

CONTENTS

Articles

- 527 Effect of the Human Probiotic Bacterium *Escherichia coli* Nissle (1917) on performance and immune response of Nile tilapia *Oreochromis niloticus*
Razan ZeinEddine, Nivin Nasser, Issmat Kassem, and I. Patrick Saoud
- 542 The institutional dimension on the fish farming activity in the Amacuzac basin: looking for ways to stem the loss of wetlands in central Mexico
Diego A. Kanchi, Elisabet V. Wehncke, and Xavier López-Medellín
- 564 Ambiguity tolerance and confusion avoidance in the intent to purchase farmed fish
Mohammed Ziaul Hoque, Mohammad Abul Bashar, and Farzana Akhter
- 598 The role of private companies in improving nutrition of consumer groups in a developing country: a hedonic analysis of tilapia attributes in Bangladesh
Afjal Hossain, Badiuzzaman, Max Nielsen, Sazedul Hoque, and Eva Roth
- 625 Gene expression and immune response of pacific white shrimp given *Bacillus* NP5 probiotic and honey prebiotic and *Vibrio parahaemolyticus* infection
Anzila Rizki Wahyu Muharrama, Widanarni Widanarni, Alimuddin Alimuddin, and Munti Yuhana
- 642 *Seriola lalandi* cultivated on integrated system with water recirculation and photovoltaic energy in the coastal area of Atacama desert
Julián Plaza, Evelyn Castro, Camila Sayes, Yanett Leyton, and Carlos Riquelme
- 658 Assessing cage culture potentiality of long whiskers catfish, *Mystus gulio* (Hamilton, 1822) in relation to climate change adaptation in Bangladesh coast
Mohammad Hossain, Md. Mostafiz, Saokat Ahamed, Mohammed Hassan, Md. Islam, Md. Baten, Md. Hoq, and Taslima Akter
- 674 Economic analysis of tilapia cage culture in Lake Victoria using different cage volumes
Safina Musa, Christopher Mulanda Aura, and John K. Okechi
- 693 Effect of different salinity concentrations on hatching rate and larval development of Patin buah, *Pangasius nasutus* (Bleeker, 1863)
Muhamad Zudaidy Jaapar, Muhammad Fitri Yusof, Hanan Mohd Yusof, Nur Siti Fatimah Ramli, Siti Norita Mohamad, and Zainoddin Jamari
- 702 Effect of Increasing Dietary High Protein Distillers Dried Grains on Yellow Perch *Perca flavescens* Performance
Aaron J. Von Eschen, Michael L. Brown, and Kurt Rosentrater
- 715 Effects of partial replacement of dietary fishmeal using plant-protein sources on the growth performance, coloration and liver histology of guppy fry (*poecilia reticulata*) in outdoor farming conditions
Krishni Manesha Nishshanka, Kumudu Radampola, and Vajira Bulugahapitiya
- 734 Apparent digestibility coefficients of banana peel, cassava peel, cocoa husk, copra waste, and sugarcane bagasse in the GIFT strain of Nile tilapia (*Oreochromis niloticus*)
Rodrigue Yossa, Nurulhuda Ahmad Fatan, Jana Kumari, and Johan W. Schrama

(Continues on next page)

(Continues from previous page)

- 755 Effect of biofloc technology on growth performance, digestive enzyme activity, proximate composition, and hematological parameters of Asian stinging catfish (*Heteropneustes fossilis*)
Md. Abu Zafar, Md. Abu Talha, and Md. Masud Rana
- 774 Enhancement in seed production of Pearlsplit, *Eetroplus suratensis* (Bloch) through improvisation in rearing techniques
B. Pradeep, K. K. Manoj, and P. Ratha Krishnan