

- 15 RECENT RESEARCH HIGHLIGHT FROM THE JOURNAL  
OF THE WORLD AQUACULTURE SOCIETY
- 17 OBITUARY: WILLIAM L. SHELTON, 1939-2021
- 18 OBITUARY: JOHN T. HUGHES, 1922-2021
- 20 RADICAL AQUACULTURE: TRANSFORMATIONAL SOCIAL-ECOLOGICAL SYSTEMS  
THAT ADVANCE SUSTAINABLE DEVELOPMENT GOALS  
Barry Antonio Costa-Pierce
- 36 THE RISE AND FALL OF THE AQUACULTURE INDUSTRY IN MYANMAR  
Kevin Fitzsimmons
- 41 IMPROVING FISH AND PLANT HEALTH THROUGH MANIPULATION  
OF EH, pH AND EC INTERPLAY IN AQUAPONIC SYSTEMS  
George J. Pate, Victor Lobanov and Alyssa Joyce
- 52 IMPORTANCE OF ADEQUATE LIPID NUTRITION IN NILE TILAPIA  
RAISED IN THE SUBTROPICS  
Renata Oselame Nobrega, Camila Fernandes Corrêa and Débora Machado Fracalossi
- 59 IMPORTANCE OF PIT TAGGING IN AQUACULTURE SELECTIVE BREEDING PROGRAMS  
Avinas Rasal, Madhulita Patnaik, Khuntia Murmu, Jitendra Kumar Sundaray  
and Kanta Das Mahapatra
- 65 TUBIFEX: A FOREVER NUTRITIOUS JEWEL IN AQUACULTURE  
Thejaswini, Upasana Sahoo, Shamna N. and Babitha Rani A.M.
- 68 THE CHARACTERISTICS OF A DISEASE-RESISTANT SHRIMP LINE:  
FROM QUANTITATIVE OBSERVATION TO GENOMIC SIGNATURE  
E Hu

## CONTENTS *(continued)*

2	President's Column	11	USAS Chapter Report
3	Editor's Note	13	African Chapter Report
4	Asian Pacific Chapter Report	70	Conference Calendar
6	Korean Chapter Report	71	Future Conferences and Expositions
8	Latin American and Caribbean Chapter Report	72	Membership Application