2013 ANNUAL CONTRIBUTIONS
Author Index

Araki, K., F. Takizawa, M. Yamasaki, M. Esumi, T. Moritomo, M. Ototake, A. Yamamoto, T. Nakanishi (2013). Expression profiles of interferon gamma genes in response to immunostimulants and alloantigen in ginbuna crucian carp *Carassius auratus langsdorfii. Fisheries Sci.,* 79(2): 213-220.

Buhadi, Y. A. E. S. M., T. Kobari, K. Kawai, T. Yamamoto, H. Suzuki, S. Nishimura, T. Torii, J. Vitayaki (2013). Food availability for particle-feeding bivalves, Anadara spp., in Fiji. Pac. Sci., 67: 539-551.

Ebata, K., Kikkawa, R. and Fuwa, S. (2013). Effect of towing condition on survival ratio of shrimps after catch with bottom trawl. Contributions on the Theory of Fishing Gears and Related Marine Systems, 8, 145-151.

Eugene T. Bacolod, Uno, S Tanaka, K, Koyama, J. (2013). Micronuclei and other nuclear abnormalities induction in erythrocytes of marbled flounder, *Pleuronectes yokohamae,* exposed to dietary nitrated polycyclic aromatic hydrocarbons. *Japanese. Journal of .Environmental. Toxicology,* **16**, 79-89.

Eugene T. Bacolod, Uno S., Tanaka H., Miki S., Kokushi E., Fukunaga M., and Koyama J.. (2013). Bioconcentration of Nitrated Polycyclic Aromatic Hydrocarbons (NPAHs) in Marbled Flounder, *Pleuronectes yokohamae* After Exposure to Waterborne NPAHs., *Japanese. Journal of .Environmental Toxicology,* **16**, 91-105.

Fujieda, S. (2013). Distribution range of disposable lighters collected on the river banks. J. Driftological Soc., 11: 7-11 (in Japanese).

Fujieda, S. (2013). Proposal of method to reduce the standing stock of marine litter. J. Driftological Soc., 11: 13-19 (in Japanese).

Fuwa, S (2013). Stern purse seine gear equipped with training vessel Kagoshima Maru. Contributions on the Theory of Fishing Gears and Related Marine Systems, 8, 243-251.

Fuwa, S, Anraku, K, Matsuoka, T., Ebata, K., Mitsuhashi, No., Kinoshita, H., Hirayama M., and Ikeda, S. (2013). Stern purse seine gear of new builed training vessel Kagoshima Maru. J. Fishing Boat and Syatem., 112, 81-91.

Gao, J., S. Koshio, M. Ishikawa, S. Yokoyama, B.T. Nguyen, and R.E. Mamauag (2013) Effect of dietary oxidized fish oil and vitamin C supplementation on growth performance and reduction of oxidative stress in Red Sea Bream *Pagrus major* Aquaculture Nut 19, 35-44

Gao, J., S. Koshio, M. Ishikawa, S. Yokoyama, D. Nose, T. Ren (2013) Interactive effects of vitamin C and E supplementation on growth, fatty acid composition, and lipid peroxidation of sea cucumber, *Apostichopus japonicus,* fed with dietary oxidized fish oil J World Aquacult Soc 44, 536-546

Han, Y., S. Koshio, M. Ishikawa, S. Yokoyama, J. Gao (2013) Optimum supplementations and interactive effects of methionine and tryptophan on growth and health status of juvenile Japanese flounder *Paralichthys olivaceus* Aquaculture Sci 61, 239-251

Han, Y., S. Koshio, M. Ishikawa, S. Yokoyama (2013) Interactive effects of dietary arginine and histidine on the performances of Japanese flounder *Paralichthys olivaceus* juveniles Aquaculture 414-415, 173-182

Hossain, M. Y., M. S. Arefin, M. S. Mohmud, M. I. Hossain, M. A. S. Jewel, M. M. Rahman, F. Ahamed, Z. F. Ahmed, and J. Ohtomi (2013). Length-weight relationships, condition factor, gonadosomatic index-based size at first sexual maturity, spawning season and fecundity of *Aspidoparia morar* (Cyprinidae) in the Jamuna River (Brahmaputra River distributary), northern Bangladesh. *J. Appl. Ichthyol.,* 29(5): 1166-1169.

Hossain, M.Y., M.A.S. Jewel, M.M. Rahman, A.B.M.M. Haque, H.A.M. Elbaghdady and J. Ohtomi (2013). Life-history Traits of the Freshwater Garfish *Xenentodon cancila* (Hamilton, 1822) (Belonidae) in the Ganges River,

Northwestern Bangladesh. *Sains Malaysiana,* 42(9): 1207-1218.

Hossain, M.Y., M.A.S. Jewel, M.M. Rahman, A.B.M.M. Haque, H.A.M. Elbaghdady and J. Ohtomi (2013). Life-history Traits of the Freshwater Garfish *Xenentodon cancila* (Hamilton, 1822) (Belonidae) in the Ganges River, Northwestern Bangladesh. *Sains Malaysiana,* 42(9): 1207-1218.

Hossain, M.Y., M.M. Khatun, S. Jasmine, M.M. Rahman, M.A.S. Jewel and J. Ohtomi (2013). Life history Traits of the Threatened Freshwater Fish *Cirrhinus reba* (Hamilton 1822) (Cypriniformes: Cyprinidae) in the Ganges River, Northwestern Bangladesh. *Sains Malaysiana,* 42(9): 1219-1229.

Hossain, M.Y., M. M. Rahman, E. M. Abdallah and J. Ohtomi (2013). Biometric Relationships of the Pool Barb Puntius *sophore* (Hamilton 1822) (Cyprinidae) from Three Major Rivers of Bangladesh. *Sains Malaysiana,* 42(11): 1571-1580.

Hossain, M.Y., M. M. Rahman, M.A.S. Jewel, M. A. Hossain, F. Ahamed, A.S. Tumpa, E.M. Abdallah and J. Ohtomi (2013). Life history Traits of the Critically Endangered Catfish *Eutropiichthys vacha* (Hamilton, 1822) in the Jamuna (Brahmaputra River Distributary) River, Northern Bangladesh. *Sains Malaysiana,* 42(3): 265-277.

Hassanin A.A.I., M.M.M. Osman, Y. Kaminishi, M.A.H. El-Kady and T. Itakura (2013). Molecular characterization of cytochrome P450 1B1 and effect of benzo(a) pyrene on its expression in Nile tilapia (*Oreochromis niloticus*), Afr. J. *Biotechnol.,* **12**:6682-6690.

Kawai, K., R. Terada and S. Kuwahara (eds.) (2013). The Islands of Kagoshima: Culture, Society, Industry and Nature. *Kagoshima University Research Center for the Pacific Islands,* 158 pp., Kagoshima.

Kobari, T., Mori, H., Tokushige, H. (2013). Nucleic acids and protein content in ontogenetically migrating copepods in the Oyashio region as influenced by development stage and depth distribution. J. Plankton Res., 35: 105-120.

Kobari, T., M. Kitamura, M. Minowa, H.i Isami, H. Akamatsu, H. Kawakami, K. Matsumoto, M. Wakita, M. C. Honda (2013). Impacts of the wintertime mesozooplankton community to downward carbon flux in the subarctic and subtropical Pacific Oceans. Deep-Sea Res. I, 81: 78–88.

Komai T. and J. Ohtomi (2013). The Occurrence of a pandalid shrimp *Heterocarpus abulbus* Yang, Chan and Chu, 2010 (Decapoda: Caridea) in Japan. *Crustaceana,* 86(3): 379-385.

Komatsu, M., Ichiyama, N., Kurimoto, T., Takumi, S., Shiozaki, K., Sugiyama, Y., Furukawa, T., Ando, S., Itonori, S., Saito, H. (2013) Ceramide aminoethylphosphonate from jumbo flying squid *Dosidicus gigas* attenuates the toxicity of cyanotoxinmicrocystin-LR. Fish. Sci, 79, 313-320

Koo M.S., Ishizaki M., Kim S.J., Fuwa S., Vazquez Archdale M. (2013) Characteriistics of Periodical movement of live squid (Todarodes pacificus) hooked on the branch line of a red sea bream long line. J.Kor.Soc.Fish. Tech. 49(3) 227-237.

Koyama, J., Kitoh A., Nakai M., Kumiko K., Tanaka H. and Uno S.. (2013) Relative Contribution of Endocrine Disrupting Chemicals to the Estrogenic Potency of Marine Sediments of Osaka Bay, Japan. *Water, Air & Soil Pollution,.* **224**(5), article 1570, DOI 10.1007/s11270-013-1570-9.

Lideman, G. N. Nishihara, T. Noro and R. Terada (2013). Effect of temperature and light on the photosynthesis of cultured *Eucheuma denticulatum* and *Kappaphycus* sp. (Sumba strain) from Indonesia. *J. Appl. Phycol.,* **25**: 399-406.

Matsuyama A., Yokoyama S., Kindaichi M., Sonoda I., and Koyama J. (2013) Effect of seasonal variation in seawater dissolved mercury concentrations on mercury accumulation in the muscle of red sea bream (*Pagrus major*) held in Minamata Bay, Japan. *Environmental Monitoring and Assessment,* **185**, 7215-7224, DOI 10.1007/s10661-013-3095-5

Mohd Yusoff Nurulnadia, Koyama J., Uno S., Kokushi E. Eugene Tan Bacolod, Ito K. and Chuman Y. (2013) Bioaccumulation of dietary endocrine disrupting chemicals (EDCs) by polychaete, *Perinereis nuntia. Bulletin of Environmental Contamination and Toxicology,* **91**(4), 372-376.

Miyake, S., T. Kobari (2013). Starvation induced changes in nucleic acids and protein contents of crustacean zooplankton. Mem. Fac. Fish., Kagoshima Univ., 62: 1-5.

Nakashima, E., H. Maeda, I. Senaha and K. Takeda (2013). Regeneration System of Carbon Dioxide Using Algae, Innovative Materials for Processes in Energy Systems, Touka Shobo, Fukuoka, pp. 309-312.

Nakamura, H., A. Nishina, Z. Liu, F. Tanaka, M. Wimbush and J.-H. Park (2013). Intermediate and Deep Water Formation in the Okinawa Trough. J. Geophys. Res., 118(12): 6881-6893.

Nakashima, H., T. Toshihiro, S. Yoshimitsu and R. Terada (2013). Phenology of three species of *Sargassum* (Fucales) and the long-term change of seaweed community structure from Kasasa, Kagoshima Prefecture, Japan. *Jpn. J. Phycol.,* 61: 97-105. (in Japanese)

Ohtomi, J. (2013). A seasonal fish cooking file. Nanpou Shinsha, Kagoshima. 201 pp. (in Japanese).

Otomi, A. and J. Ohtomi (2013). Dietary Habits of University Students in Kagoshima Prefecture with a Focus on Fish and Shellfish. *Bull. Kagoshima Junshin Jr. Coll.,* 43: 53-65. (in Japanese with English Abstract).

Ragaza, J. A., R.E. Mamauag, S. Koshio, M. Ishikawa, S. Yokoyama (2013) Comparative effects of dietary supplementation levels of *Eucheuma denticulatum* and *Sargassum fulvellum* in diet of juvenile Japanese flounder *Paralichthys olivaceus* Aquaculture Sci 61, 27-37

Remil Linggatong Galay, Rika Umemiya-Shirafuji, Eugene T. Bacolod, Maeda H., Kusakisako K., Koyama J., Tsuji N., Mochizuki M., Fujisaki K., Tanaka T. (2013) Two Kinds of Ferritin Protect Ixodid Ticks from Iron Overload and Consequent Oxidative Stress. *PLOS ONE,* **9**(3), e90661.

Sultana, M.S., S. Koshio, M. Ishikawa, S. Yokoyama, T. Ikemura (2013) Effects on dietary supplement of shochu distillery by-product (SDBP) on the growth of red sea bream Aquaculture Sci 61, 47-54

Santander, S., S. OkunishiI, M. Kihira, M. Nakano, S. Nunal, M. Hidaka, T. Yoshikawa, and H. Maeda (2013). Characterization of the Bacterial Community in the Sediment of a Brackish Lake with Oyster Aquaculture, Biocontrol Sci., 18(1): 29-40.

Santander, S., S. OkunishiI, M. Kihira, M. Nakano, S. Nunal, M. Hidaka, T. Yoshikawa, and H. Maeda (2013). Effect of Magnesium Peroxide Biostimulation of Fish Feed-loaded Marine Sediments on Changes in the Bacterial Community Shift, Biocontrol Sci., 18(1): 41-51.

Satoh, K., Y. Tanaka, M. Masuzima, M. Okazaki, Y. Kato, H. Shono, and K. Suzuki(2013). Relationship between the growth and survival of larval Pacific bluefin tuna. *Thunnus orientalis, MAR BIOL*, 160(3): 691-702.

Senba, Y., K. Yokawa, H. Matsunaga, and H. Shono(2013). Distribution and trend in abundance of the porbeagle (*Lamna nasus*) in the southern hemisphere. MAR FRESHWATER RES, **64**(4): 518-529.

Shiozaki, K., Takeshita, K., Ikeda, M., Ikeda, A., Harasaki, Y., Komatsu, M., Yamada, S., Yamaguchi, K., Miyagi, T., (2013) Molecular cloning and biochemical characterization of two novel Neu3 sialidases, *neu3a* and neu3b, from medaka (*Oryzias latipes*). Biochimie, 95, 280-289

Tanaka, T., S. Yoshimitsu, Y. Imayoshi, Y. Ishiga and R. Terada (2013). Distribution and characteristics of seaweed / seagrass community in Kagoshima Bay, Kagoshima Prefecture, Japan. *Nippon Suisan Gakkaishi,* **79**: 20-30. (in Japanese)

Terada, R., S. Inoue and G. N. Nishihara (2013). The effect of light and temperature on the growth and photosynthesis of *Garcilariopsis chorda* (Gracilariales, Rhodophyta) from geographically separated locations. *J. Appl. Phycol.,* **25**: 1863-1872.

Terada, R. (2013). Edible seaweeds in the island life. In: Kawai, K., Terada, R., Kuwahara, S. (eds.) The Islands of Kagoshima: Culture, Society, Industry and Nature. *Kagoshima University Research Center for the Pacific Islands,* pp. 113, Kagoshima.

Terada, R., H. Kawai, A. Kurashima, Y. Sakanishi, J. Tanaka, N. Murase, G. Yoshida, Y. Aoki, A. Dazai and T. Motomura (2013). Ecosystem in the seaweed bed. In: Biodiversity Center of Japan, Nature Conservation Bureau, Japanese Ministry of Environment (ed.), Special report of the coastal survey (Rocky shore, tidal flat, seagrass bed and seaweed bed), Monitoring Site 1000, 2008 - 2012, pp. 48-55, Fujiyoshida. (in Japanese)

Terada, R., H. Kawai, A. Kurashima, N. Murase, Y. Sakanishi, J. Tanaka, G. Yoshida, T. Abe and T. Kitayama (2013). Distribution of five species of Japanese Laminariales and the evaluation as the indicator species of long-term monitoring. In: Biodiversity Center of Japan, Nature Conservation Bureau, Japanese Ministry of Environment (ed.), Special report of the coastal survey (Rocky shore, tidal flat, seagrass bed and seaweed bed), Monitoring Site 1000, 2008 - 2012, pp. 68-73, Fujiyoshida. (in Japanese)

Tsutsui, S., T. Ariji, A. Sato, T. Yoshida, N. Yamamura, T. Odaka, K. Araki, H. Suetake, T. Miyadai, O. Nakamura Serum GlcNAc-binding IgM of fugu (Takifugu rubripes) suppresses the growth of fish pathogenic bacteria: A novel function of teleost antibody. *Dev. Comp. Immunol.,* 41(1): 20-26.

Watanabe, Y., G. N. Nishihara and R. Terada (2014). The effect of irradiance and from a natural community in Kumamoto, Japan. *Jpn. J. Phycol.,* **61**: 141-148 (in Japanese)

Yamada, N., R. Terada, A. Tanaka and T. Horiguchi (2013). *Diplospina angelus* gen. et sp. nov. (Dinophyceae), a new sand-dwelling dinoflagellate from seafloor off Mageshima island, Japan. *J. Phycol.,* **49**: 555-569.

Yamasaki, M., K. Araki, T. Nakanishi, C. Nakayasu, Y. Yoshiura, T. Iida, A. Yamamoto (2013). Adaptive immune response to *Edwardsiella tarda* infection in ginbuna crucian carp, *Carassius auratus langsdorfii. Vet. Immunol. Immunopathol.,* 153(1-2): 83-90.