

2018 ANNUAL CONTRIBUTIONS Author Index

Ahamed, F., N. Saha, S. Jahan, S. Akter, M.Y. Hossain, Z.F. Ahmed and **J. Ohtomi** (2018). Length-weight and length-length relationships of two gobiid fishes *Eleotris fusca* (Forster, 1801) and *Odontamblyopus rubicundus* (Hamilton, 1822) from the Payra River, southern Bangladesh. *J. Appl. Ichthyol.*, 34(1): 227–229

Ahamed, F., N. Saha, M. A. Nishat, M. K. Biswas, M. Sultana, M. S. Khatun, Z. F. Ahmed, M. Y. Hossain and **J. Ohtomi** (2018). Length-weight and length-length relationships of three small indigenous fishes from the Payra River, southern Bangladesh. *J. Appl. Ichthyol.* 34(3): 777–779

Ahamed F., N. Saha, Z. F. Ahmed, M. Y. Hossain and **J. Ohtomi**, (2018). Reproductive biology of *Apocryptes bato* (Gobiidae) in the Payra River, southern Bangladesh. *J. Appl. Ichthyol.*, 34(5): 1169–1175

Ang, W., S. Huang, X. Chen, J. Wang, **J. Ohtomi** and C. Wang (2018). Genetic admixture of mitten crabs in the Northeast Asia hybrid zones. *Hydrobiologia*, 806: 203–214

Anraku, K. M. Kamio and **M. Vazquez Archdale** (2018). Chemoreception and behavior in cephalopods and crustaceans. *Aroma Research* 74 (19): 118-125

Doi, W., A. Mizutani and H. Kohno (2018). Larval release rhythm of the land hermit crab *Coenobita cavipes* Stimpson, 1858 (Anomura: Coenobitidae) in Iriomote Island, Japan. *Crustaceana*, 91(2): 199–211.

Doi, W., A. Nakahiro, H. Washiyama and N. Suzuki (2018). Spawning rate estimation and histological characteristics of post-spawning ovaries of the sergestid shrimp *Lucensosergia lucens* based on shipboard spawning experiments. *Aquacult. Sci.*, 66(1): 11–16.

Doi, W., A. Nakahiro, H. Washiyama and N. Suzuki (2018). Size at sexual maturity and spawning fraction of female sergestid shrimp (*Lucensosergia lucens*) in Suruga Bay, Japan. *Aquacult. Sci.*, 66(2): 103–109.

Doi, W., K. Murakami, M. Yoshioka, A. Mizutani, S. Shimokawa and H. Kohno(2018). Numerical analysis for dispersal and recruitment of pelagic larvae of the land crabs in Amitori Bay, Iriomote Island. *J. JSCE, Ser. B2 (Coast. Engr.)*, 74(2): I_462–I_467.

Endo, H., H. Fukuda, D. Takahashi, Y. Okumura, E. Inomata, K. Ito, C. Yoshimizu, I. Tayasu and T. Nagata (2018). Influence of isotope fractionation on the nitrogen isotope composition of the brown macroalga *Undaria pinnatifida*., *Phycol. Res.*, 66(4): 262–268.

Fukumoto, R., I. A. Borlongan, G. N. Nishihara, **H. Endo** and **R. Terada** (2018). Photosynthetic responses to photosynthetically active radiation and temperature including chilling-light stress on the heteromorphic life history stages of a brown alga, *Cladosiphon okamuranus* (Chordariaceae) from Ryukyu Islands, Japan. *Phycol. Res.*, 66(3): 209–217.

Gao, Xu., **H. Endo** and Y. Agatsuma (2018). Seasonal changes in photosynthesis, growth, nitrogen accumulation, and salinity tolerance of *Chaetomorpha crassa* (Cladophorales, Chlorophyceae). *J. Appl. Phycol.*, 30(3): 1905–1912.

Gao, Xu., **H. Endo** and Y. Agatsuma (2018). Comparative study on the physiological differences between three *Chaetomorpha* species from Japan in preparation for cultivation. *Appl. Phycol.*, 30(2): 1167–1174.

Hata H., **J. Ohtomi** and H. Motomura(2018). First and northernmost records of *Lethrinus erythracanthus* (Perciformes: Lethrinidae) from Kagoshima Prefecture, southern Japan. *Nature of Kagoshima*, 44: 377–381, in Japanese

Hata H., **J. Ohtomi** and H. Motomura (2018). First record of *Gephyroberyx japonicus* (Beryciformes: Trachichthyidae) from Kagoshima Bay, southern Japan. *Nature of Kagoshima*, 44: 95–100, in Japanese

Hayasaka, O., K. Nagata, M. Kakiuchi, M. Miyamoto, **M.**

- Ishizaki** and **T. Kotani** (2018). Creation of new project of aquaculture in the University of Magdalena, Colombia and the role of JICA collaborative volunteer program between universities by dispatch of student in its project. *J. Intl. Cooper. Agric. Dev.*, 16: 31–40.
- Honda, A., P, Chigwechokha., Y, Kamada-Futagami., M, Komatsu. and **K, Shiozaki** (2018). Unique nuclear localization of Nile tilapia (*Oreochromis niloticus*) Neu4 sialidase is regulated by nuclear transport receptor importin alpha/beta. *Biochimie*.142, 94–104
- Ide, M., Okumura, M., Koizumi, K., **Kumagai, M.**, Yoshida, I., Yoshida, M., Mishima, T. and Nakamura, M. (2018). Novel method to quantify β -glucan in processed foods: sodium hypochlorite extracting and enzymatic digesting (SEED) Assay. *J. Agric. Food Chem.*, 66(4): 1033–1038.
- Ieda, R., S. Hosoya, S. Tajima, K. Atsumi, T. Kamiya, A. Nozawa, Y. Aoki, **S. Tasumi**, T. Koyama, O. Nakamura, Y. Suzuki and K. Kikuchi (2018). Identification of the sex-determining locus in grass puffer (**Takifugu niphobles**) provides evidence for sex-chromosome turnover in a subset of Takifugu species. *Pagrus major*, *PLoS One.*, 13(1): e0190635.
- Iwata, Y., **S. Okunishi**, S. N. Nuñal, A. A. Regal, M. Nakano and **H. Maeda** (2018). Algicidal activity and dynamics of a *Heterosigma akashiwo*-killing bacterium in the presence of marine bacteria. *J. Antibact. Antifung. Agents.*, 46(8): 337–342
- Kang, K., **K. Ebata**, S. Kim and S. Fuwa (2018). Characteristics of hydrodynamic force acting on pots used in coastal and inland waters in Korea and Japan. *Nippon Suisan Gakkaishi*, 84(2), 194–201.
- Kato, S., T. Matsui, C. Gatsogiannis and Y. Tanaka (2018). Molluscan Hemocyanin: Structure, Evolution, and Physiology. *Aquaculture Science* **65**: 133–144
- Kato, S.**, T. Matsui and Y. Tanaka (2018). Crystal structure of 3.8 MDa respiratory protein complex Hemocyanin. *Seikagaku (The Japanese Biochemical Society)*, 90(2): 238–243.
- Khatun, D., M.Y.Hossain, M. F. Parvin and **J. Ohtomi** (2018). Temporal variation of sex ratio, growth pattern and physiological status of *Eutropiichthys vacha* (Schilbeidae) in the Ganges River, NW Bangladesh. *Zool. Ecol.* 28(4): 343–354
- Kobari, T.**, W. Makihara, T. Kawafuchi, K. Sato and G. Kume (2018). Geographic variability in taxonomic composition, standing stock, and productivity of the mesozooplankton community around the Kuroshio Current in the East China Sea, *Fish. Oceanogr.*, 27: 336–350.
- Kobayashi S. and **M. Vazquez Archdale** (2018). Growth and reproductive ecology of the portunid crab *Charybdis japonica* in an open seacoast and an inland bay in Fukuoka, Japan. *Journal of Sea Research* 142: 52–65
- Komai, T. and **J. Ohtomi** (2018). A new deep-sea species of the snapping shrimp genus *Alpheus* Fabricius, 1798 (Decapoda: Caridea: Alpheidae) from Kagoshima Bay, Japan. *Zootaxa*, 4221(5): 575–593
- Kozono, J., G. N. Nishihara, **H. Endo** and **R. Terada** (2018). Effect of temperature and PAR on photosynthesis of an endangered freshwater red alga, *Thorea okadae*, from Kagoshima, Japan. , *Phycologia*, 57(6): 619–629.
- Kumagai, M.**, Watanabe, A., Yoshida, I., Mishima, T., Nakamura, M., Nishikawa, K. and Morimoto, Y. (2018). Evaluation of aculeatin and toddaculin isolated from *toddalia asiatica* as anti-inflammatory agents in LPS-stimulated RAW264 macrophages. *Biolo. Pharm. Bull.*, 41(1): 132–137.
- Kumagai, M.**, Nishikawa, K., Matsuura, H., Umezawa, T., Matsuda, F. and Okino, T. (2018). Antioxidants from the brown alga *Dictyopteris undulata*. *Molecules*, 23(5): 1214.
- Matsumoto, M., K, Araki., S, Nishimura., H, Kuriyama., T, Nakanishi., **K, Shiozaki.**, Y, Takeuchi. and A, Yamamoto (2018). Adjuvant effect in aquaculture fish of cell-wall glycolipids isolated from acid-fast bacteria. *Dev. Comp. Immunol.*, 85, 142–149
- Matsumoto, M., MT, Amer., K, Araki., A, Nishitani., K, Hayashi., Y, Takeuchi., **K, Shiozaki.** and A, Yamamoto (2018). Adjuvant effect of recombinant interleukin-12 in the

- Nocardiosis formalin-killed vaccine of the amberjack *Seriola dumerili*, Fish. Sci., 84, 857–867
- Miyagi, T., K. Takahashi., K. Yamamoto., **K. Shiozaki.**, K. and Yamaguchi (2018). Biological and Pathological Roles of Ganglioside Sialidases. Prog. Mol. Biol. Transl. Sci., 156, 121–150
- Nawar, F., Hossain, M.Y., Sarwar, M.G., Rahman, O., Ahmed, Z.F., Khatun, D., Parvin, M. F., Ahamed, F. and **J. Ohtomi** (2018). Growth, Maturity and Form Factor of **Mola Carplet** *Amblypharyngodon mola* from the Ganges River, Northwestern Bangladesh., Jordan J. Biol. Sci. 11(4): 375–380
- Nishi, R.** and Y. Tsurunari (2018). Fundamental research on an application of a drone to aquatic environment. J. Civil Engineering B3(Ocean Development) Vol. 74, No.2, pp. I_1006-I_1011
- Ohtomi, J.**, F. Ahamed, M. M. Rahman and H. Fukushima (2018). Distribution patterns and population dynamics of the pandalid shrimp *Plesionika izumiae* (Decapoda, Caridea) in a unique semi-enclosed deep-water bay environment. Crustaceana 91(9): 1073–1096
- Rahman M. M., M. Y. Hossain, M. A. S. Jewel, M. M. Billah and **J. Ohtomi** (2018). Population biology of the pool barb *Puntius sophore* (Hamilton 1822) (Cyprinidae) in the Padma River, Bangladesh. Zool. Ecol., 28 (2): 100–108
- Rahman, M.M. and **J. Ohtomi** (2018). Recruitment, growth patterns and longevity of the deep-water velvet shrimp *Metapenaeopsis sibogae* (Decapoda: Penaeidae). J. Crust. Biol., 38(5): 552–562
- Rahman, M.M. and **J. Ohtomi**, (2018). Relative growth and morphological sexual maturity of the deep-water velvet shrimp *Metapenaeopsis sibogae* (Crustacea, Decapoda, Penaeidae), Invertebr. Reprod. Dev. 62 (3): 125–132
- Rahman, M.M. and **J. Ohtomi** (2018). Biometric relationships of the deep-water velvet shrimp *Metapenaeopsis sibogae* (De Man, 1907) (Crustacea: Decapoda: Penaeidae) in Kagoshima Bay, Japan. Zool. Ecol., 28(4): 365–375
- Rahman, M.M., M.Y.Hossain, A.S.Tumpa, M.I.Hossain, M.M. Billah and **J. Ohtomi** (2018). Size at sexual maturity and fecundity of the mola carplet *Amblypharyngodon mola* (Hamilton 1822) (Cyprinidae) in the Ganges River, Bangladesh. Zool. Ecol. 28(4): 429–436, in Japanese
- Sanuki, H., T. Komai and **J. Ohtomi** (2018). Record of the freshwater shrimp *Atyoida pilipes* (Decapoda: Caridea: Atyidae) from Kuchinoerabu-jima Island, Kagoshima Prefecture, Japan, representing the northernmost record of the species. Bull. biogeogr. Soc. Japan, 73: 143–148
- Shumoto, G., K. Ueda, S. Yamaguchi, T. Kaneshima, T. Konno, Y. Terashima, **A. Yamamoto**, L. A. Nagashima . E. N. Itano and A. Sano (2018). Immunohistochemical Cross-Reactivity Between *Paracoccidioides* sp. from Dolphins and *Histoplasma capsulatum*. Mycopathologia, 183: 793–803
- Sotka, E. E., A. W. Baumgardner, P. M. Bippus, C. Destombe, E. A. Duermit, **H. Endo**, B. A. Flanagan, M. Kamiya, L. E. Lees, C. J. Murren, M. Nakaoka, S. J. Shainker, A. E. Strand, **R. Terada**, M. Valero, F. Weinberger and S. A. Krueger-Hadfield (2018). Combining niche shift and population genetic analyses predicts rapid phenotypic evolution during invasion. Evol. Appl., 11(5): 781–793.
- Sotoyama, Y., **S. Yokoyama**, M. Ishikawa, S. Koshio, H. Hashimoto, H. Oku and T. Ando (2018). Effects of a superoptimal temperature on aquacultured yellowtail *Seriola quinqueradiata*. Fish. Sci., 84(6): 1063–1071.
- Tago, A., **S. Yokoyama**, M. Ishikawa and S. Koshio(2018).. Pharmacokinetics of Eugenol in Japanese flounder *Paralichthys olivaceus*. J. World Aquacult. Soc., 49(4): 780–787.
- Takagi M, **Uno S, Kokushi E**, Sato F, Wijayagunawardane M and Fink-Gremmels J. (2018). Measurement of urinary concentrations of the mycotoxins zearalenone and sterigmatocystin as biomarkers of exposure in mares. Reprod Domest Anim. 53(1): 68–73.
- Takagi, S., Y. Murata, E. Inomata, **H. Endo**, M. N. Aoki and Y. Agatsuma (2018). Dietary effect of kelp (*Saccharina japonica*) on gonad quantity and quality in sea urchins (*Mesocentrotus*

- nudus) collected from a barren before the fishing season. *J. Shellfish Res.*, 37 (3): 659–669.
- Takahashi, D., **H. Endo**, Y. Minegishi, Y. Gomi and K. Kaneko (2018). Wind and density driven circulation in a bay on the Sanriku ria coast, Japan: study of Shizugawa Bay facing the Pacific Ocean. *J. Oceanogr.*, 74(1): 81–100.
- Takumi, S.**, T. Shimono, S. Ikema, Y. Hotta, P. Chigwechokha, **K. Shiozaki**, Y. Sugiyama, M. Hashimoto, T. Furukawa and M. Komatsu (2018). O Pharmacokinetics of Eugenol in Japanese flounder *Paralichthys olivaceus*. *J. World Aquacult. Soc.*, 49(4): 780–787.
- Terada, R.**, K. Matsumoto, I. A. Borlongan, Y. Watanabe, G. N. Nishihara, **H. Endo** and S. Shimada (2018). The combined effects of PAR and temperature including the chilling-light stress on the photosynthesis of a temperate brown alga, *Sargassum patens* (Fucales), based on field and laboratory measurements. *J. Appl. Phycol.*, 30(3): 1893–1904.
- Terada, R.**, Y. Nakazaki, I. A. Borlongan, **H. Endo** and G. N. Nishihara (2018). Desiccation effect on the PSII photochemical efficiency of cultivated Japanese Caulerpa lentillifera under the shipping package environment. *J. Appl. Phycol.*, 30(4): 2533–2538.
- Terada, R.**, K. Nakahara, I. A. Borlongan, Y. Watanabe, T. Mine, T. Morikawa, T. Igari, H. Nishi, **H. Endo** and G. N. Nishihara (2018). Combined effects of irradiance and temperature on the PSII photochemical efficiency in the heteromorphic life history stages of cultivated *Pyropia* (Bangiales): *P. yezoensis* f. *narawaensis* and *P. tenera* from Japan. *J. Appl. Phycol.*, 31(2): 1251–1257.
- Toda K, **Uno S**, **Kokushi E**, Shiiba A, Hasunuma H, Matsumoto D, Ohtani M, Yamato O, Shinya U, Wijayagunawardane M, Fink-Gremmels J, Taniguchi M and Takagi M. (2018). Fructo-Oligosaccharide (DFA III) Feed Supplementation for Mitigation of Mycotoxin Exposure in Cattle-Clinical Evaluation by a Urinary Zearalenone Monitoring System. *Toxins (Basel)*. 10(6)
- Tsurunari, Y. S. Morooka, K. Uchida, M. Nakai and **R. Nishi** (2018). Environmental study of Ryuujuinike Inlet - water quality and water exchange-J. Civil Engineering B3(Ocean Development) Vol. 74, No.2, pp. 1018-I_1023
- Waqalevu, VP., A. Honda., H. Matsui., **K. Shiozaki.** and **T. Kotani** (2018). Proteolytic digestive enzyme response in Japanese flounder larve *Paralichthys olivaceus* red two types of rotifers *Brachionus plicatilis* species complex, *Fish Sci.*, 84, 1037–1049
- Waqalevu, V., A. Honda, H. Matsui, **K. Shiozaki** and **T. Kotani** (2018). Proteolytic digestive enzyme response in Japanese flounder *Paralichthys olivaceus* fed two types of rotifers *Brachionus plicatilis* species complex. *Fisheries Sci.*, 84(6): 1037–1049.
- Yamamoto T.**, T. Kagohara, K. amamoto, S. Kamimura and M. Hamaguchi (2018). Distribution of *Batillaria multiformis* and *B. attramentaria* (Batillariidae) in southern Kyushu. *Plankton and Benthos Research*, 13: 10–16.
- Yanagisawa, H., Y. Seki, S. Yogosawa, **S. Takumi**, H. Shimizu and M. Suka. (2018). Potential role of mitochondrial damage and S9 mixture including metabolic enzymes in ZnO nanoparticles-induced oxidative stress and genotoxicity in Chinese hamster lung (CHL/IU) cells. *Mutat. Res. Genet. Toxicol. Environ. Mutagen.*, 834: 25–34.