

2010 ANNUAL CONTRIBUTIONS

Author Index

- 1) Añasco, N. C., J. Koyama, and S. Uno (2010). Pesticide Residues in Coastal Waters Affected by Rice Paddy Effluents Temporarily Stored in a Wastewater Reservoir in Southern Japan. *Archiv. Environ. Contam. Toxicol.*, **58**: 352-360
- 2) Añasco, N. C., S. Uno, J. Koyama, T. Matsuoka, and N. Kuwahara (2010). Assessment of Pesticide Residues in Freshwater Areas Affected by Rice Paddy Effluents in Southern Japan. *Environ. Monit. Assess.*, **160**, 371-383.
- 3) Doi Y., T. Kobari, K. Fukumori, Y. Nishibe and S. Nakano (2010). Trophic niche breadth variability differs among three Neocalanus species in the subarctic Pacific Ocean. *J. Plankton Res.*, **32**: 1733–1737.
- 4) Ebata, K., M. Takemoto, and K. Anraku (2010). Attractiv effect of Shochu waste stillage as bait for catching octopus *Octopus vulgaris* with pot. Jpan, *J. Taste Smell Res.*, **17**: 495-498 (in Japanese).
- 5) Ebata, K., T. Ito, A. Higashi, S. Saisho, A. Shiomitsu, T. Ikeda, R. Suenaga, and T. Ueno (2010). Investigation of the entrance size of octopus spawning pot by tank experiment and field survey. *J. Civil Engin. Ocean*, **26**: 603-608 (in Japanese).
- 6) Fujieda, S. (2010). Distribution of litter scattered along thirteen rivers flowing into the Seto Inland Sea. *J. of Coastal Zone Studies*, **23**(1): 35-46.
- 7) Fujieda, S. (2010). Distribution of small plastic marine debris grounded on the beach of Ise Bay. *J. Driftological Soc.*, **8**: 1-6.
- 8) Fujieda, S., A. Hoshika, E. Hashimoto, S. Sasakura, T. Shimizu, and M. Okumura (2010). Budget of marine litter in the Seto Inland Sea. *J. of Coastal Zone Studies*, **22**(4): 17-29.
- 9) Fushimi, H., I. Akiyama, T. Kotani, and A. Miyashima (2010). Scope of application of rotifers in the feeding system for finfish larvae. *Yoshoku*, **47** (12): 25-28 (in Japanese).
- 10) Haraguchi, K., Y. Kotaki, J. Relox, M. Romero, and R. Terada (2010). Monitoring of Naturally Produced Brominated Phenoxyphenols and Phenoxyanisoles in Aquatic Plants from the Philippines. *J. Agri. and Food Chemist.* **58**: 12385-12391.
- 11) Hirashima, M., K. Tsuda, T. Hamada, H. Okamura, T. Furukawa, S. Akiyama, Y. Tajitsu, R. Ikeda, M. Komatsu, M. Doe, Y. Morimoto, M. Shiro, R.W.M. van Soest, K. Takemura, and T. Iwagawa (2010). Cytotoxic Isomalabaricane Derivatives and a Monocyclic Triterpene Glycoside from the Sponge *Rhabdastrella globostellata*. *Journal of Natural Products*, **73**: 1512-1518.
- 12) Hossain, M. Y. and J. Ohtomi (2010). Growth of the southern rough shrimp *Trachysalambria curvirostris* (Penaeidae) in Kagoshima Bay, southern Japan. *J. Crust. Biol.*, **30**(1): 75-82.
- 13) Hossain, M. Y., Z. F. Ahmed, A. B. M. S. Islam, S. Jasmine and Ohtomi J. (2010). Gonadosomatic index-based size at first sexual maturity and fecundity indices of the Indian River shad *Gudusia chapra* (Clupeidae) in the Ganges River (NW Bangladesh). *J. Appl. Ichthyol.*, **26**(4): 550-553.
- 14) Ichinomiya, M., Y. Gomi, M. Nakamachi, T. Ota, and T. Kobari (2010). Temporal patterns in silica deposition among siliceous plankton during the spring bloom in the Oyashio region. *Deep-Sea Res. II*, **57**: 1665–1671.
- 15) Iehata, S., T. Inagaki, S. Okunishi, M. Nakano, R. Tanaka, and H. Maeda (2010). Improved gut environment of abalone *Haliotis gigantean* through *Pediococcus* sp. Abl treatment. *Aquaculture*, **305**: 59-65.
- 16) Kader, Md. A., S. Koshio, M. Ishikawa, S. Yokoyama, and M. Bulbul (2010). Supplemental effects of some crude ingredients in improving nutritive values of low fishmeal diets for red sea bream, *Pagrus major*. *Aquaculture*, **308**: 136-144.

- 17) Kader, Md. A., S. Koshio, M. Ishikawa, S. Yokoyama, M. Bulbul, Y. Honda, R.E. Mamauag, and A. Laining (2010). Growth, nutrient utilization, oxidative condition, and element composition of juvenile red sea bream *Pagrus major* fed with fermented soybean meal and scallop by-product blend as fishmeal replacement. *Fish. Sci.*, **77**: 119-128.
- 18) Kato, S., T. Inagaki, S. Okunishi, M. Kihira, Y. Ymamoto, C. Saclauso, and H. Maeda (2010). Developing new BDF(Bio Diesel Fuel) program towards zero emission. *Mem. Fac. Fish., Kagoshima Univ., Special Issue*, 53-57.
- 19) Kato, S., T. Inagaki, S. Okunishi, M.Sakka, Y. Ymamoto, and H. Maeda (2010). Continuous decomposition of waste water from BDF-processor by substrate with fixed bacteria. *J. Environ. Conserv. Eng.*, **39**: 52-56.
- 20) Kobari, T. (2010) Measurements of growth rate for natural population of planktonic copepods: a review. *Oceanography in Japan*. **19**: 213–232. (in Japanese with English abstract)
- 21) Kobari, T., A. Ueda, and Y. Nishibe (2010). Development and growth of ontogenetically migrating copepods during the spring phytoplankton bloom in the Oyashio region. *Deep-Sea Res. II*, **57**: 1715–1726.
- 22) Kobari, T., H. Akamatsu, M. Minowa, T. Ichikawa, K. Iseki, R. Fukuda, and M. Higashi (2010). Effects of the copepod community structure to fecal pellet flux in Kagoshima Bay, a deep, semi-enclosed embayment. *J. Oceanogr.*, **66**: 673-684.
- 23) Kobari, T., K. Mitsui, T. Ota, M. Ichinomiya, and Y. Gomi (2010). Response of heterotrophic bacteria to the spring phytoplankton bloom in the Oyashio region. *Deep-Sea Res. II*, **57**: 1671–1678.
- 24) Kobari, T., T. Fujii, Y. Kobari, and A. Habano (2010). Seasonal variations in abundance, growth and mortality of heterotrophic bacteria in Kagoshima Bay. *J. Oceanogr.*, **66**: 845-853.
- 25) Kobari, T., Y. Inoue, Y. Nakamura, H. Okamura, T. Ota, Y. Nishibe, and M. Ichinomiya (2010). Feeding impacts of ontogenetically migrating copepods on the spring phytoplankton bloom in the Oyashio region. *Deep-Sea Res. II*, **57**: 1703–1714.
- 26) Komatsu, M., S. Ando, S. Hayashi, T. Furukawa, S. Takumi, K. Aoyama, and T. Takeuchi (2010). A case study of intact vitellogenin isolated from the plasma of wild silver Japanese eel (*Anguilla japonica*), in “Jackson E. Rathbond ed. Handbook of Lipoprotein Research”. Nova Science Publishers, Inc., New York, pp. 195-205.
- 27) Kono, K., H. Tanaka, and J. Koyama(2010). Dioxin transfer from sediment to the infaunal surface deposit-feeding polychaete *Perinereis nuntia* in a laboratory-rearing experiment. *Environ. Toxicol. Chem.*, **29**: 1512-1519.
- 28) Kotani, T. (2010). Utilization of cladoceran and copepod for finfish larviculture. *Yoshoku*, **47** (12): 29-32 (in Japanese).
- 29) Kotani, T., T. Genka, M. Tanabe, A. Miyashima, H. Fushimi, and M. Hayashi (2010). Effect of nutritional enrichment method on fatty acid contents of rotifer *Brachionus plicatilis*. *J. World Aquacult. Soc.*, **41**(6): 884-892.
- 30) Kyaw Kyaw, S. Koshio, M. Ishikawa, S. Yokoyama, K. Kikuchi, A. Laining, and Y. Muraoka (2010). Supplemental effects of dietary blue mussel meat for juvenile tiger puffer *Takifugu rubripes* when fed diets containing low fishmeal contents. *Aquaculture Sci.*, **58**(2): 17-23.
- 31) Kyaw Kyaw, S. Koshio, M. Ishikawa, S. Yokoyama, K. Kikuchi, A. Laining, Y. Muraoka, and Y. Akimoto (2010). Effects of different levels of dietary mussel phospholipids on the performances of juvenile kuruma shrimp, *Marsupenaeus japonicus* Bate. *Aquaculture Sci.*, **58** (2): 75-83.
- 32) Laining, A., R.F. Traifalgar, Moe Thu, C.F. Komilus, Md.A. Kader, S. Koshio, M. Ishikawa, and S. Yokoyama (2010). Influence of dietary phytic acid on growth, feed intake, and nutrient utilization in juvenile Japanese flounder, *Paralichthys olivaceus*. *J. World Aquac. Soc.*, **41**: 746-755.

- 33) Maeda H., R. Tanaka, M. Hayashi, and S. Nunai (2010). Utilization of marine microbe for marine environmental conservation and biomass energy. *Res. Trop. Agr.*, **3**: 93-97.
- 34) Maeda, H. (2010). A view of Centrea from Mie, in "Fly the wing with the dream of Chubu"(ed. by The Chubu International Airport Research Foundation). Stampare co., ltd., Nagoya, pp. 73-75 (in Japanese).
- 35) Maeda, H. (2010). The establishment and development of Iga Research Institute of Mie University. *The bull. of the graduate school of bioresources, Mie University*, **36**: 59-68 (in Japanese with English abstract).
- 36) Miki, S., J. Koyama, and S. Uno (2010). Optimization of pressurized liquid extraction for simultaneous analysis of polycyclic aromatic hydrocarbons and alkylated polycyclic aromatic hydrocarbons in sediments. *Fresen. Environ. Bull.*, **19**: 1544-1551.
- 37) Moe Thu, S. Koshio, M. Ishikawa, and S. Yokoyama (2010). Effects of supplementation of dietary bamboo charcoal on growth performance and body composition of juvenile Japanese flounder, *Paralichthys olivaceus*. *J. World Aquac. Soc.*, **41** (S2): 255-262.
- 38) Monteclaro, H., K. Anraku, S. Uno, J. Koyama, T. Matsuoka, and G. F. Quintio (2010). Water Quality Degradation and its Effect on Fishing Activities. *Mem. Fac. Fish. Kagoshima Univ.*, **Special Issue**, 3-8.
- 39) Nakamura, H., M. Nonaka, and H. Sasaki (2010). Seasonality of the Kuroshio path destabilization phenomenon in the Okinawa Trough: A numerical study of its mechanism. *J. Phys. Oceanogr.*, **40**(3): 530-550.
- 40) Nakano M., T. Inagaki, S. Okunishi, R. Tanaka, and H. Maeda (2010). Effect of Salinity on denitrification under limited single carbon source by Marinobacter sp. isolated from marine sediment. *J. Basic Microbiol.*, **50**: 1-5.
- 41) Namekawa A., K. Hodokawa, M. Hidaka, T. Yoshikawa, M. Nakano, R. Tanaka, and H. Maeda (2010). Effect of magnesium hydroxide on motility of red tide organisms and its working mechanism. *Boukin Bobai*, **38**: 289-295 (in Japanese).
- 42) Nishihara, G. N. and R. Terada (2010). Spatial variations in nutrient supply to the red algae *Euclima serra* (J. Agardh), J. Agardh. *Phycological Research*, **58**: 29-34.
- 43) Nishibe, Y., T. Kobari, and T. Ota (2010). Feeding by the cyclopoid copepod *Oithona similis* on the microplankton assemblage in the Oyashio region during spring. *Plankton Benthos Res.*, **5**(2): 74-78.
- 44) Nishihara, G. N. and R. Terada (2010). Species richness of marine macrophytes correlated to the wave exposure gradient. *Phycological Research*, **58**: 280-292.
- 45) Pahila, I. G., H. Taberna Jr., R. Sadaba Jr., L. Gamarcha, J. Koyama, and S. Uno (2010). Assessment of Residual Petroleum Hydrocarbon Two Years After the M/T Solar 1 Oil Spill in Southern Guimaras, Central Philippines. *Mem. Fac. Fish. Kagoshima Univ.*, **Special Issue**, 59-62.
- 46) Rahman M. M., S. Kadowaki, S. R. Balcombe, and Md. A. Wahab (2010). Common carp (*Cyprinus carpio* L.) alters its feeding niche in response to changing food resources: direct observations in simulated ponds. *Ecol. Res.*, **25**: 303-309.
- 47) Ren, T., S. Koshio, Zh-Q. Jiang, S. Yokoyama, C.F. Komilus, J. Gao, and M. Ishikawa (2010). Interactive effects of dietary vitamin C and phospholipid in micro-bound diet for growth, survival, and stress resistance of larval red sea bream, *Pagrus major*. *Aquac. Nutr.*, **16**: 475-482.
- 48) Sakata, T., T. Yoshikawa, and S. Nishitarumizu (2010). Purification of an algicidal substance produced by marine *Pseudomonas* sp. C55a-2. *Mem. Fac. Fish. Kagoshima Univ.*, **59**: 17-25.
- 49) Soomro, A. N., H. Suzuki, M. Kitazaki, and T. Kobari (2010). Species composition of freshwater shrimp in Kikai-jima island. *J. Crust. Biol.*, **30**: 721-726.
- 50) Takeshita, H., and K. Ebata (2010). Measuring the movement of trolling depressor and jig by flume tank experiments. *Men. Fac. Fish. Kagoshima*, **59**: 37-41 (in Japanese).

- 51) Takumi, S., M. Komatsu, T. Furukawa, R. Ikeda, T. Sumizawa, H. Akenaga, Y. Maeda, K. Aoyama, K. Arizono, S. Ando, and T. Takeuchi (2010). p53 plays an important role in cell fate determination after exposure to microcystin-LR. *Environmental Health Pers.*, **π118**: 1292-1298.
- 52) Terada, R., T. Abe, and S. Kawaguchi (2010). Reproductive phenology of three species of *Gracilaria*: *G. blodgettii* Harvey, *G. vermiculophylla* (Ohmi) Papenfuss and *G. salicornia* (C. Agardh) Dawson (Gracilariales, Rhodophyta) from Okinawa, Ryukyu Islands, Japan. *Coastal Marine Science*, **34**: 129-134.
- 53) Traifalgar, R.F., H. Kira, H.T. Tung, F.R. Michael, A. Laining, S. Yokoyama, M. Ishikawa, S. Koshio, A.E. Serrano, and V. Corre (2010). Influence of dietary fucoidan supplementation on growth and immunological response of juvenile *Marsupenaeus japonicus*. *J. World Aquac. Soc.*, **41** (S2): 235-244.
- 54) Tsuchiya, Y. and R. Terada (2010). Reconfirmation of *Dictyurus purpurascens* Bory de Saint-Vincent from Japanese waters. *Nature of Kagoshima*, **36**: 61-63.
- 55) Tung, H.T., S. Koshio, R.F. Traifalgar, M. Ishikawa, and S. Yokoyama (2010). Effects of dietary heat-killed *Lactobacillus plantarum* on larval and post-larval kuruma shrimp, *Marsupenaeus japonicus* Bate. *J. World Aquac. Soc.*, **41** (S1): 16-27.
- 56) Uno, S., E. Kokushi, I. G. Pahila, and J. Koyama (2010). Changings of Polycyclic Aromatic Hydrocarbons in Aquatic Organisms and Sediment at Guimaras after Oil Spill. *Mem. Fac. Fish. Kagoshima Univ.*, **Special Issue**, 63-66.
- 57) Uno, S., E. Kokushi, S. Miki, N. C. Añasco, and J. Koyama (2010). Monitoring of PAHs and Alkylated PAHs in Aquatic Organisms after One Month from Solar I Oil Spill off the Coast of Guimaras Island, Philippines. *Environ. Monit. Assess.*, **165**: 501-515.
- 58) Yokota K., M. Inoue, H. Kokuji, K. Komura, M. Yamamoto, M. Nakashima, N. Dung, and H. Maeda (2010). Measurement of sedimentation rate in Kagoshima Bay using the 210PB method, in "Proceedings of the International Workshop on Low level Measurement of Radionuclides and its Application to Earth and Environmental Sciences". November 5-6, Kanazawa University, Japan, pp. 146-151.
- 59) Yoshikawa, T. (2010). Primary production which holds a key to restoration of the inshore fisheries, in "Fisheries in the Twenty-first Century—Food Self-sufficiency Opened Up from the Sea" (ed. by Tanaka, M., S. Kawai, N. Taniguchi, and T. Sakata). Kyoto University Press, Kyoto, pp. 183-199 (in Japanese).
- 60) Yoshikawa, T., K. Murata, S. Uno, J. Koyama, H. Maeda, M. Hayashi, and R.B. Sadaba (2010). Bioremediation of heavy C oil by *Alcanivorax* sp. a1 strain isolated from recovered bunker oil spilt in the "Solar 1" accident. *Mem. Fac. Fish. Kagoshima Univ.*, **Special Issue**: 67-73.