

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



**WORLD
AQUACULTURE
Society**



ASIAN PACIFIC AQUACULTURE 2009

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:



TENTATIVE SESSIONS

Marine Shrimp

Production
Breeding and Genetics
Nutrition
Health

Tilapia

Production
Nutrition
Health

Freshwater Fish Culture

Catfish
Cyprinids
Integrated Culture Systems
Reservoir-based Aquaculture

Marine Finfish

Culture Systems
Nutrition
Seed Supply

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

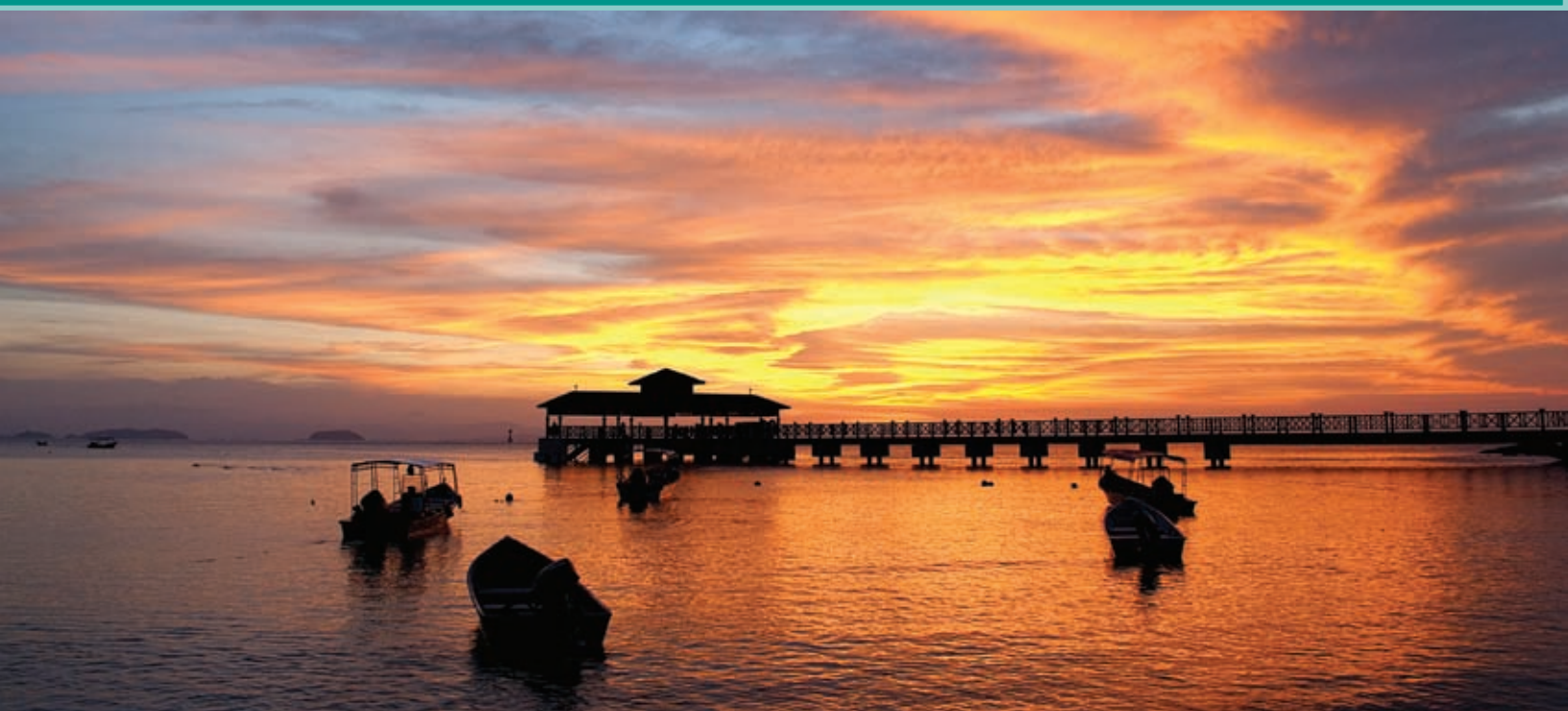
Education and Training

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 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 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.

- 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.
- AUTHOR(S):** The first name should be the presenting author. Use * after the presenting author. Type in upper/lower case.
- ADDRESS AND EMAIL:** Type only the presenting author's institution, address and email. Type in upper/lower case.
- MAXIMUM LENGTH:** One Page
- PAGE SIZE:** Standard A4 paper (210mm x 297mm = 8.27" x 11.69")(portrait)
- MARGINS:** 1-inch margin throughout (left/right/top/bottom)
- SPACING:** Single spaced
- PARAGRAPHS:** Paragraphs should be separated by a blank line and should not be indented.
- FONT:** Character fonts should be 12 point type.
- 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.

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*, Kenneth R. Thompson, Tracey Christian, Carl D. Webster, Lukas Manomaitis, and David B. Rouse

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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 in the United States. Red claw are only being investigated as an aquaculture species in this country because no reliable information exists on their nutritional requirements and practical diet formulations. Since many crayfish species require lecithin and cholesterol to be added to their diet, these two nutrients are usually added; however, lecithin and cholesterol are very expensive. Since diet costs can be as much as 50% of the overall expenses for an aquaculture enterprise, it is imperative that the least expensive diet formulation that meets the nutrient requirements of the species. The present study was conducted to determine if cholesterol and/or lecithin needs to be added to a practical diet for red claw crayfish.

An 8-week feeding trial was conducted in a recirculating system with newly-hatched juvenile (*Cherax quadricarinatus*) of weight of 0.2 g red claw, each stocked in individual plastic mesh culture units. Individual units were installed within fiberglass tanks, each connected to a central water line. Water was recirculated through biological and mechanical filters. Water temperature was maintained at 27-29°C and lighting was provided by overhead fluorescent ceiling lights on a 12-hour light:dark cycle. Ammonia, nitrite, dissolved oxygen, temperature, alkalinity, chlorides, and pH were measured three times per week. The goal of the 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).

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.

2.5 cm margin

2.5 cm margin

21 cm wide

29.7 cm long

PLEASE SUBMIT YOUR ABSTRACT ONLINE

www.was.org



REGISTRATION FORM

Asian-Pacific Aquaculture 2009 November 3-6, 2009



SAVE TIME – REGISTER ONLINE

SAVE TIME – REGISTER ONLINE

Online registration is preferred at www.was.org OR fax or mail both sides with payment. Use one form per person.

PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION

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 _____
(please include email address)

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	Register by August 25, 2009	Register by October 15, 2009	Register after October 15, 2009	* To qualify for Member Rate you <u>must</u> complete the Association Memberships section on the reverse side. ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● Trade Show is <u>included</u> in the Full Conference Registration Rate.
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*	<input type="checkbox"/> US\$ 295	<input type="checkbox"/> US\$ 395	<input type="checkbox"/> US\$ 495	TOTAL REGISTRATION FEE US\$ _____
STUDENT MEMBER RATE* Include copy of Student I.D.	<input type="checkbox"/> US\$ 105	<input type="checkbox"/> US\$ 105	<input type="checkbox"/> US\$ 155	
Non-Member Rate	<input type="checkbox"/> US\$ 390	<input type="checkbox"/> US\$ 490	<input type="checkbox"/> US\$ 590	
Student Non-Member Rate Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.	<input type="checkbox"/> US\$ 165	<input type="checkbox"/> US\$ 165	<input type="checkbox"/> US\$ 205	
<input type="checkbox"/> Spouse Rate Name _____	<input type="checkbox"/> US\$ 225	<input type="checkbox"/> US\$ 295	<input type="checkbox"/> US\$ 325	
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) <input type="checkbox"/> US\$ 30 TOTAL TRADE SHOW PASS US\$ _____				
MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable. TOTAL MEMBERSHIP DUES US\$ _____				
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.			➔ TOTAL AMOUNT US\$ _____	
REGISTRATION CONFIRMATION AND RECEIPT WILL BE EMAILED AFTER PROCESSING.				

CANCELLATION POLICY: Cancellation of registration must be received - in writing - no later than October 10, 2009. Refunds for registration fees will be subject to a 20% handling fee. Refunds are processed after the conference. No refund will be made for cancellations received after October 10, 2009 or for "no shows". After October 10, 2009, 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 2009 without charges for the beneficiary.

Cheque No. _____

Visa Mastercard Access Diners American Express

Card # _____ Expiration Date _____ Name on Card _____

For bank transfer details, contact us. Date _____ Signature _____

Return address for payments in USD:

WAS Conference Office - ASIAN-PACIFIC AQUACULTURE 2009

P.O. Box 2302 Valley Center, CA 92082 USA

Tel: +1 760 751 5005 Fax: +1 760 751 5003 Email: worldaqua@aol.com

REGISTRATION FORM - SIDE 2

Name _____

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.

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

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
Sessions.....	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
Sessions.....	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
Sessions.....	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 \$AVE!