

2016 ANNUAL CONTRIBUTIONS

Author Index

- Amengual-Ramis, J.F., M. Vázquez-Archdale, C. Cánovas-Pérez, B. Morales-Nin (2016) The artisanal fishery of the spiny lobster *Palinurus elephas* in Cabrera National Park, Spain: Comparative study on traditional and modern traps with trammel nets. *Fish. Res.*, **179**: 23–32.
- Bar, I., A. Smith, E. Bubner, G. Yoshizaki, Y. Takeuchi, R. Yazawa, B.N. Chen, S. Cummins, A.Elizur. (2016) Assessment of yellowtail kingfish (*Seriola lalandi*) as a surrogate host for the production of Southern bluefin tuna (*Thunnus maccoyii*) seed via spermatogonial germ cell transplantation. *Reprod. Fertil., Dev.* **28**: 2051–2064.
- Bulbul, M., M.A. Kader, Md. Asaduzzaman, M.A. Ambak, A.J.K. Chowdhury, M.S. Hossain, M. Ishikawa, S. Koshio (2016) Can canola meal and soybean meal be used as major dietary protein sources for kuruma shrimp, *Marsupenaeus japonicus*? *Aquacult.*, **452**: 194–199.
- Dawood, M.A.O., S. Koshio (2016) Recent advances in the role of probiotics and prebiotics in carp aquaculture: A review. *Aquacult.*, **454**: 243–251.
- Dawood, M.A.O., S. Koshio, M. Ishikawa, M. El-Sabagh, M.A. Esteban, A.I. Zaineldin (2016) Probiotics as an environment-friendly approach to enhance red sea bream, *Pagrus major* growth, immune response and oxidative status *Fish Shellfish. Immunol.*, **57**: 170–178.
- Dawood, M.A.O., S. Koshio, M. Ishikawa, S. Yokoyama (2016) Immune responses and stress resistance in red sea bream, *Pagrus major*, after oral administration of heat-killed *Lactobacillus plantarum* and vitamin C. *Fish Shellfish. Immunol.*, **54**: 266–275.
- Dawood, M.A.O., S. Koshio, M. Ishikawa, S. Yokoyama (2016) Effects of dietary inactivated *Pediococcus pentosaceus* on growth performance, feed utilization and blood characteristics of red sea bream, *Pagrus major* juvenile. *Aquacult. Nutr.*, **22**: 923–932.
- Dawood, M.A.O., S. Koshio, M. Ishikawa, S. Yokoyama, M.F. El Basuini, M.S. Hossain, T.H. Nhu, S. Dossou, A.S. Moss (2016) Effects of dietary supplementation of *Lactobacillus rhamnosus* or/and *Lactococcus lactis* on the growth, gut microbiota and immune responses of red sea bream, *Pagrus major*. *Fish Shellfish. Immunol.*, **49**: 275–285.
- El-Basuini, M.F., A.M. El-Hais, M.A.O. Dawood, A.E.S. Abou-Zeid, S.Z. EL-Damrawy, M.M.E.S. Khalafalla, S. Koshio, M. Ishikawa, S. Dossou, (2016) Effect of different levels of dietary copper nanoparticles and copper sulphate on growth performance, blood biochemical profiles, antioxidant status and immune response of red sea bream (*Pagrus major*). *Aquacult.*, **455**: 32–40.
- Endo, T., M. Ishida, R. Yazawa, Y. Takeuchi, N. Kumakura, T. Hara, S. Adachi (2016) Mass production of fertilized eggs by artificial insemination from captive-reared Pacific bluefin tuna (*Thunnus orientalis*). *Aquacult.*, **451**: 72–77.
- Farhana Z. J. Ohtomi (2016) Ovarian maturation, size at sexual maturity and spawning season of *Parapenaeus fissuroides* Crosnier, 1985 (Decapoda: Penaeidae). *J. Crust. Biol.*, **36**: 815–822.
- Funahashi, A., M. Komatsu, T. Furukawa, Y. Yoshizono, H. Yoshizono, Y. Orikawa, S. Takumi, K. Shiozaki, S. Hayashi, Y. Kaminishi, T. Itakura (2016) Eel green fluorescent protein is associated with resistance to oxidative stress. *Comp. Biochem. Physiol. C*, **181–182**: 35–39.
- Honda, M.C., H. Kawakami, K. Matsumoto, M. Wakita, T. Fujiki, Y. Mino, C. Sukigara, T. Kobari, M.

- Uchimiya, R. Kaneko, T. Saino (2016) Comparison of sinking particles in the upper 200 m between subarctic station K2 and subtropical station S1 based on drifting sediment trap experiments. *J. Oceanogr.*, **72**: 373–386.
- Hossain, M.S., S. Koshio, M. Ishikawa, S. Yokoyama, N.M. Sony (2016) Dietary effects of adenosine monophosphate to enhance growth, digestibility, innate immune responses and stress resistance of juvenile red sea bream, *Pagrus major*. *Fish Shellfish. Immunol.*, **56**: 523–533.
- Hossain, M.S., S. Koshio, M. Ishikawa, S. Yokoyama, N.M. Sony (2016) Effects of dietary administration of guanosine monophosphate on the growth, digestibility, innate immune responses and stress resistance of juvenile red sea bream, *Pagrus major*. *Fish Shellfish. Immunol.*, **57**: 96–106.
- Hossain, M.S., S. Koshio, M. Ishikawa, S. Yokoyama, N.M. Sony, M.A.O. Dawood, M.A. Kader, M. Bulbul, T. Fujieda (2016) Efficacy of nucleotide related products on growth, blood chemistry, oxidative stress and growth factor gene expression of juvenile red sea bream, *Pagrus major*. *Aquacult.*, **464**: 8–16.
- Hossain, M.S., S. Koshio, M. Ishikawa, S. Yokoyama, N.M. Sony, S. Oono, T. Fujieda (2016) Comparison of the effects of inosine and inosine monophosphate on growth, immune response, stress resistance and gut morphology of juvenile red sea bream, *Pagrus major*. *Aquacult.*, **458**: 64–74.
- Hossain, M.S., S. Koshio, M. Ishikawa, S. Yokoyama, N.M. Sony (2016) Dietary nucleotide administration influences growth, immune responses and oxidative stress resistance of juvenile red sea bream (*P. major*). *Aquacult.*, **455**: 41–49.
- Kabeya, N., Y. Takeuchi, R. Yazawa, Y. Haga, S. Satoh, G. Yoshizaki (2016) Transgenic modification of the n-3 HUFA biosynthetic pathway in nibe croaker larvae: improved DPA (docosapentaenoic acid; 22:5n-3) production. *Aquacult. Nutr.*, **22**: 472–478.
- Kanouchi, H., T. Kakimoto, H. Nakano, Y. Nakai, K. Shiozaki, K. Akikoka, K. Otomaru, M. Matsumoto, M. Nagano (2016) The brewed rice vinegar Kurozu increases HSPA1A expression and ameliorates cognitive dysfunction in aged P8 mice. *PLoS One*, **4**: e0150769
- Kitamura, M., T. Kobari, M. C. Honda, K. Matsumoto, K. Sasaoka, R. Nakamura, K. Tanabe (2016) Seasonal changes in the mesozooplankton biomass and community structure in subarctic and subtropical time series stations in the western North Pacific. *J. Oceanogr.*, **72**: 387–402.
- Kobari, T., R. Nakamura, K. Unno, M. Kitamura, K. Tanabe, H. Nagafuku, A. Niibo, H. Kawakami, K. Matsumoto, M. C. Honda (2016) Seasonal variability of carbon demands and flux by mesozooplankton community at subarctic and subtropical sites in the western North Pacific Ocean. *J. Oceanogr.*, **72**: 403–418.
- Kobari, T., S. Kori, H. Mori (2016) Ontogenetic variations in dry mass and nucleic acids contents of *Artemia salina*. *Plankton Benthos Res.*, **11**: 1–8.
- Kobayashi S. and M. Vazquez-Archdale (2016) Selectivity of two methods for surveying the Japanese mitten crab, *Eriocheir japonica* (De Haan, 1835), in a riverine environment. *J. Crust. Biol.*, **36**: 1–11.
- Koshio, S. (2016) Immunotherapies targeting fish mucosal immunity – Current knowledge and future perspectives. *Frontiers Immunol.*, **6**: 643–646.
- Kotani, T., H. Imari, A. Miyashima, H. Fushimi (2016) Effects of feeding with frozen freshwater cladoceran *Moina macrocopa* on the performance of red sea bream *Pagrus major* larviculture. *Aquacult. Int.*, **24**: 183–197.
- Koyama, J., S. Nigaya, A. Takenouchi, E. Kokushi, S. Uno (2016) Bioaccumulation of environmental organotin compounds in translocated rock shell *Thais clavigera* in Kagoshima Bay. *Fish. Sci.*, **82**: 975–982

- Koyama, J., S. Uno, Y. Nagai, B. Anukorn (2016) Early monitoring of spilled oil contamination in Rayong, Thailand. *Jpn. J. Environ Toxicol.*, **19**: 25–33
- Matsumoto, M., K. Hayashi, H. Suetake, A. Yamamoto, K. Araki (2016) Identification and functional characterization of multiple interleukin12 in amberjack (*Seriola dumerili*). *Fish Shellfish Immunol.*, **55**: 281–292.
- Michael, F.R. and S. Koshio (2016) Effect of choline chloride as an osmoregulator as well as its role in growth and the biochemical content of postlarval kuruma shrimp; *Marsupenaeus japonicas* (Bate). *Aquacult. Nutr.*, **22**: 597–605.
- Nishina, A., H. Nakamura, J.H. Park, D. Hasegawa, Y. Tanaka, S. Seo, T. Hibiya (2016) Deep ventilation in the Okinawa Trough induced by Kerama Gap overflow. *J. Geophys. Res. (Oceans)*, **121**: 6092–6102.
- Nurulnadia, M.Y. , J. Koyama, S. Uno S, H. Amano (2016) Biomagnification of endocrine disrupting chemicals (EDCs) by *Pleuronectes yokohamae*: Does *P. yokohamae* accumulate dietary EDCs? *Chemosphere*. **144**: 185–192.
- Rahman, M.M., M.Y. Hossain, S. Parvin, M.S. Rahman, Z. F. Ahmed, J. Ohtomi, E. F. A. Allah (2016) Fecundity of the Threatened Fish, *Mystus vittatus* (Siluriformes: Bagridae) in the Padma River, Bangladesh. *Sains Malays.*, **45**: 899–907.
- Ryuzono, S., R. Takase, K. Oishi, A. Ikeda, P. Chigwechokha, A. Funahashi, M. Komatsu, T. Miyagi, K. Shiozaki (2016) Lysosomal localization of Japanese medaka (*Oryzias latipes*) Neu1 sialidase and its highly conserved enzymatic profiles with human. *Gene*, **575**: 513–523.
- Santander-de Leon, S., R. Wolfgang, P. Shielameh, M. San Diego, L. Maria, S. Nuñal, H. Wei, T. Yoshikawa, S. Okunishi, H. Maeda (2016) Bacterial community composition of sediments from a milkfish *Chanos Forsskål* farm. *Aquacut. Res.*, **47**: 2569–2581.
- Shiozaki, K., Y. Harasaki, M. Fukuda, A. Yoshinaga, S. Ryuzono, P. Chigwechokha, M. Komatsu, T. Miyagi (2016) Positive regulation of myoblast differentiation by medaka Neu3b sialidase through ganglioside desialylation. *Biochimie*, **123**: 65–72.
- Torii, T. (2016) Diversification of fishery resource use and fishery management on Yoron Island. The Amami Islands, 36–43
- Torii, T., J. Kitolelei (2016) The understanding of fishery rules in Fiji coastal communities—A comparison of four case studies. *J. Regional Fish.*, **57**: 79–93.
- Wakita, M., M. C. Honda, K. Matsumoto, T. Fujiki, H. Kawakami, S. Yasunaka, Y. Sasai, C. Sukigara, M. Uchimiya, M. Kitamura, T. Kobari, Y. Mino, A. Nagano, S. Watanabe, T. Saino (2016) Biological organic carbon export estimated from the annual carbon budget observed in the surface waters of the western subarctic and subtropical North Pacific Ocean from 2004 to 2013. *J. Oceanogr.*, **72**: 665–685.
- Wei, H., S. Okunishi, T. Yoshikawa, Y. Kamei, H. Maeda (2016) Isolation and characterization of a purple non-sulfur photosynthetic bacterium *Rhodopseudomonas faecalis* Strain A from Swine Sewage Wastewater. *Biocontrol Sci.*, **21**: 29–36.
- Yamaoka, H., H. Nakayama-Imaohji, I. Horiuchi, H. Yamasaki, T. Nagao, Y. Fujita, H. Maeda, H. Goda, T. Kuwahara (2016) Tetramethylbenzidine method for monitoring the free available chlorine and microbicidal activity of chlorite-based sanitizers under organic-matter-rich environments. *Lett. Appl. Microbiol.*, **62**: 47–54.
- Yazawa, R., Y. Takeuchi, K. Satoh, Y. Machida, K. Amezawa, N. Kabeya, Y. Shimada, G. Yoshizaki (2016) Eastern little tuna, *Euthynnus affinis* (Cantor, 1849) mature and reproduce within 1 year of rearing in

land-based tanks. *Aquacult. Res.*, **47**: 3800–3810.

Yongo, E., J. Manyala, J. Njiru, N. Outa, K. Kito, Y. Matsushita (2016) Length-weight relationship, Condition factor, Sex ratio, Gonadal Somatic Index and Size at Maturity of Omena, *Rastrineobola argentea* (Pellegrin, 1904) in Lake Victoria, Kenya. *Int. J. Adv. Res.*, **4**: 1740–1746

Yoshimoto, K., H. T. V. Anh, A. Yamamoto, C. Koriyama, Y. Ishibashi, M. Tabata, A. Nakano, M. Yamamoto (2016) Simple analysis of total mercury and methylmercury in seafood using heating vaporization atomic absorption spectrometry *J. Toxicol. Sci.*, **41**: 489–500.

Yoshinaga, A., N. Kajiya, K. Oishi, Y. Kamada, A. Ikeda, P. Chigwechokha, T. Kibe, M. Kishida, S. Kishida, M. Komatsu, K. Shiozaki (2016) NEU3 inhibitory effect of naringin suppresses cancer cell growth by attenuation of EGFR signaling through GM3 ganglioside accumulation. *Eur. J. Pharmacol.*, **782**: 21–29.