

Author Index

- Aguon, C.M., *see* Paulino et al., pp. 233–244
- Bio, K. *see* Tuiwawa et al., pp. 123–130
- Buden, D. First records of dragonflies (Odonata) from the Republic of Nauru, pp. 227–232
- Chepurnov, V.A., *see* Schils et al., pp. 305–308
- Chivers, S.J., *see* Dalebout et al., pp. 139–147
- Coles, S., *see* Tsuda et al., pp. 245–252
- Concepcion, L.P., *see* Denton et al., pp. 149–167
- Dalebout, M.L., K.M. Robertson, S.J. Chivers & A. Samuels. DNA identification and the impact of illegal, unregulated, and unreported (IUU) fishing on rare whales in Micronesian waters, pp. 139–147
- Denton, G.R.W., M.H. Golabi, H. R. Wood, C. Iyekar, L.P. Concepcion & Y. Wen. Impact of Ordot dump on water quality of the Lonfit River basin in central Guam. 2. Aqueous chemical and biological contaminants, pp. 149–167
- Finlay, R.A.O., *see* Tsuda et al., pp. 245–252
- Fitzsimons, J.M., R.T. Nishimoto & J.E. Parham. Long-term ecological research and field methods for stream use decisions among oceanic islands of the tropical Pacific, pp. 87–100
- Franklin, J., G. Keppel & W. A. Whistler. The vegetation and flora of Lakeba, Nayau and Aiwa Islands, Central Lau Group, Fiji, pp. 169–225
- Golabi, M.H., *see* Denton et al., pp. 149–167
- Guinther, E.B., *see* Tsuda et al., pp. 245–252
- Harriss, F.L., *see* Tsuda et al., pp. 245–252
- Iyekar, C., *see* Denton et al., pp. 149–167
- Kinzie, R.A., III. Four decades of macroalgal stasis and change on an urban coral reef, pp. 101–122
- Kitalong, A. Forests of Palau: a long-term perspective, pp. 9–31
- Leon Guerrero, R.T., *see* Paulino et al., pp. 233–244
- Lobban, C.S. & M. Schefter. Freshwater biodiversity of Guam. 1. Introduction, with new records of ciliates and a heliozoan, pp. 253–273
- Lobban, C.S., K. Quiambao & T.S. Wood. Freshwater biodiversity of Guam. 2. First Micronesian record of *Plumatella bushnelli* Wood, 2001 (Bryozoa: Phylactolaemata), pp. 275–283
- Manner, H.I. Directions for long-term research in traditional agricultural systems of Micronesia and the Pacific Islands, pp. 63–86
- Morrison, C. & A. Naikatini. Herpetofauna and bat monitoring at three Fiji sites in the Pacific Asia Biodiversity Transect (PABITRA), pp. 131–137
- Mueller-Dombois, D. The evolution of the Pacific-Asia Biodiversity Transect Network (PABITRA) in the Pacific Science Association, pp. 1–7

- Naikatini, A. *see* Morrison, C. & A. Naikatini, pp. 131–137
- Nishimoto, R.T., *see* Fitzsimons et al., pp. 87–100
- Osborne, T., *see* Tuiwawa et al., pp. 123–130
- Parham, J.E., *see* Fitzsimons et al., pp. 87–100
- Paulino, Y.C., R.T. Leon Guerrero & C.M. Aguon. Nutrition analysis of a fiesta in Guam, pp. 233–244
- Quiambao, K., *see* Lobban et al., pp. 275–283
- Randall, J.E. Two new species and three new records of gobiid fishes from the Marshall Islands, pp. 285–303
- Robertson, K.M., *see* Dalebout et al., pp. 139–147
- Samuels, A. *see* Dalebout et al., pp. 139–147
- Schefter, M., *see* Lobban, C.S. & M. Schefter, pp. 253–273
- Schils, T., S.C. Wilson & V.A. Chepurnov. Diatom bloom associated with gorgonian mortality in the Gulf of Oman, northwestern Indian Ocean (Note), pp. 305–308
- Thaman, R.R. Atolls — the “biodiversity cool spots” vs hot spots: a critical new focus for research and conservation, pp. 33–61
- Tsuda, R.T., S. Coles, E.B. Guinther, R.A.O. Finlay & F.L. Harriss. *Acanthophora spicifera* (Rhodophyta: Rhodomelaceae) in the Marshall Islands: recent invader or long-time resident? pp. 245–252
- Tuiwawa, F., *see* Tuiwawa et al., pp. 123–130
- Tuiwawa, M., T. Osborne, K. Bio & F. Tuiwawa. Establishment of long-term vegetation monitoring plots in lowland and upland tropical rainforest, Fiji Islands, pp. 123–130
- Wen, Y., *see* Denton et al., pp. 149–167
- Wiles, G.J. Robert E. Beck, Jr. 1944–2008, pp. 309–310
- Wilson, S.C., *see* Schils et al., pp. 305–308
- Wood, H.R., *see* Denton et al., pp. 149–167
- Wood, T.S., *see* Lobban et al., pp. 275–283

Subject Index

- Agriculture, traditional, and agroforestry
 - on atolls, 40-43
 - ecological and cultural roles of plants on atolls, 43-48, 59-61
 - Palau, 19-20
 - traditional agricultural systems, 63-86
 - agroforestry, 66-67
 - backyard gardening, 69
 - definition, 64-65
 - disintensification, 75-77
 - intensification, 69-72
 - open field agriculture, 67
 - sustainability, 72-75
 - wetland cultivation, 68
- Algae, marine,
 - diatom bloom associated with octocoral mortality, Oman, 305-308
 - long-term changes in biomass on urban coral reef, Hawai'i, 101-122
 - origin of *Acanthophora spicifera* in Marshall Is., 245-252
- Atolls,
 - biodiversity research and conservation, 33-61
 - ecosystems, 40-43, 58
 - ethnobiodiversity, 39-40
 - geographic characteristics, 35-37
 - threatened species, atolls, 48-54
- Bats as indicators of forest tree diversity, Fiji, 131-137
- Biodiversity,
 - atolls, terrestrial and marine, 33-61
 - freshwater microbial biota and microinvertebrates, Guam, 253-273, 275-283
 - dragonflies and damselfly, Nauru, 227-232
 - ethnobiodiversity, 39-40
 - Pacific-Asia Biodiversity Transect (PABITRA) Network, 1-100, 123-137
 - photodocumentation of microbial eukaryotes, 265-267
 - terrestrial flora, Central Lau Group, Fiji, 169-225
- Birds, cockatoo, greater sulphur-crested, pest in Palau, 26
- Bryozoan record from Guam, 275-283
- Ciliates, freshwater records, Guam, 253-273
- Coral reefs,
 - macroalgal biomass, long-term study, 101-122
 - octocoral mortality and diatom bloom, 305-308
 - threatened biodiversity on atolls, 48-54

- Ethnobiobiodiversity, on atolls, 39-40, 43-48
- Fiji,
herpetofauna and bat monitoring, 131-137
rainforest monitoring, 123-130
vegetation and flora, Central Lau Group, 169-225
- Freshwater biota
bryozoan, Guam, 275-283
ciliates, Guam, 253-273
- Freshwater streams
chemical and biological contaminants from dump site, Guam, 149-167
long-term ecological research methods for management, restoration,
conservation, 87-100
stream classification by geomorphology, 91-93
- Frogs and other herpetofauna as indicators of riparian forest health, Fiji, 131-137
- Guam,
chemical and biological contaminants of Lonfit R. by Ordot Dump, 149-167
fiesta food intake, nutritional analysis, 233-244
freshwater ciliates, 253-273
freshwater bryozoan, 275-283
- Hawai'i
ahupua'a landscape model, 5
freshwater stream management, 87-100
marine algae, long-term changes on urban coral reef, 101-122
- Heliozoan record from Guam, 259
- Invasive species,
forest species, Palau, 25-26
Acanthophora spicifera in the Marshall Islands? 245-252
Gracilaria salicornia in Hawai'i, 117
- Linguistics,
fiesta food items, Guam, 233-244
Majuro (Marshall Is.) names of coastal plants of cultural value, 61
Nayau (Fiji) names of plants, 177-222
- Marshall Is.,
gobiid fishes, new species and records, 285-303
names of coastal plants of cultural value, Majuro, 61
origin of *Acanthophora spicifera*, 245-252
- Mesoplodon ginkgodens*, beaked whale, unregulated catch, 139-147
- Micronesia,
atoll biodiversity, 33-61
traditional agricultural systems, 63-86
whale harvest, 139-147
and see more specific place names

- Nauru,
 - dragonfly and damselfly records, 227-232
- New taxa:
 - Eviota partimacula* Randall, 287-293
 - Silhouettea capitlineta* Randall, 293-298
- Nutritional analysis,
 - fiesta food intake, Guam, 233-244
 - cultural themes, 239
 - dietary patterns, 242-243
- Obituary, Robert E. Beck, Jr., 309-310
- Octocoral mortality, Gulf of Oman, 305-308
- Odonata,
 - first records, Nauru, 227-232
- Oman,
 - diatom bloom associated with octocoral mortality, 305-308
- PABITRA (Pacific-Asia Biodiversity Transect Network)
 - atoll biodiversity monitoring, 33-61
 - concept, 2-4
 - forest monitoring, Palau, 9-31
 - herpetofauna and bat monitoring, 131-137
 - history, 1-2
 - long-term goals, 6-7
 - stream monitoring, 87-100
 - rainforest monitoring, Fiji, 123-130
 - performance record 1997-2007, 4-6
 - traditional agricultural systems monitoring, 63-86
 - transect system (map), 3
- Palau,
 - agroforestry and agriculture, 19-20
 - climate, 11
 - endemic forest species, 22-23
 - flowering and fruiting of forest trees, 23-
 - forests, long-term conservation perspective, 9-31
 - fruit morphology, native vs. endemic species, 24-25
 - geology, 11
 - invasive tree species, 25-26
 - limestone island forests, 18-19
 - lowland forest changes, 13-18
 - management recommendations, 26-27
 - mangroves, 21-22
 - paleoenvironment, 12
 - urban forest, 20-21

Pirate fishing, 139-147

Pisces

Eviota partimacula Randall, n. sp., 287-293

Silhouettea capitlineta Randall, n. sp., 293-298

Pollution,

of Lonfit River by Ordot Dump, Guam, 149-167

fecal indicator bacteria, 154, 156-158

inorganic nitrogen and phosphorus, 154, 159-162

metals, 154, 162-165

Terrestrial forests,

monitoring, Palau, 9-31

upland and lowland forests, Fiji, 123-130

vegetation communities, Fiji, 169-174

Undergraduate research

freshwater biodiversity, Guam 253-273

reef monitoring, Hawai'i, 101-122

Whales, illegal, unregulated, unreported fishing, 139-147