

- 18 Parasite Treatment Reduces *Flavobacterium Columnare* Infection In Tilapia
De-Hai Xu, Ph.D.; Craig Shoemaker, Ph.D.; Dunhau Zhang, Ph.D.
- 20 Increased Density Improves Feeding Response, Growth Performance In Grouper
Ingrid Lupatsch, Ph.D.
- 22 Study: Inbreeding Affects Body Weight, But Not Survival In White Shrimp
Dr. Lidia de los Ríos-Pérez, Dr. Gabriel R. Campos-Montes, Dr. Alfonso Martínez-Ortega, Dr. Héctor Castillo Juárez, Dr. Hugo H. Montaldo
- 26 Natural Feed Additive Improves Shrimp Productivity In Ecuador Demonstration
Juan Carlos Valle; Peter Coutteau, Ph.D.
- 28 **The Bottom Line**
Feed And Water Quality Revisited
Thomas R. Zeigler, Ph.D.
- 32 **Sustainable Aquaculture Practices**
Efficiency Of Mechanical Aeration
Claude E. Boyd, Ph.D.
- 35 Biofilter Inoculation In Recirculating Aquaculture Systems
Dr. Adrian A. Bischoff, Laura Koch, Marcus Thon, Prof. Dr. Bela H. Buck
- 37 Dietary Acidification In Aquaculture
Christian Lückstädt, Ph.D.
- 39 Maximizing Nutrition For Adult Marine Fish
Jorge A. Suarez, Ph.D.; Carlos Tudela; Christina Belfranin; Steven Sutton; Matthew Taynor; Ronald Hoenig; Drew Davis; Thiago Raggi; Daniel D. Benetti, Ph.D.
- 42 Biomass Density Affects Bass Production, Not Feed Conversion, Growth Rates In RAS
Jeonghwan Park, Ph.D.; Nilima Renukdas, Ph.D.; Trevor Luna; Luke A. Roy, Ph.D.; David Heikes
- 45 **Soy-Fed Fish News**
Soy-Based Feeds Evaluated For Production Of Fast-Growing Amazonian Paiche
Herbert E. Quintero, Ph.D.; Michael C. Cremer, Ph.D.; Jairo Amezcuita; Francisco De la Torre; Luis Henostroza
- 48 Community-Based Approach Supports Aquaculture Development In Pacific Islands
Meredith Brooks; Cheng-Sheng Lee, Ph.D.
- 50 Russian Food Embargo: Who Have Been Hurt?
Kristin Lien; Ragnar Tveteras, Ph.D.
- 53 **Seafood And Health**
Abundant Food, Yet People Are Starving
Roy D. Palmer, FAICD
- 55 **Food Safety And Technology**
Human Enteric Viruses In Shellfish – Part IV. Norovirus Prevalence In Europe
George J. Flick, Jr., Ph.D.; David D. Kubn, Ph.D.
- 58 **U.S. Seafood Market**
Paul Brown, Jr.; Janice Schreiber; Angel Rubio
- 62 Double-Stranded RNA Against WSSV Genes Provides Antiviral Protection In Shrimp
C. M. Escobedo-Bonilla, S. Vega-Peña, C. H. Mejía-Ruíz
- 64 From Bench To Farm – Innovative On-Site Diagnostic Kit Identifies WSSV In Shrimp
Mary Beth B. Maningas; Joselito A. Tabardillo, Jr.; Christopher Marlowe Caipang
- 66 Limited Decomposition Enhances PCR Detection Of AHPND *Vibrio* In Shrimp
Nathene L. Antonio, B.S.; James A Brock, DVM; Hank Bauman
- 68 NIRS Technology Ensures Shrimp Feed Quality At Farm Level
Alberto J. P. Nunes, Ph.D.; Thiago Costa Paiva; Sergio de Lima Cavalcanti
- 71 Novel Air-Based System Transfers Large Salmon During Harvest
Steven Summerfelt, Ph.D.; Travis May; Curtis Crouse; Jeanne McKnight, Ph.D.; Vincent Byran III
- 73 Natural Feed Additives Enhance Rainbow Trout Performance
Seunghan Lee, Fasil Taddese, Seonghun Won, Hyeonbo Yun, Sangeun Kim, Jungkeug Park, Dr. S. C. Bai
- 76 Indoor-Raised Shrimp Find Potential Market In Kentucky State University Test
Andrew J. Ray, Ph.D.
- 78 Metabolomics Approaches To Improve Mussel Larval Production
Andrea C. Alfaro, Ph.D.; Tim Young, Ph.D.