

DRAFT SCHEDULE FROM WAS
OPTIMIZING SMALL-SCALE AQUACULTURE FOR THE POOR:
A SESSION IN HONOR OF DR. YANG YI

Wednesday, March 03 08:30 - 4:30 Pacific Salon 5
Chair: Hillary Egna

08:30 C. Kwei Lin, James Diana
DR. YANG YI – A MEMORIAL

08:45 James Diana, C. Kwei Lin, Yang Yi
ADVANCES IN OPTIMIZING POND CULTURE SYSTEMS

09:00 Claude Boyd
WATER USE EFFICIENCY IN AQUACULTURE

09:15 Amrit Bart, Sultanul A. S. Ahmad, James E. Rakocy, James S. Diana
INTRODUCED NILE TILAPIA *Oreochromis niloticus* HAVE ONLY A MINOR
IMPACT ON SMALL INDIGENOUS FISH SPECIES IN STATIC POND
ENVIRONMENT OF BANGLADESH AND NEPAL

09:30 Madhav Shrestha, Ravi Sharma, Kamala Gharti, Yang Yi, James Diana
POLYCULTURE OF SAHAR *Tor putitora* WITH MIXED-SEX NILE TILAPA
Oreochromis niloticus

09:45 Russell Borski, Remedios Bolivar, Eddie Boy Jimenez, Roberto Sayco, Reginor Argueza
GROWTH PERFORMANCE OF NILE TILAPIA *Oreochromis niloticus* L. IN PONDS
IN THE PHILIPPINES USING COMBINED FEED REDUCTION STRATEGIES

10:00 BREAK

10:00 Remedios Bolivar, Eddie Boy Jimenez, Roberto Sayco, Reginor Argueza, Hernando Bolivar, Lourdes Dadag, Russell Borski
EFFECT OF AGE OF BROODFISH ON THE GROW-OUT PERFORMANCE OF
NILE TILAPIA *Oreochromis niloticus* L. FINGERLINGS IN EARTHEN PONDS

10:30 Tran Thi Thanh Hien, Ly Vu Minh, Nguyen Hoang Duc Trung, M. Lee Chong, A. Bengtson David
REPLACEMENT OF FISH MEAL BY SOYBEAN MEAL WITH ALPHA-
GALACTOSIDASE IN DIETS FOR SNAKEHEAD *Channa striata*

10:45 Liping Liu, Kang Li, Taoying Chen, Yang Yi, James S. Diana
EFFECT OF THE *Microcystis aeruginosa* ON THE WATER FLEA *Daphnia magna*
AND THE RED SWAMP CRAYFISH *Procambarus clarkia*

11:00 Sinh Le Xuan, Robert S. Pomeroy
FARMING OF SNAKEHEAD FISH *Channa micropeltes* AND *Channa striatus* IN THE
MEKONG DELTA OF VIETNAM

11:15 Sinh Le Xuan
TRADE AND CONSUMPTION OF FOOD FISH IN FRESHWATER AREAS OF THE
MEKONG DELTA, VIETNAM

11:30 Nam So, Chakriya Norng, Sy Vann Leng, Robert Pomeroy
SMALL-SIZED FISH PASTE PRODUCTION TECHNOLOGY IN CAMBODIA'S
MEKONG RIVER BASIN

11:45 Nam So, Sophea Un, Sy Vann Leng, Robert Pomeroy
MARKET CHANNEL AND TRADE OF FISH PASTE FROM SMALL-SIZED FISH
IN CAMBODIA

12:00 Derun Yuan, Amararatne Yakupitiyage, Yang Yi, James S. Diana
EFFECTS OF DIFFERENT FEEDING METHODS ON PERFORMANCES OF
INTENSIVE POLYCULTURE OF WHITE SHRIMP *Litopenaeus vannamei* AND RED
TILAPIA *Oreochromis* spp.

12:15 Liping Liu, Derun Yuan, James H. Bowman, Yang Yi, Héry Coulibaly, Hillary
Egna
LESSONS FROM ASIA FOR RICE-FISH CULTURE IN MALI IN WEST AFRICA

12:30 LUNCH

1:30 Charles Ngugi, Kwamena Quagraine
EFFICIENT POND DESIGN STRATEGIES FOR A VARIETY OF ENVIRONMENTS

1:45 Levi Lukoda Kasisira, Peter Mulamba, Nelly A. Isyagi, John Walakira, William
E. Tollner
AQUACULTURE POND CONSTRUCTION GUIDELINES FOR SUSTAINABLE
MICRO-WATERSHED DEVELOPMENT IN UGANDA

2:00 Theodora Shuwu Hyuha, James Bukenya
PROSPECTS OF AQUACULTURE ENTERPRISES IN POVERTY REDUCTION IN
UGANDA

2:15 Siyanbola Omitoyin, Oluwaseyi Sanda
SOURCES AND USES OF MICRO-CREDIT IN POVERTY ALLEVIATION AMONG
FISH FARMERS IN OSUN STATE, NIGERIA

2:30 Sebastian Chenyambuga, Margaret Kibodya, Berno Mnembuka, Kajitanus
Osewe, Rebecca Lochmann, Kwamena Quagraine

USE OF *Moringa oleifera* AND *Leucaena leucocephala* TO IMPROVE COST EFFICIENCIES IN TILAPIA *Oreochromis niloticus* FEED

2:45 **Maria Célia Portella**, Hillary Egna, James Bowman, Remedios Bolivar, Wilfrido Contreras, Lourens De Wet, Khalid Salie, Charles Ngugi, Nguyen Thanh Phuong
YANG YI'S CONTRIBUTIONS TO POSITIVE OUTCOMES OF THE AQUAFISH CRSP'S HOST COUNTRY PRINCIPAL INVESTIGATOR EXCHANGE PROJECT IN BRAZIL

3:00 **Kevin Fitzsimmons**, Pamila Ramotar, Jason Licamele, Michelle Ferman
UTILIZATION OF LOCAL FEED INGREDIENTS FOR FRESHWATER AQUACULTURE

3:15 **Carlos Alfonso Alvarez-González**, Benigno García-Hernández, Gabriel Marquez-Couturier, Wilfrido M. Contreras-Sanchez, Roberto Civera-Cerecedo, Ernesto Goytortua-Bores
PARTIAL SUBSTITUTION OF FISH MEAL WITH PORK MEAL IN PRACTICAL DIETS FOR THE MAYAN CICHLID *Cichlasoma urophthalmus* JUVENILES

3:30 **Maria Haws**, Eladio Gaxiola-Camacho, Guillermo Rodriguez-Dominguez, Nelvia del Socorro Hernandez, Erick Sandoval, Carlos Rivas LeClair, Juan Ramon Bravo, Brian Crawford, John Supan, Agnes Saborio-Coze
OPTIMIZING UTILIZATION OF BIVALVE RESOURCES THROUGH COMMUNITY-BASED AQUACULTURE, SANITATION AND FISHERIES MANAGEMENT ON THE PACIFIC COASTS OF MEXICO AND NICARAGUA

3:45 **Maria Haws**, Rafael Elao, Emilio Ochoa-Moreno, Guerdy Guevara, Luis Arriaga, Gustavo Rodríguez-Montes de Oca, Eladio Gaxiola-Camacho, Guillermo Rodriguez-Dominguez, Brian Crawford, Nelvia del Socorro Hernandez, Carlos Rivas-LeClair
DEVELOPMENT OF AN ELEOTRIDAE FISH *Dormitator latifrons* (PACIFIC FAT SLEEPER), FOR AQUACULTURE ON THE PACIFIC COASTS ECUADOR, NICARAGUA AND MEXICO

4:00 **Wilfrido Contreras-Sánchez**, Maria de Jesus Contreras-Garcia, Ulises Hernandez-Vidal, Alejandro Mcdonal-Vera, Reynaldo Patiño
INDUCED REPRODUCTION OF THE FAT SNOOK *Centropomus parallelus* IN CAPTIVITY USING GnRH-a INJECTIONS AND IMPLANTS

4:15 **Wilfrido Contreras-Sánchez**, Rosa Martha Padron-Lopez, Lucero Vazquez-Cruz, Ulises Hernández-Vidal, Kevin Fitzsimmons
ISOLATION AND CHARACTERIZATION OF BACTERIA FROM BIOFILMS FORMED IN FILTERS USED TO ELIMINATE METHYLTESTOSTERONE FROM INTENSIVE TILAPIA MASCULINIZATION SYSTEMS

DRAFT SCHEDULE FROM WAS
WATER QUALITY - NON SHRIMP CONTRIBUTED

Thursday, March 04 11:00 - 5:30 Royal Palm Salon 2
Chairs: Claude Boyd, N. Prapaiwong

11:00 James Rakocy, Donald Bailey, Charlie Shultz, Jason Danaher
THE STATUS OF AQUAPONICS – 2010

11:15 Karen Buzby, Todd West, Xinchao Wei, Kenneth Semmens
NUTRIENT REMOVAL BY AQUAPONIC CROPS

11:30 Jason Licamele, Kevin Fitzsimmons, Gene Giacomelli
OPTIMAL FISH *Oreochromis niloticus* TO PLANT *Lactuca sativa* c.v. Rex RATIOS
FOR A CONTROLLED ENVIRONMENT AQUAPONICS SYSTEM

11:45 Kyle Palmatory, Todd West
EVALUATION OF AQUAPONIC CROP PRODUCTION UTILIZING EFFLUENT
FROM A FLOW-THROUGH AQUACULTURE RACEWAY SYSTEM

12:00 LUNCH

1:30 Jason J. Danaher, James E. Rakocy, R. Charlie Shultz, Donald S. Bailey, Lasiba Knight
ALTERNATIVE SOLIDS TREATMENT TECHNOLOGY FOR THE UNIVERSITY
OF THE VIRGIN ISLANDS' AQUAPONIC SYSTEM

1:45 Jason Danaher, Edoardo Pantanella, James E. Rakocy, R. Charlie Shultz, Donald S. Bailey
ON-FARM APPLICATIONS FOR DEWATERED AQUACULTURE EFFLUENT
FROM INTENSIVE BIOFLOC SYSTEMS

2:00 Jason Danaher, R. Charlie Shultz, James E. Rakocy
EVALUATION OF TWO TEXTILES WITH OR WITHOUT POLYMER ADDITION
TO ASSESS TSS REMOVAL EFFICIENCY IN BIOFLOC EFFLUENT

2:15 Yaw Ansah, Emmanuel Frimpong, Steve Amisah
POTENTIAL EFFLUENT QUALITY AND MICROBIAL LEVELS IN EARTHEN
PONDS AND RECEIVING STREAMS OF CENTRAL GHANA

2:30 Steve Amisah, Emmanuel Frimpong, Yaw Ansah
RELATIONSHIP AMONG MANAGEMENT PRACTICES, POND WATER
QUALITY, AND RECEIVING STREAM INTEGRITY IN CENTRAL GHANA

2:45 Emmanuel Frimpong, Yaw Ansah, Steve Amisah, Gifty Anane-Taabeah
FISH AND MACROINVERTEBRATE ASSEMBLAGES IN RECEIVING STREAMS
IN THE VICINITY OF EARTHEN PONDS IN GHANA

3:00 BREAK

3:30 Gregory Oliver, Dennis McIntosh, Daniel Terlizzi, Francis Chrest
CURRENT METHODS OF CONTROLLING HARMFUL ALGAL BLOOMS AND
POSSIBLE FUTURE SOLUTIONS

3:45 Sharifah Noor Emilia, Mitsuru Eguchi
EFFECTIVENESS OF PHYTOPLANKTON AND BACTERIAL INTERACTION FOR
AQUACULTURE

4:00 Chien Thai Ngoc, Rosland Rune, Chien Thai Ngoc, Barthel Knut
PHYTOPLANKTON VARIABILITY IN RELATION TO ITS BIOLOGICAL AND
PHYSICAL ENVIRONMENT ON SHELF WATERS OF KHANH HOA PROVINCE,
VIETNAM

4:15 Biyu Song, Yang Yi, James S. Diana
ELIMINATING MICROCYSTINS-PRODUCING ALGA *Microcystis aeruginosa* BY
USING CHITOSAN AND PAC MODIFIED CLAYS

4:30 Rawee Viriyatum, Claude Boyd
POTASSIUM FERTILIZATION OF BLUEGILL *Lepomis microchirus* PONDS

4:45 Chris Weeks, Per Askeland, Reza Loloee, Sage Kramer, Ruby Ghosh
DEVELOPMENT, FIELD TESTING AND THEORETICAL APPLICATIONS OF A
CONTINUOUS REAL-TIME OPTICAL OXYGEN SENSOR FOR AQUACULTURE
USE

**DRAFT SCHEDULE FROM WAS
TILAPIA RESEARCH AND AMERICAN TILAPIA ASSOCIATION UPDATE**

Friday, March 05 08:30 - 5:30 California Room
Chair: Kevin Fitzsimmons

08:30 Mala Basu, B. B. Jana
X-RAY-INDUCED CHANGES IN REPRODUCTIVE POTENTIALITIES OF
MOZAMBIQUE TILAPIA

08:45 Marilou G. Directo, Ireneo G. Bongco, Remedios B. Bolivar
PHYTOPLANKTON COLOR CHART (PCC) FROM PURE CULTURES AND FIELD
POPULATION AS AN EFFECTIVE TOOL FOR AQUACULTURE MANAGEMENT

09:00 Tekie Anday, Kaoline Young
EFFICACY OF GROWSTONE AS A FILTER MEDIA FOR AQUACULTURE
APPLICATIONS

09:15 Cesar A. Hernandez, Kevin Fitzsimmons
COMPARATIVE ANALYSIS BETWEEN POLYCULTURE AND MONOCULTURE SYSTEMS TO MEASURE THE EFFECT OF TILAPIA FISH *Oreochromis niloticus* ON THE PRODUCTION OF SHRIMP *Litopenaeus vannamei* IN A WATER RECIRCULATION SYSTEM

09:30 Rafael Martinez-Garcia, Raul Ponzoni, Nguyen Nguyen Hong, Khairul Rizal Abu Bakar, Stephen Nelson, Kevin Fitzsimmons
EFFECTS OF SALINITY ON GROWTH AND SURVIVAL OF GIFT TILAPIA *Oreochromis niloticus* AND RED HYBRID TILAPIA *Oreochromis niloticus* x *Oreochromis mossambicus*

09:45 Larry Riley, Kelli Upton, Whitney Janzen
ENDOCRINE CONTROL OF APPETITE DURING STRESS IN THE TILAPIA *Oreochromis mossambicus*

10:00 BREAK

10:30 Sidrotun Naim
THE POTENTIAL OF ANTIBACTERIAL ACTIVITY AND GREEN WATER PRODUCED BY GENETICALLY SUPERMALE INDONESIAN TILAPIA IN REDUCING VIBRIO ATTACK AND STIMULATING IMMUNE SYSTEM OF SHRIMP

10:45 Mario Hernandez-Acosta, Ramon Casillas-Hernandez, J. Cuauhtemoc Ibarra-Gamez, Fernando Lares-Villa, Rodrigo Otero, Kevin Fitzsimmons
POSITIVE EFFECTS OF DIETS SUPPLEMENTED WITH NUTRAFITO PLUS ON THE GROWTH OF PACIFIC WHITE SHRIMP *Litopenaeus vannamei*: A REVIEW

11:00 Konrad Dabrowski
THE EFFECTS OF DIETARY POLY- β -HYDROXYBUTYRATE AND ASCORBIC ACID ON GROWTH, FEED UTILIZATION AND SURVIVAL RATE OF TILAPIA *Oreochromis niloticus* JUVENILES

11:15 Esteban Soto, Judy Wiles, Ronald Thune, Phillip Elzer, Kevin Macaluso, John Hawke
ATTENUATED *Francisella noatunensis* ig1C MUTANT INDUCES PROTECTIVE IMMUNITY TO FISH FRANCISELLOSIS IN TILAPIA NILOTICA *Oreochromis niloticus*

11:30 Emily Stutzman, Joseph Molnar
WHAT FACTORS CONTRIBUTE TO PRODUCTIVE GROUP-BASED TILAPIA AQUACULTURE IN RURAL UGANDA?

11:45 Luisa Villamil, Diego F. Ardila, Ma. Angelica Martinez, Lina M. Mejia
EVALUATION OF SYNERGISM AMONG BATERIAL MIXTURE AS FOOD
SUPPLEMENTATION ON NILE TILAPIA *Oreochromis niloticus* GROWTH AND
SURIVAL RATE

12:00 LUNCH

1:30 Luisa Villamil, Diego F. Ardila, Carolina Noguera, Ma. Angelica Martinez, Lina
M. Mejia
NATIVE BACTERIA ISOLATION FROM NILE TILAPIA *Oreochromis niloticus* AND
THEIR USE AS A POSSIBLE PROBIOTIC

1:45 Maria Lourdes Cuvin-Aralar, Philip Gibbs, Adelaida Palma, Aida Andayog,
Lydia Noblefranca
EFFECT OF DIFFERENT FEEDING MANAGEMENT SCHEMES ON THE
AQUACULTURE PRODUCTION OF NILE TILAPIA *Oreochromis niloticus* IN LAKE
BATO, CAMARINES SUR, PHILIPPINES

2:00 Tri Nguyen, Hanh Nguyen
DETERMINATION OF SUITABLE FEEDING FREQUENCY AND RATIO FOR
NILE TILAPIA *Oreochromis niloticus* JUVENILE

2:15 Kevin Fitzsimmons, Sidrotun Naim, Khalid Alghanim
TILAPIA: 2009 STATE OF THE INDUSTRY REPORT

2:45 W. Varano
ATA UPDATE

3:00 BREAK

3:00 R. Garcia-Martinez
ATA – ISTA UPDATE

3:15 K. Fitzsimmons
TREASURER'S REPORT

3:30 W. Varano
ATA ANNUAL MEETING