

## CONTENTS

### Volume 28 Number 1 2020

#### Reviews

- 1 Management of the Grouper Export Trade in Indonesia  
*Miftakhul Khasanah, Nadiarti Nurdin, Yvonne Sadovy de Mitcheson, and Jamaluddin Jompa*
- 16 Host-Associated Probiotics: A Key Factor in Sustainable Aquaculture  
*Hien Van Doan, Seyed Hossein Hoseinifar, Einar Ringø, María Ángeles Esteban, Maryam Dadar, Mahmoud A. O. Dawood, and Caterina Faggio*
- 43 Trends in Global Aquaculture and Aquafeed Production: 2000–2017  
*Albert G. J. Tacon*
- 57 Current Status and Potential of Tropical Rock Oyster Aquaculture  
*Samantha J. Nowland, Wayne A. O'Connor, Matthew W. J. Osborne, and Paul C. Southgate*
- 71 Methods for Trophic Ecology Assessment in Fishes: A Critical Review of Stomach Analyses  
*Estevan Luiz da Silveira, Nabil Semmar, Joan E. Cartes, Victor M. Tuset, Antoni Lombarte, Eduardo Luis Cupertino Ballester, and André Martins Vaz-dos-Santos*
- 107 A Global Blue Revolution: Aquaculture Growth Across Regions, Species, and Countries  
*Taryn Garlock, Frank Asche, James Anderson, Trond Bjørndal, Ganesh Kumar, Kai Lorenzen, Andrew Ropicki, Martin D. Smith, and Ragnar Tveterås*
- 117 Marking Fish with Fluorochrome Dyes  
*Hongjian Lü, Mei Fu, Zhixin Zhang, Shengqi Su, and Weizhi Yao*

#### Book Review

- 136 The Future of Bluefin Tunas: Ecology, Fisheries Management, and Conservation  
*Bruce B. Collette*

### Volume 28 Number 2 2020

#### Reviews

- 139 Lactic Acid Bacteria in Shellfish: Possibilities and Challenges  
*Einar Ringø, Hien Van Doan, Soonho Lee, and Seong Kyu Song*
- 170 Stock Structure of Pacific Bluefin Tuna (*Thunnus orientalis*) for Management Purposes—A Review of Available Information  
*Shuya Nakatsuka*
- 182 Review of Sexual Maturity in Atlantic Bluefin Tuna, *Thunnus thynnus* (Linnaeus, 1758)  
*Aldo Corriero, Gilad Heinisch, Hanna Rosenfeld, Ivan Katavić, Letizia Passantino, Rosa Zupa, Leon Grubišić, and Molly E. Lutcavage*
- 193 Current Knowledge on the Biology and Aquaculture of the Endangered Asian Arowana  
*Gen Hua Yue, Alex Chang, A. Yuzer, and A Suwanto*
- 211 Catch-and-Release Influences on Inland Recreational Fisheries  
*Greg G. Sass and Stephanie L. Shaw*
- 228 Diverse Cooperative Field Membership and Small-Scale Producers' Access to Certification  
*Tram Anh Thi Nguyen and Curtis M. Jolly*
- 247 New Insights of Inhibins in Ovarian Physiology of Fish  
*Irshad Ahmad, Irfan Ahmad Bhat, Dhanashree D. Jagtap, C. Selvaa Kumar, S. Ferozekhan, and Luis O. B. Afonso*
- 260 Medicinal Herbs and Plants: Potential Treatment of Monogenean Infections in Fish  
*Hien Van Doan, Elahe Soltani, Jack Ingelbrecht, and Mehdi Soltani*

## Reviews

- 283 A Review on Shrimp Aquaculture in India: Historical Perspective, Constraints, Status and Future Implications for Impacts on Aquatic Ecosystem and Biodiversity  
*Mahesh Salunke, Amol Kalyankar, Chandraprakash D. Khedkar, Mahesh Shingare, and Gulab D. Khedkar*
- 303 Boosting Immune Function and Disease Bio-Control Through Environment-Friendly and Sustainable Approaches in Finfish Aquaculture: Herbal Therapy Scenarios  
*Seyed Hossein Hoseinifar, Yun-Zhang Sun, Zhigzhang Zhou, Hien Van Doan, Simon J. Davies, and R. Harikrishnan*
- 322 Associations between Ovarian Fluid and Sperm Swimming Trajectories in Marine and Freshwater Teleosts: A Meta-Analysis  
*Jaelen Nicole Myers, Alistair Senior, Vahid Zadmajid, Sune Riis Sørensen, and Ian Anthony Ernest Butts*
- 340 Nutrition and Feeding of Olive Flounder *Paralichthys olivaceus*: A Review  
*Ali Hamidoghli, Seonghun Won, Seunghyung Lee, Seunghan Lee, Nathaniel W. Farris, and Sungchul C. Bai*
- 358 Pathogenicity and Pathobiology of Epizootic Ulcerative Syndrome (EUS) Causing Fungus *Aphanomyces invadans* and Its Immunological Response in Fish  
*Praveen Kumar I, Purabi Sarkar, Stefi Raju V, Manikandan V, Ajay Guru, Aziz Arshad, Preetham Elumalai, and Jesu Arockiaraj*
- 376 A Global Review on the Biology of the Dolphinfish (*Coryphaena hippurus*) and Its Fishery in the Mediterranean Sea: Advances in the Last Two Decades  
*Vicenç Moltó, Pilar Hernández, Mauro Sinopoli, Amina Besbes-Benseddik, Raouf Besbes, Adriano Mariani, Miriam Gambin, Francisco Alemany, Beatriz Morales-Nin, Antoni Maria Grau, Juan Antonio Camiñas, José Carlos Báez, Marcelo Vasconcellos, Luca Ceriola, and Ignacio A. Catalán*

## Volume 28 Number 4 2020

### Reviews

- 421 Benefits of Dietary Butyric Acid, Sodium Butyrate, and Their Protected Forms in Aquafeeds: A Review  
*Hany M. R. Abdel-Latif, Mohsen Abdel-Tawwab, Mahmoud A. O. Dawood, Simon Menanteau-Ledouble, and Mansour El-Matbouli*
- 449 Fish for Health: Improved Nutritional Quality of Cultured Fish for Human Consumption  
*Albert G. J. Tacon, Daniel Lemos, and Marc Metian*
- 459 The Effect of Swim Bladder Presence and Morphology on Sound Frequency Detection for Fishes  
*Caroline J. Wiernicki, Dong Liang, Helen Bailey, and David H. Secor*
- 478 Reservoir Fish Habitats: A Perspective on Coping with Climate Change  
*L.E. Miranda, Giancarlo Coppola, and Jeff Boxrucker*
- 499 A Path to a Sustainable Trawl Fishery in Southeast Asia  
*Petri Suuronen, C. Roland Pitcher, Robert A. McConnaughey, Michel J. Kaiser, Jan G. Hiddink, and Ray Hilborn*
- 518 Knowledge Gaps and Management Priorities for Recreational Fisheries in the Developing World  
*Shannon D. Bower, Øystein Aas, Robert Arlinghaus, T. Douglas Beard, Ian G. Cowx, Andy J. Danylchuk, Kátia M. F. Freire, Warren M. Potts, Stephen G. Sutton, and Steven J. Cooke*
- 536 Marine Recreational Fishing in Portugal: Current Knowledge, Challenges, and Future Perspectives  
*Hugo Diogo, Pedro Veiga, Cristina Pita, Alina Sousa, David Lima, João Gil Pereira, Jorge M. S. Gonçalves, Karim Erzini, and Mafalda Rangel*