



Asian-Pacific Aquaculture 2027

*Blue Aquaculture for Resilient Future:
"Tropical Innovation, Global Solutions"*

7-10 September, 2027

Nha Trang, Vietnam

The Annual International Conference &
Exposition of World Aquaculture Society
and Asian Pacific Aquaculture 2027
Annual meeting of Asian Pacific Chapter, WAS



APA 2027

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ASIAN PACIFIC AQUACULTURE 2027

(APA 2027)

Nha Trang, Vietnam

Asian Pacific Aquaculture 2027 (APA 2027) will bring the global aquaculture community to Vietnam, one of the fastest-growing aquaculture hubs in the Asia-Pacific region. This premier international conference will showcase the latest innovations, technologies, and sustainable practices in aquaculture, supported by a comprehensive technical program, international trade exhibition, and valuable networking opportunities with industry leaders and experts from around the world.

Hosted in Nha Trang, Vietnam's premier coastal destination, the event offers an exceptional setting with crystal-clear waters, rich marine biodiversity, and a year-round tropical climate. Vietnam's strong commitment to sustainable development, modern aquaculture practices, and its reputation as a safe, welcoming, and culturally vibrant country make it an ideal host. Nha Trang further enhances the experience with its blend of world-class resorts, island excursions, historic Cham heritage, and renowned seafood cuisine—providing attendees not only a place to connect and learn, but also to explore and experience the best of coastal Vietnam.

SPECIAL PRODUCER PROGRAM

Asian Pacific Aquaculture 2027 will have several special Industry sessions with the latest in practical knowledge for the Vietnam aquaculture producers.

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at Asian Pacific Aquaculture 2027 will cover all aspects of aquaculture in Vietnam as well as Southeast Asia.



PROGRAM TOPICS

Aquaculture Engineering	Hatchery Management
Aquaculture in Pacific Island Countries and Territories (PICTs)	Immunology, Vaccines, Probiotics, Prebiotics, and Synbiotics
Aquaponics and Integrated Aquaculture-Agriculture Systems	Indonesian Aquaculture
Aquatic Animal Welfare	Information Technology in Aquaculture
Biodiversity and Climate Change	Invertebrate Biology and Physiology
Biology and Culture of Amphibians and Reptiles	Larviculture Technology
Bivalves	Livefood Culture and Management
Blue Economy	Marketing, Trade, and Investments in Aquaculture
Breeding and Genetics	Microalgae culture
Broodstock Culture, and Domestication	Nutrition and Dietary Requirements
Cage Aquaculture and Offshore Aquaculture	Ornamentals Fish and Systems
Catfish and Eels	Other Freshwater Species
Cobia, Flatfish, Milkfish and Other Marine Fish	Pearl and Other Invertebrate Species
Crabs and Lobsters	Polyculture, Pond Culture and Raceway Systems
Crayfish and Freshwater Prawn	Processing Technology and Product Quality
Disease Diagnosis and Treatment Methods	Recirculating Aquaculture Sytem (RAS), Biofloc, Environmental Probiotics and Integrated Multi-Trophic Aquaculture (IMTA)
Drugs and Chemotherapeutics	Sea bass and Sea-breams
Economics, Value Chain Development, and Management	Sea cucumbers and Urchins
Education, Extension and Technology Transfer	Seaweeds and Seagrasses
Emerging Issues, Policy, and Regulations	Shrimp Diseases and Health Management
Enhancement, Stocking and Ranching	Shrimp Farm Design and Management
Environmental problems and Adaptations in Aquaculture, and Fisheries	Shrimp/Prawn Genetics, Domestication and Seed Selection
Epidemiology and Health Management	Shrimp/Prawn Nutrition and Feeds
Farmers' Day	Shrimp/Prawn Seed Production and Hatchery Management
Feeding Technology and Automation	Sustainable Development of Aquaculture
Feedstuffs, Ingredients and Feed Additives	Tilapia
Fish Biology and Physiology	Tuna, Yellowtails and Amberjacks
Food Safety, Inspections, Audits, and Security	Waste Recycling & Utilization
General Aquaculture	Water Quality, Usage and Management
General Biotechnology	Women in Aquaculture
Genomes and Omic Technology	
Groupers and Snappers	
HACCP, Standards and Certification	

Stay in touch with the program developments for ASIAN-PACIFIC AQUACULTURE 2027 through our Web Page at: <http://www.was.org>

CALL FOR PAPERS – DEADLINE: May 31, 2027

ASIAN-PACIFIC AQUACULTURE 2027 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 2027:

- 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 2027 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed - an abstract book will be available online.

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 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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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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Kentucky State University
Frankfort, KY 40601
lmuzinic@dcrcr.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 tolerance 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 information exists on their nutritional requirements and practical diet formulations. Since many crayfish 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 30% of the total expenses for an aquaculture enterprise, it is imperative that the least expensive diet 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 red claw (initial weight of 0.2 g) red claw, each stocked in a plastic mesh culture units. Individual units were placed within fiberglass tanks, each of which had an individual water line. Water was recirculated through biological and mechanical filters. Water temperature was maintained at 27-29°C and light was provided by overhead fluorescent ceiling lights on a 14-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.

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2.5 cm margin

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

	Diet			
	1	2	3	4
Menhaden FM	25.0	25.0	25.0	25.0
Soybean Meal	35.0	35.0	35.0	44.5
Lecithin	0.5	0.0	0.5	0.0
Cholesterol	1.0	1.0	0.0	0.0
Other	38.5	39.0	39.5	30.5

TABLE 2. Final weight, percentage weight gain, specific growth rate (SGR), and percentage survival of red claw crayfish fed four practical diets. Means in a column with different letters were significantly different ($P < 0.05$)

	Diet			
	1	2	3	4
Final weight (g)	6.97a	6.00a	3.64b	5.11a
Weight gain (%)	3384a	2897a	1717b	2454a
SGR (%/day)	5.74a	5.66a	4.68b	5.41a
Survival (%)	76.0	64.0	56.0	80.0

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2.5 cm margin

21 cm wide

29.7 cm long

PLEASE SUBMIT YOUR ABSTRACT ONLINE

**Submit your abstract via the internet at the meeting website.
Follow the complete instructions on the website for online submission.**

www.was.org



REGISTRATION FORM

ASIAN-PACIFIC AQUACULTURE 2027

September 7 - 10, 2027



SAVE TIME – REGISTER ONLINE

- Register Online
 - Please return both sides of this form with payment to one of the addresses above (depending on the currency used).
 - Registration can be faxed (Fax: +1-760-751-5003) if paying by credit card. (Fax both sides).
 - Use one form per person. Please copy this form for additional people.
 - Cancelled registrations will receive a refund minus 20% handling. Cancellations must be in writing and be received by August 7, 2027
- Refunds will be issued after the conference.

SAVE TIME – REGISTER ONLINE

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 July 1, 2027	Register after July 1, 2027	* To qualify for Member Rate you <u>must</u> complete the Association Memberships section on the reverse side. Only the listed Asia-Pacific countries that qualify in this event and registration for Non-Member rate will be included in WAS Membership
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*	☐ US\$ 395	☐ US\$ 490	● ● ● ● ● ● ● ● Trade Show is <u>included</u> in the Full Conference Registration Rate.
STUDENT MEMBER RATE* Include copy of Student I.D.	☐ US\$ 195	☐ US\$ 225	
Non-Member Rate	☐ US\$ 495	☐ 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.	☐ US\$ 245	☐ US\$ 285	
Asia-Pacific Country Member Rate*	☐ US\$ 200	☐ US\$ 280	
Asia-Pacific Country Student Rate*	☐ US\$ 100	☐ US\$ 120	
Asia Pacific Country Non-Member Rate*	☐ US\$ 260	☐ US\$ 315	
Asisa-Pacific Country Student Non-Member Rate*	☐ US\$ 130	☐ US\$ 150	
☐ Spouse Rate Name _____	☐ US\$ 225	☐ US\$ 395	
TRADE SHOW PASS – Good for 3 days admission to exhibits only September 8, 9, and 10 (Trade show pass is included with the Full Conference Registration) ☐ US\$ 50 TOTAL TRADE SHOW PASS US\$ _____			
INDUSTRY TOURS – Information to come US\$ _____			
MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable. US\$ _____			
Do not mail registration after August 15, 2027 or fax after August 15, 2027. After August 15, 2027, bring this form with you to register at the show.			
→ TOTAL AMOUNT US\$ _____			

REGISTRATION CONFIRMATION AND RECEIPT WILL BE EMAILED AFTER PROCESSING.

PAYMENT METHOD: All fees must be paid to the order of ASIAN-PACIFIC AQUACULTURE 2027 without charges for the beneficiary.

☐ Check # _____ ☐ Visa ☐ Mastercard ☐ American Express ☐ Discover ☐ Diners Club

Card # _____ Expiration Date _____ Sec Code _____

Name on Card _____ Date _____ Signature _____

Credit Card Billing Address _____

For bank transfer details, contact us.

Return address for payments in USD:
WAS Conference Office - ASIAN-PACIFIC AQUACULTURE 2027
P.O. Box 2302 • Valley Center, CA 92082 USA
Tel: +1 760 751 5005 Fax: +1 760 751 5003 Email: worldaqua@was.org

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.

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

- ☐ Aquaculture Association of Canada
☐ European Aquaculture Society
☐ Global Aquaculture Alliance
☐ Indonesian Aquaculture Society

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: +1-225-347-5408 Fax: +1-225-347-5408 Email: judya@was.org

MEMBERSHIP CATEGORY: (Indicate only one)

- ☐ **Individual** (USD 90/yr) Applies to an individual only
- ☐ **Full Student** (USD 45/yr) Has all benefits and rights of regular membership including voting for all candidates on the ballot (Copy of Student ID or Signature of Professor required)
- ☐ **Comp Student** (No charge) Has all benefits of regular membership but voting only allowed is for the Student Director and not for the full ballot. (Copy of Student ID or Signature of Professor required)
- ☐ **Sustaining** (USD 155/yr) Applies to any one individual from a company
- ☐ **Corporate** (USD 295/yr) Allows all employees of one company to attend meeting at Member Rate
- ☐ **Lifetime** (USD 1400 with one chapter) Applies to an individual only

**Discounted rates available for individuals in countries based on World Bank List of Low Income Economies. Must sign-up on website only for this category.

CHAPTER OPTIONS:

*One chapter included in membership.
Mark the chapter you choose.*

- ☐ **African Chapter**
☐ **Asian Pacific**
☐ **Korea**
☐ **Latin American/Caribbean**
☐ **United States (USAS)**
☐ **None** (deduct USD 5)

You can add extra Chapters for USD 5

Fees for memberships are non-refundable.

Total Amount for WAS Membership USD _____
Please enter this amount under "Membership Dues" section on opposite side of this form.

***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

Some very special tours will be set up by the Vietnamese Associations. Details to be provided later – check our website for updates.



FOR MORE INFORMATION: ASIAN-PACIFIC AQUACULTURE 2027

Conference Manager

P.O. Box 2302

Valley Center, CA 92082 USA

Tel: +1-760-751-5005 Fax: +1-760-751-5003

Email: worldaqua@was.org

www.was.org

TENTATIVE SCHEDULE

TUESDAY, SEPTEMBER 7

Registration Open	Noon - 6:30 pm
Exhibitor Move-in	Noon - 6:00 pm

WEDNESDAY, SEPTEMBER 8

Registration Open	7:30 am - 5:00 pm
Exhibitor Move-in	8:00 am - 10:00 am
Poster Set-up	8:00 am - 10:00 am
Opening Ceremony	9:00 am - 10:00 am
Plenary Session	10:00 am - 10:40 am
Exhibition Official Opening	10:40 am
(ribbon cutting)	
Refreshment Break	10:40 am - 11:20 am
Trade Show & Posters Open	10:00 am - 6:30 pm
Sessions	11:20 am - 12:40 pm
Lunch (Provided)	12:40 pm - 1:50 pm
Sessions	1:50 pm - 3:30 pm
Refreshment Break	3:30 pm - 4:00 pm
Sessions	4:00 pm - 5:20 pm
Happy Hour & Poster Session	5:20 pm - 6:30 pm
Student Reception	7:00 pm - 9:00 pm

THURSDAY, SEPTEMBER 9

Registration Open	7:30 am - 5:00 pm
Sessions	9:00 am - 10:40 am
Poster Set-up	8:00 am - 10:00 am
Refreshment Break	10:40 am - 11:00 am
Trade Show & Posters Open	10:00 am - 6:30 pm
Sessions	11:00 am - 12:20 pm
Lunch (Provided)	12:20 pm - 1:40 pm
Sessions	1:40 pm - 3:40 pm
Refreshment Break	3:40 pm - 4:00 pm
Sessions	4:00 pm - 5:20 pm
Happy Hour & Poster Session	5:20 pm - 6:30 pm
WAS-APC Members meeting	5:30 pm - 6:30 pm

FRIDAY, SEPTEMBER 10

Registration Open	7:30 am - 5:00 pm
Sessions	9:00 am - 10:20 am
Refreshment Break	10:20 am - 11:00 am
Trade Show & Posters Open	10:00 am - 5:30 pm
Sessions	11:00 am - 12:20 pm
Lunch (Provided)	12:20 pm - 1:40 pm
Sessions	1:40 pm - 3:40 pm
Refreshment Break	3:40 pm - 4:00 pm
Sessions	4:00 pm - 5:20 pm
Poster out take down	4:00 pm - 6:30 pm
Exhibitor Move out	5:40 pm - 10:00 pm

YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- ❖ Admission to all sessions, seminars and the trade show.
- ❖ Conference bag and Show Directory (except for spouse)
- ❖ Lunch, Refreshment Breaks and 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.
- ❖ Only pre-registered attendees are guaranteed materials.

REGISTER EARLY AND \$AVE!