## Tentative Sessions

<table>
<thead>
<tr>
<th>Marine Shrimp</th>
<th>Tilapia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>Production</td>
</tr>
<tr>
<td>Breeding and Genetics</td>
<td>Nutrition</td>
</tr>
<tr>
<td>Nutrition</td>
<td>Disease &amp; Health Management</td>
</tr>
<tr>
<td>Disease &amp; Health Management</td>
<td></td>
</tr>
</tbody>
</table>

| Freshwater Fish Culture       | Marine Finfish           |
| Catfish                       | Culture Systems          |
| Cyprinids                     | Nutrition                |
| Integrated Culture Systems    | Seed Supply              |
| Reservoir-based Aquaculture   |                          |

| Production Systems            | Mollusc Culture          |
| Recirculating Systems         | Hatchery                 |
| Processing (Value-added)      | Production               |
| Cost Efficiencies             | Health                   |
| Technology and Equipment      |                          |

| Risk Management               | Education and Training   |
| Macrobrachium                 | Genetics in Aquaculture   |
| Crabs and Lobsters            | Aquafeeds                |
| General Aquaculture           | Aquaponics               |
| Seaweeds and Algae            | Development & Planning    |
| Ornamentals                   | Marketing and Trade      |
| Aquatic Animal Health         | Certification             |
|                               | Supply Chain              |

### Plenary Topics

1. Malaysian Aquaculture Trends and Prospects
2. Promoting Trade in Seafood – a Buyer’s Expectation
3. Ensuring Fair Trade in Seafood – An Aquaculture Perspective
CALL FOR PAPERS - DEADLINE: March 1, 2017

ASIAN-PACIFIC AQUACULTURE 2017 encourages the submission of high quality oral and poster presentations. We strongly encourage authors to consider poster presentations because poster sessions will be an integral part of the program. Papers submitted for “oral presentation only” may not be accepted as oral presentations due to the limited number of available time slots. All abstracts must be in English - the official language of the conference.

Each oral presenter shall be entitled to no more than 15 minutes for a presentation, plus 5 minutes for questions. Authors of studies involving proprietary products or formulations should present this information in workshops or the trade show. Oral presentations should use Power Point. Overhead and slide projectors and video players will not be available or allowed.

All presenters are required to pay their own registration, accommodation and travel expenses. ASIAN-PACIFIC AQUACULTURE 2017 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed - a CD will be given to registered attendees.

INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

Expanded Abstract Format - Please refer to the sample.

1. TITLE OF PAPER: The paper title is printed in CAPITAL LETTERS, with the exception of scientific names which should be Upper/lower case and italicized (see sample). Scientific names should not be preceded or followed by commas or parentheses or other markings.

2. AUTHOR(S): The first name should be the presenting author. Use * after the presenting author. Type in upper/lower case.

3. ADDRESS AND EMAIL: Type only the presenting author's institution, address and email. Type in upper/lower case.

4. MAXIMUM LENGTH: One Page

5. PAGE SIZE: Standard A4 paper (210mm x 297mm = 8.27” x 11.69”)(portrait)

6. MARGINS: 1-inch margin throughout (left/right/top/bottom)

7. SPACING: Single spaced

8. PARAGRAPHS: Paragraphs should be separated by a blank line and should not be indented.

9. FONTS: Character fonts should be 12 point type.

10. PHOTOS, FIGURES & TABLES: Photo, figures and tables should be included in the abstract.

---

Red claw crayfish (Cerax quadricarinatus) are one of more than a hundred species of Australian freshwater crayfish. However, because of its rapid growth rate, ease of spawning, wide temperature and dissolved oxygen tolerance, and lack of a larval stage, red claw may be the best candidate for agricultural production. Red claw are only being investigated as an aquaculture species in this country because a great deal of information exists on their nutritional requirements and practical diet formulations. Since many crustaceans require lecithin and cholesterol to be added to their diet, these two nutrients are very expensive. Since diet costs can be as much as 50% of the operating expenses for an aquaculture enterprise, it is imperative that the least expensive diet be formulated. In this study, the nutritive requirements of red claw need to be determined to formulate a practical diet for red claw crayfish.

An 8-week feeding trial was conducted in a recirculating system with newly-hatched juvenile (mean individual weight of 0.2 g) red claw, each stocked in individual plastic mesh culture units. Individual tanks were within fiberglass tanks, each equipped with a Tillotson water line. Water was recirculated and mechanical filters. Water temperature was maintained at 27-28°C and light provided by overhead fluorescent lighting in a light/dark cycle. Ammonia, nitrite, nitrate, pH, oxygen, temperature, alkalinity, chlorides, and pH were measured three times per week. The goal of this study was to examine the effects of growth performance of newly-hatched juvenile red claw when fed four practical diets with or without cholesterol and lecithin. Other practical diets included menhaden fish meal, soybean meal, shrimp meal, wheat flour, vitamin and mineral mix, pellet binder, cod liver oil, and corn oil (Table 1).

TABLE 1. Formulation of experimental diets fed to red claw crayfish.

<table>
<thead>
<tr>
<th>Diet</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>/g</td>
<td>/g</td>
<td>/g</td>
<td>/g</td>
<td>/g</td>
</tr>
<tr>
<td>Menhaden Fish Meal</td>
<td>35.0</td>
<td>35.0</td>
<td>35.0</td>
<td>35.0</td>
</tr>
<tr>
<td>Soybean Meal</td>
<td>35.0</td>
<td>35.0</td>
<td>35.0</td>
<td>44.5</td>
</tr>
<tr>
<td>Lecithin 0.5</td>
<td>0.0</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>1.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Other</td>
<td>38.5</td>
<td>20.0</td>
<td>20.0</td>
<td>70.5</td>
</tr>
</tbody>
</table>

After 8 weeks, red claw crayfish fed a practical diet without cholesterol (Diet 3) had significantly (P < 0.05) lower final weight, percentage weight gain, and specific growth rate (SGR) compared to crayfish fed all other diets (Table 2). These results indicate that a practical diet containing 2% cod liver oil and 1% corn oil and having no lecithin appears to be sufficient and that lecithin may not be necessary for juvenile red claw diets.

---

Please submit your abstract online.

www.was.org
REGISTRATION FEES:
In order to receive the discount rates as listed below, this form and payment must be received by the date listed.
See brochure for what is included in registration fees.

<table>
<thead>
<tr>
<th>PAYMENT METHOD:</th>
<th>All fees must be paid to the order of Asian-Pacific Aquaculture 2017 without charges for the beneficiary.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visa</td>
<td>Mastercard</td>
</tr>
<tr>
<td>Card #</td>
<td>Expiration Date</td>
</tr>
<tr>
<td>For bank transfer details, contact us.</td>
<td>Date</td>
</tr>
</tbody>
</table>

Do not mail registration after July 1, 2017 or fax after July 10, 2017.
After July 10, 2017, bring this form with you to register at the show.

TRADE SHOW PASS – Good for 3 days admission to exhibits only – July 25, 26, 27
Includes admission to exhibits and reception

TOTAL TRADE SHOW PASS US$ 30

MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable.

CANCELLATION POLICY: Cancellation of registration must be received - in writing - no later than July 1, 2017. Refunds for registration fees will be subject to a 20% handling fee. Refunds are processed after the conference. No refunds will be made for professional or personal emergencies, flight cancellations, denied visa, weather related cancellation or other travel emergencies. Fees for memberships are non-refundable.

PAYMENT METHOD: All fees must be paid to the order of Asian-Pacific Aquaculture 2017 without charges for the beneficiary.

Return address for payments in USD:
WAS Conference Office - ASIAN-PACIFIC AQUACULTURE 2017
P.O. Box 2302
Valley Center, CA 92082 USA
Tel: +1 760 751 5005
Fax: +1 760 751 5003
Email: worldaqua@was.org
ASSOCIATION MEMBERSHIPS: Please check all boxes for associations for which you are a current member. Membership in any of those associations qualifies you for the Member Rate* on the Registration Fees. You can join an association at any time before registering to qualify for the Member Rate.

MEMBERSHIPS: ☐ WAS ☐ USAS ☐ APC ☐ Korean ☐ LACC

AFFILIATE MEMBERSHIPS:
- AQUABIO
- Aquaculture Association of Canada
- Aquaculture Association of South Africa
- Aquaculture Without Frontiers
- Asian Fisheries Society
- China Society of Fisheries
- Egyptian Aquaculture Society
- European Aquaculture Society
- Global Aquaculture Alliance
- IAFI The International Association of Seafood Professionals
- Indonesian Aquaculture Society
- Korean Aquaculture Society
- Korean Society of Fisheries and Sciences (KOSFAS)
- Malaysian Fisheries Society
- Sociedad Brasileira de Acuicultura
- Society of Aquaculture Professionals (India)
- South African Aquaculture Society
- Spanish Aquaculture Association (SEA)

WORLD AQUACULTURE SOCIETY (WAS) APPLICATION  www.was.org

For details on the different types of memberships and options, please contact the WAS home office at
Tel: +1-225-578-3137  Fax: +1-225-578-3493  Email: judya@was.org

MEMBERSHIP CATEGORY: (Indicate only one)
- Individual (Electronic JWAS) (USD 65/yr) Applies to an individual only
- Individual (Printed JWAS) (USD 85/yr) Applies to an individual only
- Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required)
- Student (Printed JWAS) (USD 65/yr) (Copy of Student ID or Signature of Professor required)
- Sustaining (Electronic JWAS) (USD 105/yr) Applies to any one individual from a company
- Sustaining (Printed JWAS) (USD 125/yr) Applies to any one individual from a company
- Corporate (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate
- Corporate (Printed JWAS) (USD 275/yr) Allows all employees of one company to attend meeting at Member Rate
- Lifetime (Electronic JWAS only) (USD 1005/yr) Applies to an individual only

CHAPTER OPTIONS:
- Asian Pacific
- Korea
- Latin American/Carribean
- United States (USAS)
- None (deduct USD 5)

For membership in other associations, please contact them directly.
If you need a phone number, contact the Conference Manager (+1-760-751-5005).
MANY OPPORTUNITIES FOR FARM TOURS
The Malaysian Fisheries Society will organize a number of tours throughout Malaysia. The details will be on the WAS website as they become ready.

HOTEL
APA17 Official event hotel is Seri Pacific hotel just next to the PWTC:
Reservation Tel: (60-3) 4042 5555
Fax: (60-3) 4043 8717
Email: resv@seripacific.com
www.seripacifichotel.com

TOURIST EXCURSIONS
There are many wonderful places to visit in Malaysia and things to do. The details and reservation contact information will be available soon on the WAS website.

TENTATIVE SCHEDULE

Monday, July 24
Registration Open ......................... Noon - 16:00
Exhibitor Move-in ....................... Noon - 16:00
Poster Set-up .............................. 13:00 - 16:00

Tuesday, July 25
Registration Open ......................... 7:30 - 17:00
Opening, Exhibits Ribbon Cutting ...... 9:00 - 9:40
Plenary Session .......................... 9:40 - 10:40
Trade Show & Posters Open .......... 10:00 - 18:30
Sessions ..................................... 11:00 - 17:20
Lunch ........................................ 12:30 - 13:50
Refreshments, & Poster Session ...... 17:20 - 18:30
Student Forum ............................ 17:30 - 19:00

Wednesday, July 26
Registration Open ......................... 7:30 - 17:00
Sessions ..................................... 8:30 - 17:20
Farmers Day ............................... 10:00 - 17:30
Trade Show & Posters Open ........ 10:00 - 17:30
Lunch ........................................ 12:20 - 13:50
Asian-Pacific Chapter, WAS Meeting .. 17:30 - 18:30
Reception Dinner ......................... 19:00 - 21:00

Thursday, July 27
Registration Open ......................... 7:30 - 16:00
Sessions ..................................... 8:30 - 17:20
Trade Show & Posters Open ....... 10:00 - 16:00
Lunch ........................................ 12:20 - 13:50
Sessions ..................................... 8:30 - 17:20
Trade Show & Posters Open ...... 10:00 - 16:00
Lunch ........................................ 12:20 - 13:50

FOR MORE INFORMATION:
Asian-Pacific Aquaculture 2017
Conference Manager
P.O. Box 2302
Valley Center, CA 92082 USA
Questions?:
Tel: +1-760-751-5005
Fax: +1-760-751-5003

YOUR FULL CONFERENCE REGISTRATION INCLUDES:
✦ Only pre-registered attendees are guaranteed materials
✦ Admission to all sessions, seminars and the trade show.
✦ Admission to the Reception.
✦ Conference bag, Abstract USB and Show Directory (except for spouse)
✦ Refreshment Breaks and Cash Bar Happy Hour
✦ Students receive the full registration package plus the Student Reception. To qualify for the student rate, a copy of your student I.D. is required.

REGISTER EARLY AND SAVE!