ASIAN PACIFIC AQUACULTURE 2009

and

Malaysian International Seafood Exposition 2009

November 3 - 6, 2009 • Kuala Lumpur, Malaysia

Hosted by: Department of Fisheries, Ministry Agriculture & Agro-Based Industries, Malaysia
Asian-Pacific Aquaculture 2009 is the place to learn about the latest in aquaculture, see the newest technology in the trade show with exhibits from around the world and enjoy the many tourist sights in Malaysia.

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at Asian-Pacific Aquaculture 2009 will cover all aspects of aquaculture in Malaysia as well as Southeast Asia. Sample topics will include:

Marine Shrimp
- Production
- Breeding and Genetics
- Nutrition
- Health

Tilapia
- Production
- Nutrition
- Health

Freshwater Fish Culture
- Catfish
- Cyprinids
- Integrated Culture Systems
- Reservoir-based Aquaculture

Tilapia
- Production
- Nutrition
- Health

Production Systems
- Recirculating Systems
- Processing (Value-added)
- Cost Efficiencies
- Technology and Equipment

Mollusc Culture
- Hatchery
- Production
- Health

Risk Management
- Macrobrachium
- Crabs and Lobsters
- General Aquaculture
- Seaweeds and Algae
- Ornamentals
- Aquatic Animal Health

Education and Training
- Genetics in Aquaculture
- Aquafeeds
- Aquaponics
- Development & Planning
- Marketing and Trade
- 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

Stay in touch with the program developments for

ASIAN-PACIFIC AQUACULTURE 2009
through our Web Page at: http://www.was.org
CALL FOR PAPERS - DEADLINE: May 1, 2009

ASIAN-PACIFIC AQUACULTURE 2009 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.**

Posters will have a featured and prominent place in ASIAN-PACIFIC AQUACULTURE 2009:

- Presenters that turn in the PDF or PowerPoint of their poster four weeks before the conference will have their poster reviewed at the end of the appropriate oral session.
- If turned in as stated above, the posters will also go on the conference website.
- Besides the two Happy Hours in the exhibits, there will be an additional Special Poster Viewing & Happy Hour on Friday.
- In the Program Book, special announcements will be made in the oral session lists of where relevant posters can be found.

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 PowerPoint. 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 2009 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 title paper 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 are highly recommended and they may be in color. They should be reduced to the appropriate size to fit a one page abstract and should be clearly readable at the reduced size. The reduced figures and tables should be included in the abstract.

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**SAMPLE**

**2.5 cm margin**

**EVALUATION OF JUVENILE AUSTRALIAN RED CLAW CRAYFISH Cherax quadricarinatus FED PRACTICAL DIETS WITH AND WITHOUT SUPPLEMENTAL LECITHIN AND/OR CHOLESTEROL.**

Laura A. Muzinic,* Kemmeti R. Thompson, Tracey Christian, Carl D. Webster, Lukas Mamontov, and David B. Rouse

Aquaculture Research Center
Kentucky State University
Frankfort, KY 40601
lmuzinic@dcr.net

Red claw crayfish (Cherax 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 aquaculture across the United States. Red claw are only being investigated as an aquaculture species in this country because 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 40% of total expenses for an aquaculture enterprise, it is imperative that the least expensive diet for the species be determined. The present study was conducted to determine if a practical diet for red-claw crayfish.

An 8-week feeding trial was conducted in a recirculating water system with newly-hatched juvenile (5-70 g) red clawn, stocked in plastic mesh culture units. Individual units were within fiberglass tanks, each equipped with a recirculating water line. Water was recirculated through biological and mechanical filters. Water temperature was maintained at 27-28°C and pH measured three times per week. The goal of this trial was to examine the effects of growth performance of newly-hatched juvenile red-claw crayfish 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>
<thead>
<tr>
<th>Diet</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methionine</td>
<td>25.0</td>
<td>25.0</td>
<td>25.0</td>
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<tr>
<td>Soybean Meal</td>
<td>25.0</td>
<td>25.0</td>
<td>25.0</td>
<td>25.0</td>
</tr>
<tr>
<td>Lecithin</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Other</td>
<td>3.8</td>
<td>3.8</td>
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</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 2% lecithin appears to be sufficient and that lecithin and cholesterol are not necessary for juvenile red-claw crayfish.

**2.5 cm margin**

**21 cm wide**

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**PLEASE SUBMIT YOUR ABSTRACT ONLINE**

www.was.org
NAME BADGE INFORMATION:
(As you want your name badge to read – No titles, please)
First Name ____________________________ SURNAME (FAMILY NAME) ____________________________
Company or Institution ____________________________
(Limited to 40 Letters & Spaces)
City ____________________________ State/Prov ____________________________ Country ____________________________

MAILING INFORMATION:  Email ____________________________
(Address ____________________________
City ____________________________ State / Prov ____________________________ Postal Code ____________________________ Country ____________________________
Phone ____________________________ Fax ____________________________ Title: (circle one) Dr. Mr. Ms. Mrs.

(Include country and city code) (Include country and city code)

TYPE OF REGISTRATION
FULL CONFERENCE & TRADE SHOW
In order to receive the pre-Registration discount rate, this form and payment must be received by the date above.

ASSOCIATION MEMBER RATE*
STUDENT MEMBER RATE*
Include copy of Student I.D.

<table>
<thead>
<tr>
<th>Register by August 25, 2009</th>
<th>Register by October 15, 2009</th>
<th>Register after October 15, 2009</th>
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<tr>
<td>US$ 295</td>
<td>US$ 395</td>
<td>US$ 495</td>
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<td>US$ 105</td>
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<td>US$ 155</td>
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</tbody>
</table>

Non-Member Rate
Student Non-Member Rate
Include copy of Student I.D.
You can join WAS on the reverse side and use the Member Rate.

<table>
<thead>
<tr>
<th>Register by August 25, 2009</th>
<th>Register by October 15, 2009</th>
<th>Register after October 15, 2009</th>
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<tbody>
<tr>
<td>US$ 390</td>
<td>US$ 490</td>
<td>US$ 590</td>
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<tr>
<td>US$ 165</td>
<td>US$ 165</td>
<td>US$ 205</td>
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Spouse Rate
Name ____________________________

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<tr>
<th>Register by August 25, 2009</th>
<th>Register by October 15, 2009</th>
<th>Register after October 15, 2009</th>
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<tr>
<td>US$ 225</td>
<td>US$ 295</td>
<td>US$ 325</td>
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TRADE SHOW PASS – Good for 3 days admission to exhibits only – Aug. 4, 5, 6
(Trade show pass is included with the Full Conference Registration)

<table>
<thead>
<tr>
<th>Register by August 25, 2009</th>
<th>Register by October 15, 2009</th>
<th>Register after October 15, 2009</th>
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<tbody>
<tr>
<td>US$ 30</td>
<td>TOTAL TRADE SHOW PASS US$</td>
<td>US$</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
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<td>US$</td>
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Do not mail registration after October 5, 2009 or fax after October 31.
After October 31, bring this form with you to register at the show.

<table>
<thead>
<tr>
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<td>US$</td>
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TOTAL REGISTRATION FEE
US$ ____________________________

TOTAL AMOUNT US$ ____________________________
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.

- AQUABIO
- Aquaculture Association of Canada
- Aquaculture Engineering Society
- Aquaculture Without Frontiers
- Asian Fisheries Society
- Asian-Pacific Chapter WAS
- China Society of Fisheries
- Egyptian Aquaculture Society
- European Aquaculture Society
- Global Aquaculture Alliance
- Indonesian Aquaculture Society
- International Association of Aquaculture Economics and Management
- Korean Aquaculture Society
- Korea Chapter, WAS
- Latin American and Caribbean Chapter, WAS
- Malaysian Fisheries Society
- National Aquaculture Council of Australia
- Sociedad Brasileria de Acuicultura
- Society of Aquaculture Professionals
- Spanish Aquaculture Association
- Sociedad Brasileria de Acuicultura
- USAS, WAS
- World Aquaculture Society (WAS)

MEMBERSHIP APPLICATIONS □ NEW APPLICATION □ RENEWAL

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 60/yr) Applies to an individual only
- Individual (Printed JWAS) (USD 80/yr) Applies to an individual only
- Student (Electronic JWAS) (USD 40/yr) (Copy of Student ID or Signature of Professor required)
- Student (Printed JWAS) (USD 60/yr) (Copy of Student ID or Signature of Professor required)
- Sustaining (Electronic JWAS) (USD 100/yr) Applies to any one individual from a company
- Sustaining (Printed JWAS) (USD 120/yr) Applies to any one individual from a company
- Corporate (Electronic JWAS) (USD 250/yr) Allows all employees of one company to attend meeting at Member Rate
- Corporate (Printed JWAS) (USD 270/yr) Allows all employees of one company to attend meeting at Member Rate
- Lifetime (Electronic JWAS only) (USD 1000/yr) Applies to an individual only

CHAPTER OPTIONS: (Must have active membership in one of the categories at left)
- Asian Pacific (USD 5)
- Korea (USD 5)
- Latin American/Caribbean (USD 5)
- United States (USAS) (USD 5)

Total Amount for WAS Membership       USD__________________

Please enter this amount under “Membership Dues” section on opposite side of this form.
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
A complete list of hotels and reservation information will be posted on the website.

TRAVEL
For the best airfares, contact:
Flight Coordinators for details at:
Tel: 1-800-544-3644 or +1-310-581-5600
Fax: +1-310-581-5620
Email: globaltc@gte.net

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

**Tuesday, November 3**
- Registration Open ..................................... 8:00 - 17:30
- Exhibitor Move-in .................................... 8:00 - 16:00
- Poster Set-up ......................................... 13:00 - 16:00
- Opening, Trade Ribbon Cutting .................. 18:00 - 19:00

**Wednesday, November 4**
- Registration Open .................................. 7:30 - 17:00
- Plenary Session ...................................... 9:00 - 10:30
- Trade Show & Posters Open .................... 10:30 - 18:00
- Session ............................................... 11:00 - 17:20
- Lunch (Provided) .................................. 12:40 - 14:00
- Treasure Hunt, Refreshments, & Poster Session ........................... 17:20 - 18:00
- Reception Dinner .................................. 20:00 - 23:00

**Thursday, November 5**
- Registration Open .................................. 7:30 - 17:00
- Session ............................................... 9:00 - 17:30
- Farmers Day ........................................ 10:00 - 17:30
- Trade Show & Posters Open .................... 10:00 - 17:30
- Lunch (Provided) .................................. 12:40 - 14:00
- Meet the Buyers and Producers Reception ... 17:30 - 18:30

**Friday, November 6**
- Registration Open .................................. 7:30 - 16:00
- Session ............................................... 9:00 - 17:00
- Trade Show & Posters Open .................... 10:00 - 15:00
- Lunch (Provided) .................................. 12:40 - 14:30
- Asian-Pacific Chapter, WAS Meeting ....... 17:30 - 19:00

FOR MORE INFORMATION:
Asian-Pacific Aquaculture 2009
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 CD 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!