, J. Dutka-Gianelli, F. Rivera, P. Martinez, and S. Bauman. 1994. Andersen Air Force Base Marine Resources Preserve, baseline survey of marine resources, second survey, October 1993 February 1994. *University of Guam Marine Laboratory Environmental Survey Report 29*: 1-71.
- Amesbury, S.S., A.M. Kerr, P.R. Chirichetti, J. Dutka-Gianelli, C. Dayton, S. Wilkins, K. Sonoda, & B. Davidson. 1994. Tumon Bay comprehensive survey, November/December 1992 survey. *University of Guam Marine Laboratory Environmental Survey Report 28*: 1-86.
- Amesbury, S.S., P.R. Chirichetti, A.M. Kerr, B. Davidson, J. Dutka-Gianelli, & C. Dayton. 1993. Andersen Air Force Base Marine Resources Preserve, baseline survey of marine resources, first survey, May August 1993. *University of Guam Marine Laboratory Environmental Survey Report 27*: 1-61.
- Amesbury, S.S., J. Kerr, P. Chirichetti, A. Kerr, & D. Tibbetts. 1993. Tumon Bay comprehensive survey, August/September 1992 survey. *University of Guam Marine Laboratory Environmental Survey Report 26*: 1-59.
- Amesbury, S. S., R. T. Tsuda, R. H. Randall, A. M. Kerr and B. Smith. 1993. Biological communities in Tumon Bay, 1977-1991. *University of Guam Marine Laboratory Technical Report 99*: 1-111.
- Kerr, A. M. 1993. Shallow-water Holothuroids (Echinodermata) of Kosrae, Eastern Caroline Islands. Report to Marine Resources Division, Kosrae State Government, Federated States of Micronesia.
- Kerr, A. M. 1992. Macroinvertebrates of Sasan Lagu, Rota, Northern Mariana Islands. Report to Groom and Associates, Saipan, Commonwealth of the Northern Mariana Islands.
- Kerr, A. M. 1992. Flora and fauna of Macheche Substation, Guam. Report to R. W. Beck and Associates, Boulder, Colorado.
- Kerr, A. M. 1992. A new species of holothurian from Guam? *Beche de Mer Newsletter* (South Pacific Commission, Noumea, New Caledonia) 4: 17.
- Kerr, A. M. and B. D. Smith. 1992. Other macroinvertebrates. In S. S. Amesbury (ed), *Tumon Bay: Comprehensive Environmental Survey*. University of Guam Marine Laboratory Report to Department of Parks and Recreation, Territory of Guam USA.
- Kerr, A. M. and S. S. Amesbury. 1991. Fish survey of Laulau Bay, Saipan, August to September 1991. University of Guam Marine Laboratory Report to Natural Resources Division, Saipan, Commonwealth of the Northern Mariana Islands.
- Schupp, P. J. and A. M. Kerr. 1991. Fish survey of Laulau Bay, Saipan, October to November 1991. University of Guam Marine Laboratory Report to Natural Resources Division, Saipan, Commonwealth of the Northern Mariana Islands.
- Amesbury, S. S. and A. M. Kerr. 1991. Biological survey of university property. Marine Laboratory Report to Plant Management, University of Guam.
- Amesbury, S. S. and A. M. Kerr. 1991. Assessment of impacts of beach cleaning activities on beach fauna of Tumon Bay. Phase II: Effects of modifying beach cleaning procedures. University of Guam Marine Laboratory Report to Department of Parks and Recreation, Territory of Guam.
- Raulerson, L., A. Rhinehart, D. Carandang, A. M. Kerr and L. Quinata. 1990. A reconnaissance survey of the Hakmang Project Site, Saipan. *University of Guam Herbarium Contribution 8*: 1-64.
- Raulerson, L. and A. M. Kerr. 1990. Ylig subdivision, Guam. *University of Guam Herbarium*

*Contribution 1:* 1-24.

Raulerson, L., A. Rhinehart, A. M. Kerr and L. Quinata. 1990. A reconnaissance survey of the Mochong Site, Rota, Commonwealth of the Northern Mariana Islands. *University of Guam Herbarium Contribution* (unnumbered).

Kerr, A. M. 1989. Arachnids of the Ngerukewid Islands Wildlife Preserve. In C. E. Birkeland and H. I. Manner (eds.), *Resource Survey of Ngerukewid Islands Wildlife Preserve, Republic of Palau*, pp.149-154. A Report to the Government of Palau, World Wildlife Fund and the International Union for the Conservation of Nature. South Pacific Commission, Noumea, New Caledonia.

*book chapters* Kerr, A. M. *In the press*. Holothuroidea. Page numbers unassigned in K. de Queiroz, P. D. Cantino and J. A. Gauthier (eds.), *Phylonyms: A Companion to the PhyloCode*. Berkeley: University of California Press.

Kerr, A. M. 2003. Holothuroidea (Sea Cucumbers). Pages 417-431 in D. Thoney (ed.), *Grzimek's Animal Life Encyclopedia. Second Edition. Volume I. Lower Metazoans and Lesser Deuterostomes*. New York: Gale Group Publishers.

*theses* Kerr, A. M. 2000. *Evolution and Systematics of Holothuroidea (Echinodermata)*. Ph.D. Thesis, Department of Ecology and Evolutionary Biology, Yale University. Advisor: Junhyong Kim.

Kerr, A. M. 1994. *Effects of Disturbance to Holothuroid (Echinodermata) Community Structure*. M.Sc. Thesis, The Marine Laboratory, University of Guam. Advisor: Charles Birkeland.

*other publications* Kerr, A. M. 2010. Number of graphs with non-zero edge sets on an  $n \times n$  square grid for  $n=(1,2,3,\dots)$ . *The On-Line Encyclopedia of Integer Sequences*. <http://www.research.att.com/~njas/sequences/A172322>

Baird, A. H., R. S. Bhalla, A. M. Kerr, N. Pelkey and V. Srinivas. 2009. Are mangroves an effective natural barrier to storm surges or tsunamis? *Proceedings of the National Academy of Sciences, U.S.A.* 106: E111.

Baird, A. H. and Kerr, A. M. 2006. The dangerous myth of tsunami greenbelts. *Science* 314 (5798): 404 online reply.

Kerr, A. M. 2000. Holothuroidea. In D.R. Maddison and W. P. Maddison (ed.), *The Tree of Life Web Project: A multi-authored, distributed internet project containing information about phylogeny and biodiversity*. <http://tolweb.org/holothuroidea/>

*languages* English (mother tongue), Chamoru (spoken in Mariana Islands, Micronesia; conversant), French (reading), Spanish (reading)

*Erdős number* 4