

- 12 **From *The Shrimp Book***
Small-Scale Shrimp Farmers And Global Markets:
Trends, Future Prospects And Adaptation
Michael Phillips, Ph.D.; Rohana Subasinghe, Ph.D.
- 16 Why Certify Aquaculture?
Daniel Lee
- 18 **Sustainable Aquaculture Practices**
Settling Basin Design, Operation
Claude E. Boyd, Ph.D.
- 20 Tilapia Aquaculture In China
*Dr. Liu Liping, Dr. Zhang Zongfeng, Dr. Zhang Wenbo,
Dr. Francis Murray, Dr. David Little*
- 22 Hybrid Catfish Offer Performance Advantages
For U.S. Catfish Farmers
Nagaraj G. Chatakondi, Ph.D.
- 24 EcoFish Project – Using Wrasse As Cleaner Fish
In Salmon Farming
O. H. Ottesen, J. Treasurer, R. Fitzgerald, J. Maguire, C. Rebours
- 26 Sequencing Batch Reactors Effectively Treat
Shrimp Aquaculture Wastewater
Raj Boopathy, Ph.D.
- 28 Study Shows Lower Biofloc Concentration
May Improve Shrimp Production
Andrew J. Ray, M.S.; Jeffrey M. Lotz, Ph.D.
- 32 Dietary Potassium Diformate Improves Growth
Performance Of Male Nile Tilapia
*Dr. Christian Lückstadt, Dr. Maria Lourdes A. Cuvin-Aralar,
Dr. Kai-Jens Kühblmann*
- 34 Animal Protein Meals Reduce Feed Costs
But Don't Improve Shrimp Performance
*Alberto J. P. Nunes, Ph.D.; Pedro Henrique Gomes dos Santos,
Silvia Pastore, M.S.*
- 38 **The Bottom Line**
A Case For Better Shrimp Nutrition
Thomas R. Zeigler, Ph.D.; Scott Snyder, Ph.D.
- 42 Fishery By-Products Evaluated As Feeding Stimulants
In Plant-Based Shrimp Diets
*Lytha Conquest; Dong-Fang Deng, Ph.D.; Warren G. Dominy, Ph.D.;
Peter J. Bechtel, Ph.D.; Scott Smiley, Ph.D.*
- 44 Effective Management Of WSSV In Shrimp
Stephen G. Newman, Ph.D.
- 46 Ongoing Research Supports Health Fish Skeletons
Dr. Paul Eckhard Witten, Dr. Ann Huysseune
- 48 **Food Safety And Technology**
North American Markets For Fresh Tilapia
Part I: Foodservice, Retail
George J. Flick, Jr., Ph.D.
- 50 Dining Out And Appraisal Of Farmed Fish
*Prof. José Fernández-Polanco, Ph.D.; Ladislao Luna, Ph.D.;
Ignacio Llorente*
- 54 **Seafood And Health**
Seafood, Health And Sales
Roy D. Palmer, FAICD
- 56 Aquaculture Insurance And Reinsurance
Nuno Meira
- 60 **U.S. Seafood Markets**
Shrimp Imports From Top Producers Down,
Seasonal Production Increases Expected
Salmon Fillet Imports Up YTD, Markets Steady
China Ships More Whole Tilapia, Less Frozen Fillets
Catfish Imports Continue Rise, *Pangasius* Oversupplied
Paul Brown, Jr.; Janice Brown; Angel Rubio
- 64 Integrated Spotted Red Snapper Aquaculture Established
In Central America
Daniel Velarde; Daniel Benetti, Ph.D.
- 66 Malaysian Mahseer: New Candidate For Asian Aquaculture?
Ehsan Ramezani-Fard, Ph.D.; Mohd Salleh Kamarudin, Ph.D.
- 68 Initial Studies Identify Aquaculture Potential
For Cortez Flounders
*Martin Perez-Velazquez, Ph.D.; Mayra Lizett González-Félix, Ph.D.;
Christian Minjarez-Osorio, Ph.D.*
- 70 Integrated Aquaponics Systems Evaluated
For Arid Zones Of Chile
Mario Palma Gutiérrez, Germán Merine Araneda
- 72 Glandless Cottonseed Meal Replaces Fishmeal
In Shrimp Diet Research
*Anthony J. Siccardi III, Ph.D.; Cristina M. Richardson, Ph.D.;
Tzachi M. Samocha, Ph.D.; Michael K. Dowd, Ph.D.;
Tom C. Wedegaertner, Ph.D.*
- 74 Nitrogen Isotope: Tool To Evaluate Protein Uptake
In Biofloc Systems
Yoram Avnimelech, Ph.D.; M. Kochba; B. Suryakumar; A. Ghanekar
- 76 Cooperation Grows Australian Aquaculture
Dr. Nigel Preston, Dr. Brett Glencross, Dr. Peter Lee
- 80 DNA Barcoding Applications In Aquaculture
*Debtanu Barman, Suvra Roy, Vikash Kumar, Sagar C. Mandal,
Vikas Kumar*