

## 2008 ANNUAL CONTRIBUTIONS

### Author Index

- 1) Ahmadi, G. Kawamura, and M. Vazquez Archdale (2008). True electrotaxis and threshold voltages in the American crayfish *Procambarus clarkii*. *J. Fish. Aquatic Sci.*, **3** (4): 228-239.
- 2) Ahmadi, G. Kawamura, and M. Vazquez Archdale (2008). Mechanisms of phototaxis in American crayfish, *Procambarus clarkii* (Girard, 1852) following different methods of trapping. *J. Fish. Aquatic Sci.*, **3** (6): 340-352.
- 3) Añasco, C. Nathaniel, J. Koyama, S. Imai, and K. Nakamura (2008). Toxicity of residual chlorines from hypochlorite-treated seawater to marine amphipod *Hyale barbicornis* and estuarine fish *Oryzias javanicus*. *Water Air Soil Pollut.*, **195**: 129-136.
- 4) Binh, N. T., M. Ishikawa, S. Yokoyama, F. R. Michael, K. Sakiyama, and S. Koshio (2008). Effects of polychaete meal supplementation to the maturation feed on kuruma shrimp (*Penaeus japonicus*) female broodstocks. *Aquaculture Sci.*, **56**: 523-530.
- 5) Cheikyula, J. Orkuma, J. Koyama, and S. Uno (2008). Comparative study of bioconcentration and EROD activity induction in the Japanese flounder, red sea bream, and Java medaka exposed to polycyclic aromatic hydrocarbons. *Environ. Toxicol.*, **23**: 354-362.
- 6) Cheikyula, J. Orkuma, J. Koyama, and S. Uno (2008). Bioaccumulation of dietary polycyclic aromatic hydrocarbons and EROD induction in the red sea bream and Java medaka. *Jpn. J. Environ. Toxicol.*, **11**: 99-115.
- 7) Cruz-Lacierda, E. R., V. L. Corre, Jr., A. Yamamoto, J. Koyama, and T. Matsuoka (2008). Current status on the use of chemicals and biological products and health management practices in aquaculture farms in the Philippines. *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 37-45.
- 8) del Castillo, C. S., Md. I. Wahid, T. Yoshikawa, and T. Sakata (2008). Isolation and inhibitory effect of anti-*Vibrio* substances from *Pseudoalteromonas* sp. A1-J11 isolated from the coastal sea water of Kagoshima Bay. *Fish. Sci.*, **74** (1): 174-179.
- 9) Fujieda, S., J. Ohtomi, M. Higashi, and A. Habano (2009). Distribution and actual condition of seabed litter in Kagoshima Bay. *Nippon Suisan Gakkaishi*, **75** (1): 19-27 (in Japanese).
- 10) Fujieda, S., M. Uchiyama, T. Azuma, R. Fukuda, and Y. Arita (2008). Ingestion case of plastics by black marlin *Makaira indica* and lancetfish *Alepisaurus ferox* caught in the East Indian Ocean. *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 47-48.
- 11) Fujiwara, Y., M. Kawato, T. Yamamoto, T. Yamanaka, W. Sato-Okoshi, C. Noda, S. Tsuchida, T. Komai, S. S. Cubelio, T. Sasaki, K. Jacobsen, K. Kubokawa, K. Fujikura, T. Maruyama, Y. Furushima, K. Okoshi, H. Miyake, M. Miyazaki, Y. Nogi, A. Yatabe, and T. Okutani (2007). Three-year investigations into sperm whale-fall ecosystems in Japan. *Mar. Ecol.*, **28**: 219-232.
- 12) Geduspan, J. S., T. Yoshikawa, and T. Sakata (2008). Molecular taxonomy and some aspects of the biology of mudclams in the Island of Guimaras, Philippines. *Mem. Fac. Fish. Kagoshima Univ.*, Special Issue, 34-39.
- 13) Hossain, M. Y., Z. F. Ahmed, J. Ohtomi, A. H. M. Ibrahim, M. A. H. El-kady, B. Fulanda, and S. K. Chakraborty (2008). Threatened fishes of the world: *Wallago attu* (Bloch and Schneider, 1801) (Siluriformes: Siluridae). *Environ. Biol. Fish.*, **82**: 277-278.
- 14) Hossain, M. Y., P. M. Leunda, J. Ohtomi, Z. F. Ahmed, J. Oscoz, and R. Miranda (2008). Biological aspects of the Ganges River Sprat *Corica soborna* (Hamilton, 1822) (Pisces: Clupeidae) in the Mathabanga River (SW Bangladesh). *Cybium*, **32** (3): 241-246.
- 15) Hossain, M. Y. and J. Ohtomi (2008). Reproductive biology of the southern rough shrimp *Trachysalambria curvirostris* (Penaeidae) in Kagoshima Bay, southern

- Japan. *J. Crust. Biol.*, **28** (4): 607-612.
- 16) Hossain, M. Y., M. M. Rahman, Z. F. Ahmed, J. Ohtomi, and A. B. M. S. Islam (2008). First record of the South American sailfin catfish *Pterygoplichthys multiradiatus* in Bangladesh. *J. Applied Ichthyol.*, **24** (6): 718-720.
- 17) Hossain, M. Y., M. M. Rahman, S. Jasmine, A. H. M. Ibrahim, Z. F. Ahmed, J. Ohtomi, M. A. H. El-Kady, and B. Fulanda (2008). Comparison studies on water quality and plankton production between perennial and non-perennial ponds in Bangladesh. *J. Fish. Aquat. Sci.*, **3** (3): 176-183.
- 18) Ikeda, K., T. Minami, H. Yamada, H. Tanaka, and J. Koyama (2008). Bioaccumulation of tributyltin and triphenyltin compounds through the food web in deep offshore water. *Coast. Mar. Sci.*, **32**: 102-107.
- 19) Inadome, T. and T. Yamamoto (2008). Distribution of bitterling species and their utilization of unionid mussels in North Satsuma region. *Nature of Kagoshima*, **34**: 1-4 (in Japanese).
- 20) Iqbal, K. M., H. Suzuki, J. Ohtomi, and Y. Masuda (2008). Batch fecundity of the Japanese silver-biddy *Gerres equulus* in the Yatsushiro Sea, Western Kyushu, Japan. *Aquaculture Sci.*, **56** (3): 409-413.
- 21) Ito, A., S. Kodama, Y. Inoue, and M. Goto (2008). Improvement on life span of the battery for a strobe light KG-6 and development of a stabilizing towing device for underwater photography. *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 11-17 (in Japanese).
- 22) Jugder, D., T. Batmunkh, N. Wang, G. Zhang, K. Kinoshita, N. Iino, A. Nishimachi, T. Nagamatsu, and H. Kikukawa (2007). Fixed-point camera observation of Asian dust in Northeast Asia and satellite imagery, in "4th Int. Workshop on Dust/Sand Storms". Ulaanbaatar, Mongolia.
- 23) Kakinoki, K., S. Imawaki, H. Uchida, H. Nakamura, K. Ichikawa, S. Umatani, A. Nishina, H. Ichikawa, and M. Wimbush (2008). Sea-surface dynamic height and geostrophic transport of the Kuroshio south of Japan estimated from inverted echo sounders. *J. Oceanogra.*, **64**: 373-384.
- 24) Kawai, H., M. Kamiya, T. Komatsu, M. Nakaoka, T. Yamamoto, and the Marine Life Research Group of Takeno (2007). Ten years' monitoring of intertidal macroalgal vegetation of Hyogo Prefecture, northwestern coast of Honshu, Japan to assess the impact of the Nakhodka oil spill. *Algae*, **22** (1): 37-44.
- 25) Kawai, K., T. Kobari, H. Manabe. and L. Zann (2008). Fisheries and marine environments in the coastal area in the island coexisting mangrove forest and coral reef – A case study at the village in Viti Levu Island, Republic of the Fiji Islands. *J. Island Stud.*, **7**: 1-16 (in Japanese with English abstract).
- 26) Kawamura, G., T. Naohara, Y. Tanaka, T. Nishi, and K. Anraku (2009). Near-ultraviolet radiation guides the emerged hatchlings of loggerhead turtle *Caretta caretta* (Linnaeus) to the sea at night. *Mar. Freshw. Behav. Phy.*, **42** (1): 19-30.
- 27) Kinoshita, K., T. Nagamatsu, N. Iino, N. Wang, G. Zhang, D. Jugder, and N. Otgonjargal (2008). Long term camera records of Asian dust events in eastern Asia during 2005-2008, in "Proc. CEReS International Symposium and SKYNET workshop on Remote Sensing of the Atmosphere for Better Understanding of Climate Change". November 13-14, Chiba, Japan, pp. 57-60.
- 28) Kishino, T., A. Shinomiya, and H. Kotobuki (2008). Survival rates of larval Ryukyu-ayu *Plecoglossus altivelis ryukyuensis* under differing experimental conditions of temperature and salinity. *Jap. J. Ichthyol.*, **55** (1): 1-8 (in Japanese).
- 29) Kobari, T., D. K. Steinberg, A. Ueda, A. Tsuda, M. W. Silver, and M. Kitamura (2008). Impacts of ontogenetically migrating copepods on downward carbon flux in the western subarctic Pacific Ocean. *Deep-Sea Res. II*, **55**: 1648-1660.
- 30) Kobari, T., M. Moku, and K. Takahashi (2008). Seasonal appearance of expatriated boreal copepods in the Oyashio-

- Kuroshio mixed region. *ICES J. Mar. Sci.*, **65**: 469-476.
- 31) Komatsu, M., T. Furukawa, R. Ikeda, S. Takumi, Q. Nong, K. Aoyama, S. Akiyama, D. Keppler, and T. Takeuchi (2007). Involvement of mitogen-activated protein kinase signaling pathways in microcystin-LR-induced apoptosis after its selective uptake mediated by OATP1B1 and OATP1B3. *Toxicol. Sci.*, **97**: 407-416.
- 32) Komilus, C. F., S. Koshio, M. Ishikawa, S. Yokoyama, N. Shichi, F. R. Michael, R. F. M. Traifalgar, Kyaw Kyaw, and A. Laining (2008). Comparative studies on physico-chemical properties of the muscle between wild and cultured red sea bream (*Pagrus major*) obtained in Kagoshima, Southern Japan. *Aquaculture Sci.*, **56**: 303-315.
- 33) Komilus, C. F., N. Shichi, S. Koshio, M. Ishikawa, S. Yokoyama, F. R. Michael, J. Gao, and C. Makita (2008). Influence of palm oil blended with fish oil on growth performances and lipid profiles of red sea bream *Pagrus major*. *Aquaculture Sci.*, **56**: 317-326.
- 34) Koyama, J., M. Kawamata, S. Imai, M. Fukunaga, S. Uno, and A. Kakuno (2008). Java medaka: a proposed new marine test fish for ecotoxicology. *Environ. Toxicol.*, **23**: 487-491.
- 35) Manabe, H., T. Kobari, K. Kawai, and L. Zann (2008). Ichthyofauna around coastal area coexisting mangrove forest and coral reef in Viti Levu Island, Fiji. *J. Island Stud.*, **7**: 17-26 (in Japanese with English abstract).
- 36) Manabe H., M. Matsuoka, K. Goto, K. Dewa, A. Shinomiya, M. Sakurai, and T. Sunobe (2008). Bi-directional sex change in the gobiid fish *Trimma* sp.: does size-advantage exist? *Behaviour*, **145** (1): 99-113.
- 37) Maruyama, T., Y. Furushima, K. Okoshi, H. Miyake, M. Miyazaki, Y. Nogi, A. Yatabe, and T. Okutani (2007). Three-year investigations into sperm whale-fall ecosystems in Japan. *Mar. Ecol.*, **28**: 219-232
- 38) Michael, F.R. and S. Koshio (2008). Biochemical studies on the interactive effects of dietary choline and inositol in juvenile Kuruma shrimp, *Marsupenaeus japonicus* Bate. *Aquaculture*, **285**: 179-183.
- 39) Moe Thu, S. Koshio, M. Ishikawa, and S. Yokoyama (2009). Effects of dietary bamboo charcoal on growth parameters, apparent digestibility and ammonia nitrogen excretion of Tiger puffer fish, *Takifugu rubripes*. *Aquaculture Sci.*, **57**: 53-60.
- 40) Nakahata, K., J. Ohtomi, and N. Nagai (2008). Distribution and population structure of the deep-water pandalid shrimp *Plesionika semilaevis* in Kagoshima Bay, southern Japan. *Nippon Suisan Gakkaishi*, **74** (3): 395-401 (in Japanese).
- 41) Nakamura, K. (2008). Individuality of locomotion habits in the small abalone *Sulculus aquatilis* (Reeve). *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 19-23.
- 42) Nakamura, K., Y. Hayashi, and K. Yoshitake (2008). Survival rates of fishes exposed to diluted seawater I. The characteristic curves of the adult killifish and young red sea bream. *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 25-28.
- 43) Nakamura, H., A. Nishina, H. Ichikawa, M. Nonaka, and H. Sasaki (2008). Deep countercurrent beneath the Kuroshio in the Okinawa Trough of the East China Sea. *J. Geophys. Res.*, **113**, C06030, doi:10.1029/2007JC004574.
- 44) Nong, Q., M. Komatsu, K. Izumo, H. P. Indo, B. Xu, K. Aoyama, H. J. Majima, M. Horiuchi, K. Morimoto, and T. Takeuchi (2007). Involvement of reactive oxygen species in microcystin-LR-induced cytogenotoxicity. *Free Radical Res.*, **41**: 1326-1337.
- 45) Ohtomi, J. (2008). Aquatic organisms and their environment in sandy tidal flat of a semi-enclosed bay: a comparative study to open sandy shores. *Nippon Suisan Gakkaishi*, **74** (5): 926-927 (in Japanese).
- 46) Okuda, T., T. Noda, T. Yamamoto, M. Hori, and M. Nakaoka (2008). Latitudinal gradients in species richness in assemblages of sessile animals in rocky intertidal zone: mechanisms determining scale-dependent variability. *J. Anim. Ecol.*, **78** (2): 328-337.

- 47) Owatari, S., S. Akune, M. Komatsu, R. Ikeda, S. D. Firth, X. Che, M. Yamamoto, K. Tsujikawa, M. Kitazono, T. Ishizuka, T. Takeuchi, T. Aikou, J. F. B. Mercer, S. Akiyama, and T. Furukawa (2007). Copper-transporting P-type ATPase, ATP7A, confers multidrug resistance and its expression is related to resistance to SN-38 in clinical colon cancer. *Cancer Res.*, **67**: 4860-4868.
- 48) Ren, T., S. Koshio, S. Teshima, M. Ishikawa, A. Panganiban Jr., O. Uyan, and M. S. Alam (2008). Effectiveness of L-ascorbyl-2-monophosphate Na-Ca as vitamin C source for yellowtail *Seriola quinqueradiata* juveniles. *Aquacult. Nutri.*, **14**: 416-422.
- 49) Romero, M. L. J., T. Lirdwitayaprasit, Y. Kotaki, N. Lundholm, J. Relox Jr, E. F. Furio, R. Terada, T. Yokoyama, M. Kodama, and Y. Fukuyo (2008). Isolation of ASP toxin-producing *Nitzschia* from Thailand. *Mar. Res. Indones.*, **33**: 225-228.
- 50) Sakata, T., C. S. del Castillo, T. Yoshikawa, and M. Hashimoto (2008). Chemical structures of quinolinol compounds produced by Marine *Pseudoalteromonas* sp. A1-J11. *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 29-35.
- 51) Shah, M. M. R., M. Y. Hossain, M. Begum, Z. F. Ahmed, J. Ohtomi, M. M. Rahman, M. J. Alam, M. A. Islam, and B. Fulanda (2008). Seasonal variations of phytoplanktonic community structure and production in relation to environmental factors of the southwest coastal waters of Bangladesh. *J. Fish. Aquat. Sci.*, **3** (2): 102-113.
- 52) Shigehiro, R., Y. Hashizume, and T. Tone (2007). Evaluation method of course stability by means of slewing motion in a towed condition. *Journal of the Japan Society of Naval Architects and Ocean Engineers*, **6**: 121-129
- 53) Shih, H.-T. and H. Suzuki (2008). Taxonomy, phylogeny, and biogeography of the endemic mudflat crab *Helice/Chasmagnathus* complex (Crustacea: Brachyura: Varunidae) from East Asia. *Zool. Stud.*, **47** (1): 114-125.
- 54) Shimabukuro, H., R. Terada, T. Noro, and T. Yoshida (2008). Taxonomic study of two *Sargassum* species (Fucales, Phaeophyceae) from the Ryukyu Islands, southern Japan: *Sargassum ryukyuense* sp. nov. and *Sargassum pinnatifidum* Harvey. *Bot. Mar.*, **51** (1): 26-33.
- 55) Shindo, T. and J. Shindo (2009). Safety and assurance of food in facilities of institutional meal service (1) –research on the actual condition in the management of food materials–. *Bull. of Kagoshima Junshin Junior College*, **39**: 103-120 (in Japanese).
- 56) Shindo, T. and J. Shindo (2009). Safety and assurance of food in facilities of institutional meal service (2) – research on the awareness of food materials procurement by the management director of food services–. *Bull. of Kagoshima Junshin Junior College*, **39**: 121-140 (in Japanese).
- 57) Steinberg, D. K., B. A. S. Van Mooy, K. O. Buesseler, P. W. Boyd, T. Kobari, and D. M. Karl (2008). Bacterial vs. zooplankton control of sinking particle flux in the ocean's twilight zone. *Limnol. Oceanogr.*, **53**: 1327-1338.
- 58) Steinberg, D. K., J. S. Cope, S. E. Wilson, and T. Kobari (2008). A comparison of mesopelagic mesozooplankton community structure in the subtropical and subarctic North Pacific Ocean. *Deep-Sea Res. II*, **55**: 1615–1635.
- 59) Suda, Y., J. Ohtomi, and Y. Hayakawa (2008). Aquatic organisms and their environment in open sandy shores -A case study on sandy beach ecology in Fukiagehama, southern Japan-. *Nippon Suisan Gakkaishi*, **74** (5): 919 (in Japanese).
- 60) Suzuki, H., Y. Fujita, J. Kumisaka, M. Nagae, and T. Matsuoka (2008). New records of three rare crabs in Amami-ohshima Island. *CANCER*, **17**: 5-7 (in Japanese).
- 61) Suzuki, Y., T. Suzuki, Y. Sagishu, T. Mekata, T. Kono, S. Koshio, S. Yokoyama, M. Sakai, and T. Itami (2008). Mating test of kuruma shrimp in a closed recirculating system including foam separation, nitrification and denitrification units. *Aquaculture Sci.*, **56**: 479-485 (in Japanese).
- 62) Tamaki, H., T. Tanaka, H. Aratake, M. Watanabe, S.

- Matsumoto, T. Yamamoto, K. Aioi, and S. Arai (2007). The southernmost regions for the perennial and annual eelgrass habitats in Japan. *Jap. J. Phycol.*, **55**: 1-6 (in Japanese).
- 63) Taoka, Y., K. Yuge, H. Maeda, and S. Koshio (2008). The efficiency of *Lactobacillus plantarum* in diet for juvenile Japanese flounder *Paralichthys olivaceus* reared in a closed recirculating system. *Aquaculture Sci.*, **56**: 193-202.
- 64) Terada, R., T. Tanaka, S. Yoshimitsu, and H. Shimabukuro (2008). 5th Workshop on the taxonomy of subtropical species of genus *Sargassum*. *Jpn. J. Phycol.*, **56**: 148-149 (in Japanese).
- 65) Terada, R., T. Yoshida, S. Arai, and N. Murase (2008). Distribution and type locality of *Coccophora lanngsdorfii* (Turner) Greville (Fucales, Phaeophyceae): On the distribution in the Suo-Nada, Seto Inland Sea, as the southernmost distributional limit in Japan. *Jpn. J. Phycol.*, **56**: 17-21 (in Japanese).
- 66) Ueda, A., T. Kobari, and D. K. Steinberg (2008). Body length, weight and chemical composition of the ontogenetically migrating copepods in the Western Subarctic Gyre of North Pacific Ocean. *Bull. Plankton Soc. Japan*, **55**: 107-114 (in Japanese with English abstract).
- 67) Uno, S., E. Kokushi, and J. Koyama (2008). 1H-NMR metabolomics evaluation on pollutants using fish plasma. *Jpn. J. Environ. Toxicol.*, **11**: 63-67 (in Japanese).
- 68) Uno, S., E. Kokushi, and J. Koyama (2008). Toxicological effects of heavy oil on carp by NMR-based metabolic profiling of plasma, in "Interdisciplinary Studies on Environmental Chemistry—Biological Responses to Chemical Pollutants" (ed. by Murakami, Y., K. Nakayama, S.-I. Kitamura, H. Iwata, and S. Tanabe). TERRAPUB, pp. 281–289.
- 69) Vazquez Archdale M., C. P. Añasco, and Y. Tahara (2008). Catches of swimming crabs using fish mince in "teabags" compared to conventional fish baits in collapsible pots. *Fish. Res.*, **91**: 291-298.
- 70) Vazquez Archdale M and Y. Inoue (2008). Historical development of the "Almadraba" set-net fishery in Southern Spain. *Teichi*, **114**: 21-29 (in Japanese).
- 71) Vazquez Archdale M. (2009). Invasive swimming crabs: Development of eradicating trapping gear and methods, in "Invasive Species: Detection, Impact and Control" (ed. by Wilcox C. P. and R. B. Turpin). Nova Science Publishers, New York.
- 72) Wahid, Md. I., T. Yoshikawa, and T. Sakata (2007). Bacteriolytic activity and growth of marine isolates of labyrinthulids on dead bacterial cells. *Fish. Sci.*, **73** (6): 1286-1294.
- 73) Wahid, Md. I., S. R. Bitoon, T. Fukunaga, T. Yoshikawa, and T. Sakata (2008). Comparative study of leucine aminopeptidases from marine labyrinthulid and thraustochytrid strains. *Mem. Fac. Fish. Kagoshima Univ.*, Special Issue, 34-39.
- 74) Wahid, Md. I., T. Yoshikawa, and T. Sakata (2008). Purification and characterization of leucine aminopeptidase from marine labyrinthulid strain 00-Bat-05. *Aquaculture Sci.*, **56** (1), 1-8.
- 75) Wambiji, N., J. Ohtomi, B. Fulanda, E. Kimani, N. Kulundu, and M. Y. Hossain (2008). Morphometric relationship and condition factor of *Siganus stellatus*, *S. canaliculatus* and *S. sutor* (Pisces: Siganidae) from the western Indian Ocean waters. *South Pacific Studies*, **29** (1): 1-15.
- 76) Wei, Q. and T. Nagamatsu (2008). Study on principal particulars of a fishing vessel with the maximum fishery profit by genetic algorithms. *Mem. Fac. Fish. Kagoshima Univ.*, **57**: 1-10 (in Japanese).
- 77) Yamamoto, T., N. Sabetto, and Y. Fujiwara (2008). Succession of whale-carcass community and spatial extent of its impact. *Kaiyo Monthly*, **40** (4): 242-250 (in Japanese).
- 78) Yamamoto, A. and T. Maegawa (2008). Phage typing of *Edwardsiella tarda* from eel farm and diseased eel. *Aquaculture Sci.*, **56** (4): 611-612 (in Japanese).

- 79) Yamamoto, A. (2008). Bacterial diseases in salmonid and freshwater fishes, in “Gyobyougaku Gairon, revised edition” (ed. by Ogawa, K and K. Muroga). Kouseisha Kouseikaku, Tokyo, pp. 60-66 (in Japanese).
- 80) Yoneyama, K., G. Kawamura, and Y. Horikiri (2008). Conspecific transfer of hook-avoidance learning: effect of total RNA injection from experienced brain to naïve specimens – A preliminary study. *Aquaculture Sci.*, **56** (4): 543-549 (in Japanese).
- 81) Yoshikawa, T., M. Nakahara, A. Tabata, S. Kokumai, G. Furusawa, and T. Sakata (2008). Characterization and expression of *Saprospira* cytoplasmic fibril protein (*SCFP*) gene from algicidal *Saprospira* spp. strains. *Fish. Sci.*, **74** (5), 1109-1117.