

2011 ANNUAL CONTRIBUTIONS

Author Index

- 1) Ahamed, F. and J. Ohtomi (2011). Reproductive biology of the pandalid shrimp *Plesionika izumiae* (Decapoda: Caridea). *J. Crust. Biol.*, **31**(3): 441-449.
- 2) Cruz-Lacierda Erlinda, A. Yamamoto and K. Nagasawa (2011). Seasonal occurrence of *Caligus spinosus* and *Parabrachiella seriola* (Copepoda) parasitic on cage-cultured yellowtail (*Seriola quinqueradiata*) at a fish farm in Western Japan. *Bull. Eur. Assoc. Fish Pathologists*, **31**(2):56-63.
- 3) Fujieda, S. (2011). Drifting and grounding of plastic pipes used in oyster farming in the Seto Inland Sea. *Nippon Suisan Gakkaishi*, **77**(1): 23-30 (in Japanese).
- 4) Fujieda, S. (2011). Small plastic marine debris in the Seto Inland Sea. *J. Coastal Zone Studies*, **24**(1): 57-65 (in Japanese).
- 5) Fulanda, B. and J. Ohtomi (2011). Determination of effective tow duration for estimation of fish and shellfish abundance in deeper-water bottom trawl surveys. *Fish. Sci.*, **77**(4): 487-495.
- 6) Fulanda, B. and J. Ohtomi (2011). Effect of tow duration on estimations of CPUE and abundance of the grenadier *Coelorinchus jordani* (Gadiformes, Macrouridae). *Fish. Res.*, **110**(2): 298-304.
- 7) Fulanda B., J. Ohtomi, E. Mueni and E. Kimani (2011). Fishery trends, resource-use and management system in the Ungwana Bay fishery Kenya. *Ocean & Coastal Management*, **54**(5): 401-414.
- 8) Haga, Y., S.-J. Du, S. Satoh, T. Kotani, H. Fushimi, and T. Takeuchi (2011). Analysis of mechanism of skeletal deformity in fish larvae using vitamin A-induced bone deformity model. *Aquaculture*, **315**: 26-33.
- 9) Kadota M., E. J. White, S. Torisawa, K. Komeyama, and T. Takagi (2011). Employing Relative Entropy Techniques for Assessing Modifications in Animal Behavior. *PLoS ONE*, **6**: e28241.
- 10) Kadota, M., S. Torisawa, T. Takagi, K. Komeyama, and H. Fukuda (2011). Analysis of juvenile tuna movements as correlated random walk. *Japan. Fish. Sci.*, **77**: 993-998.
- 11) Kato, S., M. Kihira, Y. Kobayashi, H. Yagita and H. Maeda (2011). Tentative estimation of CO2 reduction amount from BDF-processing at Iga-city. *J. Environ. Conserv. Eng.*, **40**: 553-558 (in Japanese).
- 12) Kawai, H., R. Terada, N. Murase, G. Yoshida, A. Kurashima and M. Kamiya (2011) Algal bed monitoring sites in Yura, Awaji Island and Takeno. *Aquabiology*, **33**: 306-314. (in Japanese)
- 13) Kawai, K., S. Kuwahara, R. Terada, S. Tominaga, S. Noda and S. Nagashima (2011). Influence of environmental changes on the Micronesian region: Case study in islands of Yap State, Federated States of Micronesia. *South Pacific Studies*, **31**: 57-70.
- 14) Kobari, T., K. Hijiya, M. Minowa, and M. Kitamura (2011). Depth distribution, biomass and taxonomic composition of subtropical microbial community in southwestern Japan. *South Pac. Studies*, **32**: 31-43.
- 15) Kokushi, E., S. Uno, and J. Koyama (2011). Assessing the Effects of Starvation on freshwater Carp, *Cyprinus carpio* L., by 1H-NMR Metabolomics Appr. *Nippon Suisan Gakkaishi*, **77**(1): 75-83 (in Japanese).
- 16) Komeyama, K., M. Kadota, S. Torisawa, K. Suzuki, T. Tsuda, and T. Takagi (2011). Measuring the swimming behaviour of a cultivated pacific bluefin tuna in a submerged aquaculture net cage. *Aquat. Living Resour.*, **24**: 99-105.
- 17) Komeyama, K., T. Takagi, S. Torisawa, K. Suzuki, Y. Tsuda, S. Asaumi and T. Kobayashi (2011). Measuring the swimming behaviour of a cultivated pacific bluefin tuna in an aquaculture net cage. *Proceedings of French-Japanese*

Symposium Kinki Ifremer 2010, 136-137.

- 18) Kunimune, Y., Y. Mitsunaga, K. Komeyama, M. Matsuda, K. Kobayashi, T. Takagi, and T. Yamane (2011). Seasonal distribution of adult crucian carp *nigorobuna* *Carassius auratus* and gongorobuna *Carassius cuvieri* in Lake Biwa, *Japan. Fish. Sci.*, **77**: 521-532.
- 19) Konno K., K. Imamura, and C. Yuan (2011). Myosin denaturation and cross-linking in alaska pollack salted surimi during its preheating process as affected by temperature, *Food Sci Technol Res* **17**(5): 423-428.
- 20) Kotani, T., and H. Fushimi (2011). Determination of the appropriate feeding schedule in finfish larviculture, relating to diurnal feeding rhythm. *Aquaculture*, **315**: 104-113.
- 21) Kotani, T., M. Yokota, H. Fushimi, and S. Watanabe (2011). How to determine the appropriate mortality in experimental larval rearing? *Fisheries Science*, **77**: 255-261.
- 22) Kotani, T., Y. Wakiyama, T. Imoto, and H. Fushimi (2011). Improved larviculture of ocellate puffer *Takifugu rubripes* through control of stocking density. *Aquaculture*, **312**: 95-101.
- 23) Laurence, M., J. Romero, Y. Kotaki, N. Lundholm, H. Thoha, H. Ogawa, J. R. Reloxa, R. Terada, S. Takeda, Y. Takata, K. Haraguchi, T. Endo, P. T. Lim, M. Kodama and Y. Fukuyo (2011). Unique amnesic shellfish toxin composition found in the South East Asian diatom *Nitzschia navis-varingica*. *Harmful Algae*, **10**: 456-462.
- 24) Lideman, G. N. Nishihara, T. Noro and R. Terada (2011). *In vitro* growth and photosynthesis of three edible seaweeds, *Betaphycus gelatinus*, *Eucheuma serra* and *Meristotheca papulosa*, (Solieriaceae, Rhodophyta). *Aquaculture Science*, **59**: 563-571.
- 25) Minowa, M., T. Kobari, Y. Akamatsu, T. Ichikawa, R. Fukuda, and Masataka Higashi (2011). Seasonal changes in abundance, biomass and depth distribution of mesozooplankton community in Kagoshima Bay. *Bull. Jap. Soc. Fish. Oceanogr.*, **75**: 71-81.
- 26) Nagamatsu T., H. Nakamura, T. Nohoto, and S. Nakao (2011). Flow visualization of an artificial upwelling induced by various shapes of marine structure installed on the seabed. *Mem. Fac. Fish. Kagoshima Univ.*, **60**:25-32.
- 27) Nagkanaga, K., Y. Hoshino, Y. Hattori, A. Yamamoto, S. Wada, K. Hatai, M. Makino, N. Ishii (2011). Mycobacterium pseudoshottsii isolated from 24 farmed fishes in western Japan, *J. Vet. Med. Sci.*, **74**(2):275-278.
- 28) Nakano M., M.Kihira, S. Iehata, R. Tanaka, H. Maeda and T. Yoshikawa(2011), Wax ester-like compounds as biosurfactant produced by *Dietzia maris* from n-alkane as a sole carbon source. *J. Basic Microbiol.*, **51**: 1-9.
- 29) Nishihara, G. N. and R. Terada (2011). Examining the diversity maxima of marine macrophytes and their relationship with a continuous environmental stress gradient in the Northern Ryukyu Archipelago. *Ecological Research*, **26**: 1051-1063.
- 30) Nishihara, G. N., R. Terada, and H. Shimabukuro (2011). The effects of wave energy on the residence times of a fluorescent tracer in the canopy of the intertidal marine macroalgae, *Sargassum fusiforme* (Phaeophyta). *Phycological Research*, **59**: 24-33.
- 31) Niwa, N., A. Yamamoto, K. Araki, T. Kamaishi and A. Shinomiya (2011). Microsporidian infection in Ryukyu Ayu *Plecoglossus altivelis ryukyensis* on Amami Oshima island. *Fish Pathol.*, **46**(3): 80-86. (in Japanese)
- 32) Ohtomi, J. (2011). Crustaceans (Mantis shrimp) In "Tokyo Bay", Kouseisha Kouseikaku, Tokyo, 144-148 (in Japanese).
- 33) Ohtomi, J. (2011). Edible fishes and shellfishes of Kyushu, southern Japan. Nanpou Shinsha, Kagoshima. (in Japanese).
- 34) Ohtomi, J. (2011). Report on extension lecture "Adventure with parents and children in sea of Kagoshima 2011". Kagoshima University Research and Education Center for Lifelong Learning Annual Report, **8**: 32-36 (in Japanese).

- 35) Pal, S., E. Kokushi, J. O. Cheikyula, J. Koyama and Seiichi Uno(2011). Histopathological effects and EROD induction in common carp exposed to dietary heavy oil. *Ecotoxicology and Environmental Safety*, **74**(3): 307-314.
- 36) Takaya, M., T. Yamashiro, K. Jyomoto, H. Nakamura, M. Uchiyama, R. Fukuda, and A. Nishina (2011). Characteristics of oceanic water inflow into Kagoshima Bay during winter-mixing period. *Journal of JSCE (B3)*, **67**: 715-720.
- 37) Terada, R. (2011). A review of a long-term survey for seaweed / seagrass communities in Japan. *Aquabiology*, **33**: 291-297. (in Japanese)
- 38) Terada, R. (2011). Long-term survey for seaweed community by Nation-wide survey "Monitoring Site 1000." *Jpn. J. Phycol.*, **59**: 93-96. (in Japanese)
- 39) Toda, H., K. Araki, T. Moritomo and T. Nakanishi (2011). Perforin-dependent cytotoxic mechanism in killing by CD8 positive T cells in ginbuna crucian carp, *Carassius auratus langsdorfii*. *Dev. Comp. Immunol.*, **35**(1): 88-93.
- 40) Toda, H., Y. Saito, T. Koike, F. Takizawa, K. Araki, T. Yabu, T. Somamoto, H. Suetake, Y. Suzuki, M. Ototake, T. Moritomo and T. Nakanishi (2011). Conservation of characteristics and functions of CD4 positive lymphocytes in a teleost fish. *Dev. Comp. Immunol.*, **35**(6): 650-660.
- 41) Tsuchiya, Y., Y. Sakaguchi, and R. Terada (2011). Phenology and environmental characteristics of four Sargassum species (Fucales): *S. piluliferum*, *S. patens*, *S. crispifolium*, and *S. alternato-pinnatum* from Sakurajima, Kagoshima Bay, southern. *Jpn J. Phycol.*, **59**: 1-8. (in Japanese)
- 42) Tsutsui, S., Y. Komatsu, T. Sugiura, K. Araki and O. Nakamura (2011). A unique epidermal mucus lectin identified from catfish (*Silurus asotus*): First evidence of intelectin in fish skin slime. *J. Biochem.*, **150**(5): 501-514.
- 43) Uno, S., M. Murakami, E. Kokushi and J. Koyama(2011). Interspecies differences in the accumulation of tributyltin and its metabolites under dietary exposure in sea perch, *Lateolabrax japonicus* and red sea bream, *Pagrus major*. *Environmental Toxicology*, **26**(1): 29-36.
- 44) Uno, T., S. Kaji, T. Gotoh, H. Imaishi, M. Nakamura, K. Kanamaru, H. Yamagata, Y. Kaminishi and T. Itakura (2011). Metabolism of the herbicides chlorotoluron, diuron, linuron, simazine, and atrazine by CYP1A9 and CYP1C1 from Japanese eel (*Anguilla japonica*). *Pestic. Biochem. Phys.*, **101**: 93-102.
- 45) Uno, S., H. Tanaka, S. Miki, E. Kokushi, K. Ito, M. Yamamoto and J. Koyama (2011). Bioaccumulation of nitroarenes in bivalves at Osaka Bay, Japan. *Marine Pollution Bulletin*, **63**(5-12), 477-481.
- 46) Yabu, T., H. Toda, Y. Shibasaki, K. Araki, M. Yamashita, H. Anzai, N. Mano, Y. Masuhiro, S. Hanazawa, H. Shiba, T. Moritomo and T. Nakanishi (2011). Antiviral protection mechanisms mediated by ginbuna crucian carp interferon gamma isoforms 1 and 2 through two distinct interferon gamma receptors. *J. Biochem.*, **150**(6): 635-648.
- 47) Yuan C., X. Wang, S. Chen, Y. Qu, and K. Konno (2011). Structural stability of myosin rod from silver carp as affected by season, *Journal of Food Science*, **76**(5): 686-693.
- 48) Yúfera, M., L. E.C. Conceição, S. Battaglene, H. Fushimi, and T. Kotani (2011). Early development and metabolism, in "M. Pavlidis, and C. Mylonas, eds. *Sparidae: Biology and aquaculture of gilthead sea bream and other species*". A John Wiley & Sons, Ltd., Publication, West Sussex, pp. 133-168.