

BIO-FLOC SYSTEMS

Tuesday, September 29 09:00 - 17:50 Ulúa 4

Chairs: Yoram Avnimelech and Wilson Wasielesky

- 09:00 Luis Vinatea**, Alfredo O. Gálvez, Craig L. Browdy, Jonh Leffler, Al Stokes, Jesus Venero, Jason Haveman, Beth Thomas, Alisha Lawson, Andrew Shuler
PHOTOSYNTHESIS, WATER RESPIRATION AND GROWTH PERFORMANCE OF *Litopenaeus vannamei* IN A SUPER-INTENSIVE RACEWAY CULTURE WITH ZERO WATER EXCHANGE: INTERACTION OF WATER QUALITY VARIABLES
- 09:20 Maurício Emerenciano**, Luis Vinatea, Alfredo Gálvez, Andrew Shuler, Al Stokes, Jesus Venero, Jason Haveman, Jacob Richardson, Beth Thomas, John Leffler
EFFECT OF TWO DIFFERENT DIETS FISH MEAL BASED AND "ORGANIC" PLANT BASED DIETS IN *Litopenaeus setiferus* EARLIER POST-LARVAE CULTURE UNDER BIOFLOC, GREEN-WATER AND CLEAR-WATER CONDITIONS
- 09:40 Jesus A. Venero**, Craig L. Browdy, Jason Haveman, Alisha Lawson, Beth L. Lewis, Andrew J. Ray, John W. Leffler
EVALUATION OF THE EFFECT OF A PLANT BASED DIET ON GROWTH PERFORMANCE AND FCR OF PACIFIC WHITE SHRIMP *Litopenaeus vannamei* RAISED EITHER IN A PHOTOAUTOTROPHIC OR A HETEROTROPHIC HYPER-INTENSIVE ZERO-EXCHANGE BIOFLOC SYSTEM
- 10:00 Andrew J. Ray**, Andrew J. Shuler, Craig L. Browdy, John W. Leffler
MICROBIAL ECOLOGY AND BIOFLOC MANAGEMENT OF MINIMAL EXCHANGE SUPERINTENSIVE SHRIMP *Litopenaeus vannamei* CULTURE SYSTEMS
- 10:20 Andrew Ray**, John Leffler, Beth L. Lewis, Jesus A. Venero, Luis Vinatea, Andrew Shuler, Craig L. Browdy
EFFECTS OF AN ORGANIC CERTIFIABLE PLANT-BASED DIET IN CONJUNCTION WITH SOLIDS REMOVAL ON THE PRODUCTION OF SHRIMP *Litopenaeus vannamei* IN MINIMAL EXCHANGE SUPERINTENSIVE BIOFLOC SYSTEMS
- 10:40 DISCUSSION: HETEROTROPHIC VS AUTOTROPHIC PROCESSES**
- 10:50 BREAK**
- 11:10 Gerard Cuzon**, Jeannot Goguenheim, Aquacop Aquacop, Maurício Emerenciano, Gabriela Gaxiola
THE NUTRITIVE VALUE OF "FLOC" SETTLED DOWN FOR SHRIMP
- 11:30 David Kuhn**, Addison Lawrence, Susmita Patnaik, Gregory Boardman, Lori Marsh, George Flick Jr.
BIOFLOCS PRODUCED BY BIOLOGICALLY TREATING FISH EFFLUENT IS A SUITABLE REPLACEMENT INGREDIENT FOR SOYBEAN AND FISHMEAL
- 11:50 Yoram Avnimelech**, Malka Kochba
EVALUATION OF NITROGEN UPTAKE AND EXCRETION BY TILAPIA IN BIO-FLOCS TECHNOLOGY MODELS USING 15N TRACING
- 12:10 Eric De Muylder**, Daan Delbare
UTILISATION OF A BIOFLOC REACTOR IN HYPERINTENSIVE PRODUCTION OF SHRIMP *Litopenaeus vannamei* WITHOUT WATER EXCHANGE
- 12:30 DISCUSSION: ADDED VALUE OF MICROBIAL FEEDS**
- 12:50 LUNCH**

- 14:50** **Maurício Emerenciano**, Yoram Avnimelech, Roberto Gonzalez, Ana Teresa Diaz de Leon, Gerard Cuzon, Gabriela Gaxiola
EFFECT OF BIO-FLOC TECHNOLOGY (BFT) IN ECTOPARASITE CONTROL IN NILE TILAPIA *Oreochromis niloticus* CULTURE
- 15:10** **Jason J. Danaher**, James E. Rakocy, R. Charlie Shultz, Donald S. Bailey
APPLICATIONS FOR RECLAIMED AQUACULTURE EFFLUENT FROM A COMMERCIAL BIOFLOC SYSTEM
- 15:30** **Roselien Crab**, Malka Kochba, Willy Verstraete, Yoram Avnimelech
BIO-FLOCS TECHNOLOGY APPLICATION IN OVER-WINTERING OF TILAPIA
- 15:50** **Nyan Taw**, Hendri Fuat, Naira Tarigan, Kaesar Sidabutar
PARTIAL HARVEST WITH BFT, A PROMISING SYSTEM FOR PACIFIC WHITE SHRIMP
- 16:10** **Traci Holstein**, Bob Advent
USING A NON-VENTURI AIR INJECTION SYSTEM TO RAISE *Litopenaeus vannamei* IN A HIGH DENSITY BIO-FLOC SYSTEM
- 16:30** **Wilson Wasielesky**, Dariano Krumennauer, Gabriele Lara, Luis Poersch
EFFECT OF THE USE OF DIFFERENT AERATION TYPE ON AGGREGATES FORMATION AND PERFORMANCE OF *Litopenaeus vannamei* IN BIOFLOC TECHNOLOGY CULTURE SYSTEM
- 16:50** **Yoram Avnimelech**
ABC OF SHRIMP BFT GROW OUT