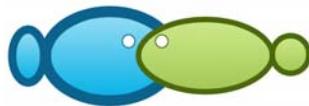


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Molina A. J., Abisado R. G., Calugay R. J., 2016 Bioluminescent *Vibrio spp.* with antibacterial activity against the nosocomial pathogens *Staphylococcus aureus* and *Klebsiella pneumoniae*. AACL Bioflux 9(2):185-194.

Cadiz R. E., Traifalgar R. F. M., Sanares R. C., Andrino-Felarca K. G. S., Corre Jr. V. L., 2016 Comparative efficacies of tilapia green water and biofloc technology (BFT) in suppressing population growth of green Vibrios and *Vibrio parahaemolyticus* in the intensive tank culture of *Penaeus vannamei*. AACL Bioflux 9(2):195-203.

Cuadrado J. T., Canizares L. P., Carino R. L., Seronay R. A., 2016 Status of corals and reef fishes community near mining operation site in Tubay, Agusan del Norte, Philippines. AACL Bioflux 9(2):204-214.

Arizo M. A. Z., Beroncal R. A. G., Chua W. A. K. T., Lim J. J. E., Rogando K. C. S., Maningas M. B. B., 2016 Immune response of *Macrobrachium rosenbergii* immersed in aqueous extract of *Gracilaria edulis* challenged with white spot syndrome virus. AACL Bioflux 9(2):215-226.

Akbarnezhad M., Shamsaie Mehrgan M., Kamali A., Javaheri Baboli M., 2016 Bioaccumulation of Fe+2 and its effects on growth and pigment content of spirulina (*Arthrospira platensis*). AACL Bioflux 9(2):227-238.

Solidum N. S., Sanares R. C., Andrino-Felarca K. G. S., Corre Jr. V. L., 2016 Immune responses and resistance to vibriosis of juvenile Pacific whiteleg shrimp *Penaeus vannamei* fed with high dose mannan oligosaccharide and beta-glucan. AACL Bioflux 9(2):239-249.

Baleta F. N., Nalleb J. P., 2016 Species composition, abundance and diversity of seaweeds along the intertidal zone of Nangaramoan, San Vicente, Sta. Ana, Cagayan, Philippines. AACL Bioflux 9(2):250-259.

Hingabay V. S., Kamantu H. G., Protacio K. J. T., Lobredo G. G., Torres M. A. J., Requieron E. A., 2016 Fluctuating asymmetry as a measure of developmental stability of three-spotted gourami, *Trichopodus trichopterus* (Pallas, 1770) in Lake Sebu, South Cotabato, Philippines. AACL Bioflux 9(2):260-269.

Sunarti Y., Soejoendono R. D., Mayasari N. L. P. I., Tahya A. M., 2016 RNA expression of farnesoic acid O-methyl transferase in mandibular organ of intermolt and premolt mud crabs *Scylla olivacea*. AACL Bioflux 9(2):270-275.

Maslim, Farajallah A., Zamani N. P., 2016 Leatherback turtle (*Dermochelys coriacea*) populations in Sumatra: genetic diversity and connectivity pattern. AACL Bioflux 9(2):276-283.

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Fauzi M., Dahelmi D., Zakaria I. J., Tang U. M., 2016 Biological aspects of lelan fish, *Diplochellichthys pleurotaenia* (Cyprinidae) from the upstream and downstream of the Kampar River, Riau Province, Indonesia. AACL Bioflux 9(2):305-315.

Pahri S. D. R., Mohamed A. F., Samat A., 2016 Preliminary water quality study in cockle farming area in Malaysia: a case study in Jeram, Selangor. AACL Bioflux 9(2):316-325.

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Nugroho R. A., Santoso Y. G. G., Nur F. M., Hariani N., Solikin S., 2016 A preliminary study on the biodiversity of fish in the Suhui River, Muara Ancalong, East Kutai, Indonesia. AACL Bioflux 9(2):345-351.

Lainin A., Usman U., Syah R., 2016 Aquatic weed *Ceratophyllum sp.* as a dietary protein source: its effects on growth and fillet amino acid profile of rabbitfish, *Siganus guttatus*. AACL Bioflux 9(2):352-359.

Feliatra F., Lukistyowati I., Yoswati D., Rerian H., Melina D., Hasyim W., Nugroho T. T., Fauzi A. R., Yolanda R., 2016 Phylogenetic analysis to compare populations of acid tolerant bacteria isolated from the gastrointestinal tract of two different prawn species *Macrobrachium rosenbergii* and *Penaeus monodon*. AACL Bioflux 9(2):360-368.

Yuangsoi B., Wongmaneeprateep S., Sangsue D., 2016 The optimal dietary DL-methionine on growth performance, body composition and amino acids profile of Pangasius fish (*Pangasius bocourti*). AACL Bioflux 9(2):369-378.

Racman G. M. P., Madamba M. R. S. B., Nuneza O. M., Rivero H. I., 2016 The influence of Trichanthera leaf meal on the early development of Nile tilapia (*Oreochromis niloticus*) gonad. AACL Bioflux 9(2):379-388.

Hidayani A. A., Tassakka A. C. M. A. R., Parenrengi A., 2016 Isolation and characterization of an envelope protein (VP19) of a White Spot Syndrome Virus from diseased vannamei (*Litopenaeus vannamei*) in Indonesia. AACL Bioflux 9(2):389-395.

Gonzales B. J., Gonzales M. M. G., 2016 Trends of coral, fish and fisheries near and far from human developments in coral bay, Southwest Sulu Sea, Palawan, Philippines. AACL Bioflux 9(2):396-407.

Hasanuddin, Muslim, Putra B. S., Nur A., Rimmer M. A., 2016 Aquatic weed *Ceratophyllum sp.* as a low-cost feed for brackishwater pond culture of tilapia, *Oreochromis niloticus*. AACL Bioflux 9(2):408-413.

Panchai K., Hanjavanit C., Sangpradub N., Hatai K., 2016 Anti-oomycetic effect of copper sulfate in vitro on Achlya spp. isolated from infected Nile tilapia (*Oreochromis niloticus*). AACL Bioflux 9(2):414-421.

Fadjar M., Andajani S., Zaelani K., 2016 Squid (*Loligo edulis*) ink raw extract as an anti-vibriosis substance in grouper (*Epinephelus fuscoguttatus*) juvenile culture infected by *Vibrio alginolyticus*. AACL Bioflux 9(2):422-428.

Corre Jr. V. L., Janeo R. L., Sanares R. C., Carton-Kawagoshi R. J., 2016 Physico-chemical and biological characteristics of closed bioaugmented and conventional open intensive shrimp culture systems in controlled conditions. AACL Bioflux 9(2):429-437.

Handayani H., Anggoro S., Hendrarto B., Kohar A., 2016 Analysis of management effectiveness of Local Marine Concervation Area (KKLD) Mayalibit Bay, Raja Ampat Regency, West Papua Province. AACL Bioflux 9(2):438-449.

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