

- New Show Dates -

Asian-Pacific Aquaculture 2024

Aquaculture - Driving the Blue Economy

2-5 July, 2024

Grand City Surabaya, Indonesia

The Annual International Conference & **Exposition of World Aquaculture Society** and Asian Pacific Aquaculture 2024 **Annual meeting of Asian Pacific Chapter, WAS**

> WRLD **AQUACULTURE** Society







Co-Organizer: PT Tirta Anugrah Abadi

























ASIAN PACIFIC AQUACULTURE 2024

THE THIRD MAJOR INTERNATIONAL AQUACULTURE CONFERENCE IN **INDONESIA**

After the first successful meeting in 2005 in Bali, and following the successful in 2016 in Surabaya. We decided to come back to Indonesia again in 2024.

Asian Pacific Aquaculture 2024 will be the next chance for the international aquaculture community to visit Indonesia and see the rapidly expanding aquaculture industry in Indonesia - nearly 20% increase in the last 5 years in hectares in aquaculture production and growing significantly every year for the last 10 years! Attendees will be able to see what is happening in Indonesian aquaculture to create this growth as well as aquaculture developments in the rest of Southeast Asia.

Asian Pacific Aquaculture 2024 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 sites in Indonesia.

SPECIAL PRODUCER PROGRAM

Asian Pacific Aquaculture 2024 will have several special Industry sessions with the latest in practical knowledge for the Indonesian aquaculture producers.

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at Asian Pacific Aquaculture 2024 will cover all aspects of aquaculture in Indonesia as well as Southeast Asia.



PROGRAM TOPICS

Aquaculture Engineering Aquaculture in Pacific Island Countries and Territories (PICTs)

Aquaponics and Integrated Aquaculture-Agriculture Systems

Aquatic Animal Welfare Biodiversity and Climate Change Biology and Culture of

Amphibians and Reptiles

Bivalves

Blue Economy

Breeding and Genetics Broodstock Culture, and

Domestication

Cage Aquaculture and Offshore

Aquaculture

Catfish and Eels

Cobia, Flatfish, Milkfish and

Other Marine Fish

Crabs and Lobsters

Crayfish and Freshwater Prawn

Disease Diagnosis and Treatment

Methods

Drugs and Chemotherapeutics Economics, Value Chain

Development, and

Management

Education, Extension and Technology Transfer

Emerging Issues, Policy, and

Regulations

Enhancement, Stocking and

Ranching

Environmental problems and Adaptations in Aquaculture,

and Fisheries

Epidemiology and Health

Management

Farmers' Day

Feeding Technology and

Automation

Feedstuffs, Ingredients and Feed

Additives

Fish Biology and Physiology

Food Safety, Inspections, Audits,

and Security

General Aquaculture

General Biotechnology

Genomes and Omic Technology

Groupers and Snappers

HACCP, Standards and

Certification

Hatchery Management Immunology, Vaccines, Probiotics, Prebiotics, and Synbiotics

Indonesian Aquaculture Information Technology in

Aquaculture

Invertebrate Biology and Physiology

Larviculture Technology Livefood Culture and

Management

Marketing, Trade, and Investments in Aquaculture

Microalgae culture

Nutrition and Dietary

Requirements

Ornamentals Fish and Systems

Other Freshwater Species

Pearl and Other Invertebrate

Species

Polyculture, Pond Culture and Raceway Systems

Processing Technology and

Product Quality

Recirculating Aquaculture

Sytem (RAS), Biofloc, Environmental Probiotics

and Integrated Multi-Trophic Aquaculture (IMTA)

Sea bass and Sea-breams

Sea cucumbers and Urchins Seaweeds and Seagrasses

Shrimp Diseases and Health

Management Shrimp Farm Design and

Management

Shrimp/Prawn Genetics, Domestication and Seed

Selection Shrimp/Prawn Nutrition and

Shrimp/Prawn Seed Production

and Hatchery Management Sustainable Development of

Aquaculture

Tilapia

Tuna, Yellowtails and

Amberjacks

Waste Recycling & Utilization

Water Quality, Usage and

Management

Women in Aquaculture

CALL FOR PAPERS - DEADLINE: March 31, 2024

ASIAN-PACIFIC AQUACULTURE 2024 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 2024:

- 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 2024 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

margin

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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.
- 2. 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.
- 4. 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)
- 7. SPACING: Single spaced
- 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.

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

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

Red claw crayfish (Cherax quadricarinatus) are one of more than a hundre crayfish. However, because of its rapid growth rate, ease of spawning, with the united States. Red claw are only being investigated as an aquaculture species in this country are the united States. Red claw are only being investigated as an aquaculture species in this country are the united States on their nutritional requirements and practical diet formulation, ince many critical many critical died, however, lecithin and cholesterol to be added to their diet, these two nutrients are usual are very expensive. Since diet costs can be as much a present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of a practical diet for red claw crayfish.

ecirc |-An 8-week feeding trial was conducted in system with newly-hatched juvenile (vtain d weight of 0.2 g) red claw, each stocked plastic mesh culture units. Individed units were an in within fiberglass tanks, each of water line. Water was recircula and mechanical filters. Water was recircula and mechanical filters. ogical fluorescent ceilin (ght 4) cycle. Ammonia, n alkalinity, chloridae ed by overhead hour light:dark oxygen, temperature, measured three times andy was to examine the per week. The goal of aidy 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.

 $\begin{tabular}{ll} TABLE~1.~Formulation~of~experimental~diets~fed~to~red~claw~crayfish. \end{tabular}$

TABLE 2. Final weight, percentage weight gain, specific growth rate (SGR), and percentage survival of red claw crayfish fed four practical diets. Means i 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

2.5 cm margin

21 cm wide

PLEASE SUBMIT YOUR ABSTRACT ONLINE

www.was.org

cm margin



REGISTRATION FORM

ASIAN-PACIFIC AQUACULTURE 2024 July 2-5, 2024



SAVE TIME - REGISTER ONLINE

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 April 10, 2024 Refunds will be issued after the conference.

	PLEASE PRINT	CLEARLY OR	TYPE ALL REQUESTED I	INFORMATION	
NAME BADGE INFORMATION: (As you	want your name	badge to read –	No titles, please)		
First Name		SU	RNAME (FAMILY NAME)		
Company or Institution					
(Limited to 4)	0 Letters & Spaces	s)			
City		State	/Prov	Country	
MAILING INFORMATION: Email					
Address (pleas	se include email ac	ldress)			
City	State	/ Prov	Postal Code	Countr	у
Phone (Include country and city code)		Fax		Title: (circle one)	Dr. Mr. Ms. Mrs.
		(Include	e country and city code)		
TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW In order to receive the pre-Registration discount ra		vment must be rec	Register by April 15, 2024	Register after April 15, 2024	* To qualify for Member Rate you <u>must</u> complete the Association
ASSOCIATION MEMBER RATE*		,	US\$ 325	US\$ 490	Memberships section on
STUDENT MEMBER RATE* Include copy of Student I.D.			US\$ 165	US\$ 195	the reverse side. Only the listed Asia-Pacific countries that qualify in
Non-Member Rate			US\$ 425	US\$ 590	this event and registration
Student Non-Member Rate Include copy of Student I.D. You can join WAS on the reverse side and us	se the Member Rate		US\$ 215	US\$ 255	for Non-Member rate will be included in WAS Membership
Asia-Pacific Country Member Rate*			US\$ 200	US\$ 280	Trade Show is included
Asia-Pacific Country Student Rate*			US\$ 90	US\$ 120	in the Full Conference
Asia Pacific Country Non-Member Ra			US\$ 260	US\$ 315	Registration Rate.
Asisa-Pacific Country Student Non-M	lember Rate*		US\$ 115	US\$ 145	TOTAL REGISTRATION FEE
Spouse Rate			US\$ 225	US\$ 395	US\$
RADE SHOW PASS – Good for 3 days a				ow pass is included with the Fu	ull Conference Registration)
NDUSTRY TOURS - Information to come					US\$
IEMBERSHIP DUES – Enter amount fro	m Membership App	lication on other si	de if applicable.		US\$
Do not mail registration after May After May 15, bring this form with			_	TOTAL AMOUNT	US\$
REGISTRATION CONFI	RMATION	AND RE	CEIPT WILL BE	EMAILED AFTER	PROCESSING.
YMENT METHOD: All fees must be	paid to the order of	of ASIAN-PACIFIC	AQUACULTURE 2024 with	nout charges for the beneficiar	у.
Check #	. Visa	Masterc			Diners Club
	. \square			Sec Code_	
Name on Card		Date	Signature		
Credit Card Billing Address					
3					

For bank transfer details, contact us.

REGISTRATION FORM - SIDE 2

Name		
any of those ass	ON MEMBERSHIPS: Please check all boxes for associations for which you ociations qualifies you for the Member Rate* on the Registration Fees. You callify for the Member Rate.	
MEMBERSHIPS:	□ WAS □ USAS □ APC □ Korean □ LACC	
AFFILIATE MEMBERSHIPS:	□ African Chapter WAS □ Aquabio □ Aquaculture Association of Canada □ Aquaculture Without Frontiers □ Asian Fisheries Society □ China Society of Fisheries □ Egyptian Aquaculture Society □ Global Aquaculture Society □ Global Aquaculture Association of Seafood Professionals □ IAFI The International Association of Seafood Professionals □ Indonesian Aquaculture Society □ Korean Aquaculture Society □ Korean Society of Fisheris and Sciences (KOSFAS) □ Malaysian Fisheries Society □ Sociedad Brasileira de Aculicultura □ Society of Aquaculture Professionals (India) □ South African Aquaculture Association (SEA)	
WORLI	APPLICATIONS IN NEW APPLICATION IN RENEWAL D AQUACULTURE SOCIETY (WAS) APPLICATION rails on the different types of memberships and options, please contact Tel: +1-225-347-5408 Fax: +1-225-347-5408 Email: jud	TION www.was.org
MEMBERSHIP C	ATEGORY: (Indicate only one)	CHAPTER OPTIONS:
🗖 Individual (USD	99/yr) Applies to an individual only	One chapter incuded in membership.
,	ISD 45/yr) Has all benefits and rights of regular membership including voting for all ballot (Copy of Student ID or Signature of Professor required)	Mark the chapter you choose. African Chapter Asian Pacific
	(No charge) Has all benefits of regular membership but voting only allowed is for the nd not for the full ballot. (Copy of Student ID or Signature of Professor required)	☐ Korea☐ Latin American/Carribean
Sustaining (US)	D 155/yr) Applies to any <u>one</u> individual from a company	☐ United States (USAS)
☐ Corporate (USI	D 295/yr) Allows all employees of one company to attend meeting at Member Rate	None (deduct USD 5)
☐ Lifetime (USD ′	1400 with one chapter) Applies to an individual only	You can add extra Chapters for USD 5
	s available for individuals in countries based on World Bank List of pnomies. Must sign-up on website only for this category.	

For membership in other associations, please contact them directly. If you need a phone number, contact the Conference Manager (+1-760-751-5005).

Fees for memberships are non-refundable.

MANY OPPORTUNITIES FOR FARM TOURS

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



FOR MORE INFORMATION:

ASIAN-PACIFIC AQUACULTURE 2024

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, July 2

Registration Open	Noon -	6:30 pm
Exhibitor Move-in	Noon -	6:00 pm
Poster Set-up	1:00 pm	5:30 pm

Wednesday, July 3

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Registration Open	7:30 am - 5:00 pm
Plenary Session	9:00 am - 10:00 am
Opening Ceremony	10:00 am - 10:40 am
Exhibitor Move-in	8:00 am - 10:00 am
Poster Set-up	8:00 am - 10:00 am
Exhibition Official Opening	10:40 am
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 (On your own)	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

Thursday, July 4

7.20 7.00
7:30 am - 5:00 pm
9:00 am - 10:40 am
8:00 am - 10:00 am
10:20 am - 11:00 am
10:00 am - 6:30 pm
11:00 am - 12:20 pm
12:20 pm - 1:50 pm
1:50 pm - 3:30 pm
3:30 pm - 4:00 pm
4:00 pm - 5:20 pm
5:20 pm - 6:30 pm
5:30 pm - 6:30 pm
7:00 pm - 9:30 pm

FRIDAY, JULY 5

I KIDAI, JULI 5				
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 (On your own)	12:20 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			
Poster out take down	4:00 pm - 6:30 pm			
Exhibitor Move out	5:40 pm - 10:00 pm			
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YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all sessions, seminars and the trade show.
- Admission to the Reception.
- Conference bag 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.
- Only pre-registered attendees are guaranteed materials.

