

2021 ANNUAL CONTRIBUTIONS Author Index

Doi, W., S. Morita and B. F. Muto (2021) Growth and reproduction of *Cyclograpsus pumilio* (Brachyura: Varunidae) on a cobble shore in Suruga Bay, Japan. Japanese J Benthol., 76: 31–38.

Ebata, K., A. Okino and K. Suzuki (2021) Flume tank testing, computer simulation and full-scale sea trials of a modified bottom trawl made of ultra-high-molecular-weight polyethylene twine for pair trawl fishery off Shimane Prefecture. Nippon Suisan Gakkaishi, 87(4): 348–356.

Endo, H., Y. Sato, K. Kaneko, D. Takahashi, K. Nagasawa, Y. Okumura and Y. Agatsuma (2021) Ocean warming combined with nutrient enrichment increases the risk of herbivory during cultivation of the marine macroalga *Undaria pinnatifida*. ICES J. Mar. Sci., 78(1), 402–409.

Endo, H., T. Sugie, Y. Yonemori, Y. Nishikido, H. Moriyama, R. Ito and S. Okunishi (2021) Vegetative reproduction is more advantageous than sexual reproduction in a canopy-forming clonal macroalga under ocean warming accompanied by oligotrophication and intensive herbivory. Plants, 10(8), 1522.

Furuhashi, R., J. Ohtomi and H. Motomura (2021) First Kyushu record of *Ostracoberyx dorygenys* (Ostracoberycidae) from the Koshiki Islands, Kagoshima Prefecture, Japan. Ichthy, Nat. Hist. Fish. Jpn., 11: 12–16.

Habano, A., T. Kobari, W. Ohbayashi and G. Kume (2021) Feeding habits of the skinnycheek lanternfish *Benthoosema pterotum* (Alcock, 1890) in Kagoshima Bay, southern Japan. Ichthyol. Res., 68: 164–170.

Hasan, M. R., M. Y. Hossain, Z. Mawa, M. A. Rahman, S. Tanjin and J. Ohtomi (2021) Evaluating the size at sexual maturity for 20 fish species in wetland (Gajner Beel) ecosystem, northwestern Bangladesh through multi-model approach: A key for sound management. Acta Ichthyol. et Piscat., 51(1): 29–36.

Hasegawa, D., T. Matsuno, E. Tsutsumi, T. Senjyu, T. Endoh, T. Tanaka, N. Yoshie, H. Nakamura, A. Nishina, T. Kobari, T. Nagai and X. Guo (2021) How a small reef in the Kuroshio cultivates the ocean. Geophys Res. Lett., 48: e2020GL092063.

Hashimoto, S., M. Itou, J. Ohtomi and H. Motomura (2021) First specimen-based records of *Halimetus reticulatus* (Ogcocephalidae) from Kagoshima Prefecture, Japan. Ichthy, Nat. Hist. Fish. Jpn., 14: 26–30.

Hashimoto, S., J. Ohtomi and H. Motomura (2021) First specimen-based records of *Tosana niwae* (Serranidae: Anthiadinae) from the Kagoshima mainland, southern Kyushu, Japan. Ichthy, Nat. Hist. Fish. Jpn., 11: 6–11.

Havimana L., Y. Masuda and J. Ohtomi (2021) Size at sexual maturity and annual reproductive cycle of male crimson sea bream *Evynnis tumifrons* off the southwestern coast of Kyushu, Japan. Aquacult. Sci., 69(3): 213–222.

Hayakawa, J., K. Nakamoto, M. Kodama and T. Kawamura (2021) Aggregation of the abalone *Haliotis discus hannai* during spawning season and its associations with seasonal and interannual changes in macroalgal community. Mar. Ecol. Prog. Ser., 670: 105–120.

Hayasaka, O., K. Anraku, Y. Akamatsu, Y.-C. Tseng, M. V. Archdale and T. Kotani (2021) Threshold and spectral sensitivity of vision in medaka *Oryzias latipes* determined by a novel template wave matching method. Comp. Biochem. Physiol., Part A Mol. Integr. Physiol., 251: 110808.

Honda, A., O. Hayasaka, K. Mio, K. Fujimura, T. Kotani, M. Komatsu and K. Shiozaki (2021) The involvement of Nile tilapia (*Oreochromis niloticus*) Neu4 sialidase in neural differentiation during early ontogenesis. Biochimie. 185, 105–116.

Ikeda, A., M. Komamizu, A. Hayashi, C. Yamasaki, K. Okada, M. Kawabe, M. Komatsu and K. Shiozaki (2021) Neu1 deficiency induces abnormal emotional behavior in

zebrafishSci. Rep. 11, article NO:13477.

Isobe, A., T. Azuma, M. R. Cordova, A. C  zar, F. Galgani, R. Hagita, La D. Kanhai, K. Imai, S. Iwasaki, S. Kako, N. Kozlovskii, A. L. Lusher, S. A. Mason, Y. Michida, T. Mituhasi, Y. Morii, T. Mukai, A. Popova, K. Shimizu, T. Tokai, K. Uchida, M. Yagi and W. Zhang (2021) A multilevel dataset of microplastic abundance in the world's upper ocean and the Laurentian Great Lakes. *Micropl.&Nanopl.* 1, 16.

Itoh, S., H. Kaneko, S. Kouketsu, T. Okunishi, E. Tsutsumi, H. Ogawa and I. Yasuda (2021) Vertical eddy diffusivity in the subsurface pycnocline across the Pacific.*J. Oceanogr.*, 77(2): 185–197.

Jinno M., W. Doi, A. Mizutani and H. Kohno (2021) Influence of salinity on the horizontal distribution of soldier crab *Mictyris guinotae* in a subtropical river in Japan. *Mar. Biol. Res.*, 17(7,8): 707–722.

Kawabe, M., A. Hayashi, M. Komatsu, A. Inui and K. Shiozaki (2021) Ninjinyoeito improves anxiety behavior in neuro peptide Y deficient zebrafish. *Neuropeptides*. 87, article NO: 102136.

Khoa, T. N. D., O. Hayasaka, H. Matsui, V. Waqalevu, A. Honda, K. Nakajima, H. Yamashita, M. Ishikawa, K. Shiozaki and T. Kotani (2021) Changes in early digestive tract morphology, enzyme expression and activity of Kawakawa tuna (*Euthynnus affinis*). *Aquaculture*, 530: 735935.

Khoa, T. N. D., V. Waqalevu, A. Honda, H. Matsui, N. X. Truong, K. Sakaguchi, H. Kawaji, M. Ishikawa, K. Shiozaki and T. Kotani (2021) Enrichment effects of fermented by-product of Shochu distillery on *Brachionus plicatilis* sp. rotifer and larviculture performance in the Japanese flounder (*Paralichthys olivaceus*). *Aquaculture*, 535: 736352.

Khoa, T. N. D., V. Waqalevu, A. Honda, K. Shiozaki and T. Kotani (2021) An integrative description of the digestive system morphology and function of Japanese flounder (*Paralichthys olivaceus*) during early ontogenetic development. *Aquaculture*, 531: 735855.

Kobari, T., Y. Tokumo, I. Sato, G. Kume and J. Hirai (2021)

Metabarcoding analysis of trophic sources and linkages in the plankton community of the Kuroshio and neighboring waters. *Sci. Rep.*, 11: 23265.

Kobayashi S. and M. Vazquez Archdale (2021) Habitat preference and locomotive traits of the Japanese mitten crab *Eriocheir japonica* within the stream unit of the fresh water river environment. *Limnologica*, 88: 125870.

Kodama, M. (2021) Dynamics of gammarid assemblage associated with macroalgal beds. *Umiushi-Tsushin*, 113: 8–11.

Kodama, M. and T. Kawamura (2021) Review of the subfamily Cleonardopsinae Lowry, 2006 (Crustacea: Amphipoda: Amathillopsidae) with description of a new genus and species from Japan. *J. Mar. Biol. Assoc. U. K.*, 101(2): 359–369.

Komorita, T. T. Kobari, G. Kume, D. Sawada, T. Nagata, A. Habano, Y. Arita, F. Makino and M. Ichinomiya (2021) Spring phytoplankton blooms in the Northern Satsunan region, Japan, stimulated by the intrusion of Kuroshio Branch water. *Estuar. Coast. Shelf Sci.*, 259: 107472.

Kumagai, M., S. Kato, N. Arakawa, M. Otsuka, T. Hamano, N. Kashiwagi, A. Yabuki and O. Yamato (2021) Quantification of histidine-containing dipeptides in dolphin serum using a reversed-phase ion-pair high-performance liquid chromatography method.*Separations*, 8(8): 128.

Kumagai, M., I. Yoshida, T. Mishima, M. Ide, K. Fujita, M. Doe, K. Nishikawa and Y. Morimoto (2021) 4 -Hydroxywithanolide E and withanolide E from *Physalis peruviana* L. inhibit adipocyte differentiation of 3T3-L1 cells through modulation of mitotic clonal expansion. *J. Nat. Med.*, 75(1): 232–239.

Kume, G., T. Kobari, J. Hirai, H. Kuroda, T. Takeda, M. Ichinomiya, T. Komorita, M. Aita-Noguchi and F. Hyodo (2021) Diet niche segregation of co-occurring larval stages of mesopelagic and commercially important fishes in the Osumi Strait assessed through morphological, DNA metabarcoding, and stable isotope analyses. *Mar. Biol.*, 168: 6.

Kume, G., T. Shigemura, M. Okanishi, J. Hirai, K. Shiozaki,

- M. Ichinomiya, T. Komorita, A. Habano, F. Makino and T. Kobari (2021) Distribution, feeding habits, and growth of chub mackerel, *Scomber japonicus*, larvae during a high-stock period in the northern Satsunan Area, Southern Japan. *Front. Mar. Sci.*, 8: 725227.
- Le Quoc, V., K. Ly Van, D. T. My Han, T. N. D. Khoa, T. Kotani and H. T. Ngoc (2021) Effects of rotifer densities on larval performance of spotted scat (*Scatophagus argus*). *CTUJS*, 13: 37–43.
- Liu, Z.-J., X.-H. Zhu, H. Nakamura, A. Nishina, M. Wang, and H. Zheng (2021) Comprehensive observational features for the Kuroshio transport decreasing trend during a recent global warming hiatus. *Geophys. Res. Lett.*, 48, e2021GL094169.
- Manako, Y., Kobari, T., Kume, G., Hyodo, F., Noguchi-Aita, M., Ichinomiya, M., Komorita, T., Kawabe, R., Nakamura, I., K. Komeyama and H. Tsuchida (2021) Prey of whale sharks visiting the northern Satsunan area (western North Pacific Ocean) *Bull. Plankton Soc. Japan* 69(1): 18–24.
- Matsui, H., T. Sasaki, T. Kobari, V. Waqalevu, K. Kikuchi, M. Ishikawa and T. Kotani (2021) DHA accumulation in the polar lipids of the euryhaline copepod *Pseudodiaptomus inopinus* and its transfer to red sea bream *Pagrus major* larvae. *Front. Mar. Sci.*, 8: 632876.
- Mochizuki K., J. Ohtomi, K. Matsuura and H. Motomura (2021) Record of an abnormal coloration specimen of *Triodon macropterus* from the Kusagaki Islands, and the first specimen-based record of the species from the Tokara Islands, Kagoshima Prefecture, Japan. *Ichthy. Nat. Hist. Fish. Jpn.*, 15: 27–32.
- Mzengereza, K., M. Ishikawa, S. Koshio, S. Yokoyama, Z. Yukun, R. S. Shadrack, S. Seo, T. Kotani, S. Dossou, M. F. El Basuini and M. A. O. Dawood (2021) Growth performance, growth-related genes, digestibility, digestive enzyme activity, immune and stress responses of de novo camelina meal in diets of red seabream (*Pagrus major*). *Animals*, 11 (11): 3118.
- Nagai, T., D. Hasegawa, E. Tsutsumi, H. Nakamura, A. Nishina, T. Senjyu, T. Endoh, T. Matsuno, R. Inoue and A. Tandon (2021) The Kuroshio flowing over seamounts and associated submesoscale flows drive 100-km-wide 100-1000-fold enhancement of turbulence. *Commun. Earth Environ.*, 2, 170.
- Nakagami, T., K. Ebata and N. Kasaoka (2021) Flume tank experiments on flow distribution behind a steel high-rise artificial reef under steady flow. *Fish. Eng.*, 58(1): 11–16.
- Nakamura, J., J. Ohtomi and H. Motomura (2021) The Blackfin Seabass *Lateolabrax latus* (Perciformes: Lateolabracidae) from Kikai Island, Kagoshima Prefecture, Japan: the first record from the Amami Islands and the first specimen-based record from the Ryukyu Islands. *Ichthy. Nat. Hist. Fish. Jpn.*, 14: 13–16.
- Ngoc, H. T., T. N. D. Khoa, T. Kotani, K. Ly Van and V. Le Quoc (2021) Effects of stocking density on performance of snubnose pompano juvenile (*Trachinotus blochii*) reared in recirculating system. *CTUJS*, 13: 30–36.
- Nishikawa, K., M. Kumagai, K. Matsumura, K. Nishikibe and Y. Morimoto (2021) Natural product synthesis strategy based on the concept of directly constructing the ring skeletons from linear substrates. *J. Syn. Org. Chem. Jpn.*, 79(3): 197–209.
- Nishikawa, K., T. Niwa, K. Nishikibe, M. Kumagai and Y. Morimoto (2021) Establishing a “Ring-Size-Divergent” synthetic strategy: Synthesis, structural revision, and absolute configuration of feroniellins. *Chem. Eur. J.*, 27(43): 11045–11049.
- Oishi, K., M. Morise, K. L. Vo, T. N. Tran, D. Sahashi, R. Ueda-Wakamatsu, W. Nishimura, M. Komatsu and K. Shiozaki (2021) Host lactosylceramide enhances *Edwardsiella tarda* infection. *Cell Microbiol.* 23, e13365.
- Rahman, M. A., M. Y. Hossain, S. Tanjin, Z. Mawa, M. R. Hasan, K. A. Habib and J. Ohtomi (2021) Length weight relationships of five marine fishes from the Bay of Bengal. *J. Appl. Ichthyol.*, 37: 364–366.
- Rahman, M. R. and J. Ohtomi (2021) Form factor of Japanese threadfin bream, *Nemipterus japonicus* (Bloch, 1791). *Pak. J. Mar. Sci.*, 30(1): 13–19.

- Sabbir, W., M. Y. Hossain, M. A. Rahman, M. R. Hasan, Z. Mawa, S. Tanjin, Nasiruddin and J. Ohtomi (2021) First report on reproductive features of the Hooghly croaker *Panna heterolepis* Trewavas, 1977 from the Bay of Bengal in relation to environmental factors. Environ. Sci. Pollut. R., 28: 23152–23159.
- Sakai, A., T. Senjyu, T. Matsuno, E. Tsutsum and T. Endoh (2021) Internal waves with high vertical wavenumber structure generated by diurnal tidal flow over the eastern ridge of Luzon Strait. J. Oceanogr., 77(5): 703–718.
- Sarmin M. S., M. Y. Hossain, M. A. Islam, M. A. Rahman, D. Khatun, Z. Mawa, A. A. Chowdhury A and J. Ohtomi (2021) Estimation of population parameters for a data deficient *Salmostoma bacaila* (Hamilton 1822) stock from the Mahananda river (tributary of the Ganges) in NW Bangladesh. Indian J. Geo-Mar. Sci., 50(5): 403–409.
- Suzuki, T. and N. Yagi (2021) Changes over time in the influence of the value of marine products from the disaster area on consumers' willingness to purchase. Jpn. J. Env. Econ. Policy. Stud., 14(2): 48–51.
- Wada H., J. Ohtomi and H. Motomura (2021) The northernmost and second Japanese records of *Diretmoides veriginae* (Beryciformes: Diretmidae) from Suruga Bay and off the Satsuma Peninsula, and the first records of *Neoscopelus. porosus* (Myctophiformes: Neoscopelidae) from Kagoshima Prefecture. Ichthy. Nat. Hist. Fish. Jpn., 8: 24–30.
- Yamakawa, U., D. Uchida and M. Kodama (2021) Northernmost record of *Jesogammarus (Jesogammarus) hinumensis* Morino, 1993 from the Imaizumi River flowing into the Lake Jusan in Aomori Prefecture, Japan. Japanese J Benthol., 76: 13–16.
- Yagishita, N., and G. Kume (2021) Genetic characteristics of the amphidromous fish Ayu *Plecoglossus altivelis altivelis* (Osmeriformes: Plecoglossidae) on Yaku-shima Island in Japan, the southernmost. population of the subspecies. Genetica, 149: 117–128.
- Yoshinaga, S., T. Kobari, N. Tanonaka, K. Yamanoue and G. Kume (2021) Feeding habits of the mesopelagic fish *Sigmops gracilis* larvae in the Kuroshio and its adjacent water, southern Japan. Ichthyol. Res., 68: 171–176.
- Zhang, Z.-L., H. Nakamura and X.-H. Zhu (2021) Seasonal velocity variations over the entire Kuroshio path part I: data analysis and numerical experiments. J. Oceanogr., 77: 719–744.
- Zhang, Z.-L., H. Nakamura and X.-H. Zhu (2021) Seasonal velocity variations over the entire Kuroshio path part II: dynamical interpretation for the current speed variation. J. Oceanogr., 77: 745–761.