

WORLD AQUACULTURE 2025



WA 2025

Aquaculture: Opportunities, Options, and Optimism

November 10 - 13, 2025

Hyderabad, India

Hyderabad International  
Convention Center - Novotel

Organized by

WORLD  
AQUACULTURE  
Society



Hosted by



National Fisheries  
Development Board  
(NFDB)



Indian Council of  
Agricultural Research  
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BLUE AQUA



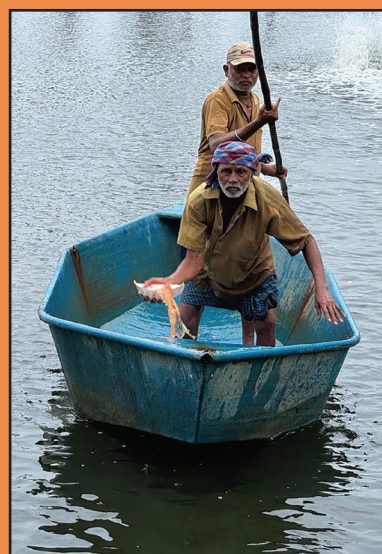
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[www.was.org](http://www.was.org)

For  
Indian  
Nationals  
Only





# WORLD AQUACULTURE VISITS INDIA AGAIN

WORLD AQUACULTURE INDIA 2025 will be held in Hyderabad with involvement from countries throughout the Asian-Pacific region and around the world.

World Aquaculture India 2025 will visit India again after a successful meeting in Asian Pacific Aquaculture 2019. Aquaculture is rapidly growing in the Asian-Pacific region and increasingly in India, therefore 2025 is the perfect time for the World Aquaculture community to focus on India again at Hyderabad.

Hyderabad plays an important role in India's maritime development with its advanced marine economy, robust marine industry and strong foundation in marine fishery, marine equipment manufacturing, and marine transportation.

***Stay in touch with the program developments for  
WORLD AQUACULTURE INDIA 2025 through our Web Page at: [www.was.org](http://www.was.org)***

## Hyderabad: The Heart of Tradition and Innovation

Hyderabad, the capital and largest city of Telangana state in India, is a vibrant and dynamic city where history, culture, and modernity beautifully coexist. The city, known for its blend of tradition and modern innovation, was nicknamed the "City of Pearls" for its booming pearl industry. Hyderabad is a must-visit destination in India for anyone seeking a unique experience in Asia with iconic landmarks like Charminar, Golconda Fort, and the Salar Jung Museum. The city's natural beauty is showcased in its scenic lakes which include Hussain Sagar and Durgam Cheruvu, providing a peaceful escape from the urban bustle. Hyderabad is also a technology hub with its modern infrastructure and entrepreneurial spirit, making it a key player in the global IT landscape. In addition to its rich and diverse history and rise as a major IT hub, Hyderabad is making waves in the growing field of Aquaculture. With its proximity to major freshwater resources and a favorable climate, the city is an ideal location for sustainable aquaculture. Hyderabad has emerged as a key hub for freshwater fish farming, shrimp production, and other aquaculture ventures, helping meet the growing demand for seafood both in India and globally. Hyderabad is the perfect city to host this event, where global experts and stakeholders will gather to discuss new trends, challenges, and solutions. The event will bring together industry experts, researchers, and entrepreneurs to discuss the latest trends and solutions in sustainable aquaculture.

## SPECIAL PROGRAMS

World Aquaculture India 2025 will have many special Producer Sessions to address Producer's concerns from around the Asia-Pacific region. Various organizations and projects will organize special sessions during this event.



# TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at World Aquaculture India 2025 will cover all aspects of aquaculture in the Asia-Pacific region as well as the rest of the world. Sample topics will include:

## **Feed, Nutrition & Physiology**

Grow-out & Broodstock Nutrition  
Alternative Feed Ingredients & Feed Technology  
Larval feed, Microalgae & Live Feeds  
Artemia  
Functional Feed Ingredient - Nutritional Strategy for High Performing Aquaculture  
Biochemistry and Physiology  
Fishmeal replacement

## **Genetics & Reproduction**

Genetic Improvement  
Conservation Genetics  
Reproductive Physiology  
Shrimp Genetics

## **Aquatic Animal Health**

Disease Diagnosis  
Disease Management in Fish Culture  
Immunology - Vaccines  
Pharmacology - Alternative Medicine  
Epidemiology  
Prebiotics & Probiotics  
Disease Management in Shrimp culture  
Antimicrobial Resistance (AMR)

## **Biotechnology, Nanotechnology & Omics**

Biotechnology  
Nanotechnology  
Omics - Genomics, Transcriptomics, Proteomics, Metabolomics  
Microbiome  
Genome Editing  
Biosensors

## **Freshwater Aquaculture**

Carp, Barbs & Other Finfishes  
Coldwater - Trout, etc.  
Catfishes and Other Finfishes  
Tilapia  
Small Indigenous Species  
Crustaceans & Molluscs  
Cage & Pen Culture  
Freshwater Ornamentals

## **Coastal Aquaculture & Mariculture**

Shrimp Culture  
Finfish Culture  
Culture of Shellfishes and Other Important Species  
Open-Sea Cage Culture  
Seaweed Culture  
Integrated Multitrophic Aquaculture Systems  
Marine Ornamentals

## **Aquaculture Systems and Practices**

RAS & Flow-through Systems  
Biofloc-based Culture Systems  
Aquaponics & Other Systems  
Mixotrophic Culture Systems  
Next-Gen Shrimp Farming in India: Technology, Profitability, and Global Trade - Blue Aqua

## **Seed Production of Freshwater, Brackishwater & Marine Organisms**

Finfish Breeding & Hatchery Management  
Shrimp Breeding & Hatchery Management  
Breeding & Hatchery Management of Other Species

## **Aquaculture & Fisheries Engineering**

AI - Applications in Aquaculture & Fisheries  
Tools, Gadgets and Devices  
Craft and Gear Engineering  
Farm Engineering

## **Fisheries Resource Management**

Freshwater Fisheries Resource Management  
Marine Fisheries Resource Management  
Fisheries Biology  
Climate Change and Mitigation  
Fisheries Conservation

## **Environmental Management**

Water Quality Management  
Environmental Issues & Management  
Biodiversity  
Bioremediation and Nature Based Solution  
Aquatic Pollution

## **Processing and Value Addition**

Post Harvest Processing - Preservation  
Product Development & Value addition  
Fish Byproducts and Waste Utilization  
Food Quality & Consumption

## **Education, Extension, Economics, Marketing & Trade**

Economics & Finances  
Fisheries Extension  
Human Resource Development  
Gender in Aquaculture  
Fisheries Cooperatives  
Entrepreneurship Development  
Marketing & Trade

## **Policy and Legislation**

Global Trade and Policy  
Traceability and Certification  
Fisheries legislation & Laws  
Country Reports/Fisheries Policies of the Countries  
Food Safety, Public Health & Aquatic Animal Health  
SDGs - Food & Nutritional Security

## **YOUR FULL CONFERENCE REGISTRATION INCLUDES:**

- Admission to all sessions, seminars and the trade show.
- Admission to the Receptions.
- 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



## **FOR MORE INFORMATION:**

Conference Manager

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

Email: [worldaqua@was.org](mailto:worldaqua@was.org) • [www.was.org](http://www.was.org)

**REGISTER EARLY AND \$AVE!**

# CALL FOR PAPERS – DEADLINE: July 15, 2025

**WORLD AQUACULTURE INDIA 2025 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. Slides, overhead projectors and video players will not be available or allowed.

**All presenters are required to pay their own registration accommodation and travel expenses.**

**World Aquaculture India 2025 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 abstract title is printed in CAPITAL LETTERS, with the exception of scientific names which should be Upper/lower case and *italicized* (see example). 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 8.5x 11 inch paper (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. FIGURES & TABLES:** Figures and tables are highly recommended. They should be reduced to the appropriate size for a one page abstract and should be clearly readable at the reduced size. The reduced figures and tables should be included in the abstract in camera-ready form.

**1 inch margin (2.54 cm)**

**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  
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 tolerance for dissolved oxygen, 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 the United States. Information exists on their nutritional requirements and practical diet formulations. Many crustaceans require lecithin and cholesterol to be added to their diet, these two nutrients are usually found in fish oil; however, lecithin and cholesterol are very expensive. Since diet costs can be as much as 20% of the total cost of an aquaculture enterprise, it is imperative that the least expensive diet be used. This study was conducted to determine if 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 (0.2 g) red claw, each stocked in a plastic mesh culture units. Individual units were placed within fiberglass tanks, each containing a recirculating 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 12 hour light:dark cycle. Ammonia, nitrite, nitrate, dissolved oxygen, temperature, alkalinity, chlorophyll, 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.

**1 inch margin (2.54 cm)**

**8.5 inches wide (21.6 cm)**

11 inches long (27.94 cm)

1 inch margin (2.54 cm)

1 inch margin (2.54 cm)

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

	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 ( $P < 0.05$ )

	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

## 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](http://www.was.org)





# World Aquaculture India 2025

November 10-13, 2025

Register online at: [www.was.org](http://www.was.org)

Return address for payments in USD:  
Conference Manager  
P.O. Box 2302  
Valley Center, CA 92082 USA  
Email: [worldaqua@was.org](mailto:worldaqua@was.org)

Online registration is preferred at [www.was.org](http://www.was.org) OR fax or mail both sides with payment. Use one form per person.

PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION

**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 \_\_\_\_\_

Postal Address \_\_\_\_\_  
(*please* include 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)

**REGISTRATION FEES:** The below registration fees are for Indian Nationals only. Please bring identification when picking up the badges onsite.

In order to receive the discount rates as mention below, you need to register online on the [www.was.org](http://www.was.org) website.

Fill in your details. You can pay by Credit card or later. - Please make sure you enter the correct email address.- See brochure for what is included in the registration fees.

TYPE OF REGISTRATION	Register by October 1, 2025	Register after October 1, 2025	* 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.
<b>FULL CONFERENCE &amp; TRADE SHOW</b> In order to receive the Pre-Registration discount rate, this form and payment must be received by the date above			
<b>WAS MEMBER RATE</b>			
FULL CONFERENCE	<input type="checkbox"/> 14000 INR / (160 USD)	<input type="checkbox"/> 22500 INR / (260 USD)	
FULL CONVERENCE STUDENT Include copy of Student I.D.	<input type="checkbox"/> 9000 INR / (100 USD)	<input type="checkbox"/> 10500 INR / (120 USD)	
<b>NON-MEMBER RATE</b>			
FULL CONFERENCE	<input type="checkbox"/> 17000 INR / (195 USD)	<input type="checkbox"/> 25500 INR / (295 USD)	
FULL CONFERENCE STUDENT Include copy of Student I.D. <i>You can join WAS on the reverse side and use the Member Rate.</i>	<input type="checkbox"/> 12000 INR / (130 USD)	<input type="checkbox"/> 13000 INR / (150 USD)	
<b>TRADE SHOW PASS</b> (Trade show pass is included with the Full Conference Registration) Good for 3 days admission to exhibits only - November 11-13, 2025 <input type="checkbox"/> 4500 INR / (50 USD)			<b>TOTAL TRADE SHOW PASS</b> US\$ _____
<b>WORKSHOPS &amp; TOURS</b> - TBA			<b>TOTAL</b> US\$ _____
<b>MEMBERSHIP DUES</b> - Enter amount from Membership Application on other side if applicable.			<b>TOTAL MEMBERSHIP DUES</b> US\$ _____
Do not mail registration after October 1, 2025 or fax after October 1, 2025. After October 1, 2025, bring this form with you to register at the show.			<b>➔ TOTAL AMOUNT US\$</b> _____

**Registration Confirmation and Receipt will be emailed after processing.**

**CANCELLATION POLICY:** Cancellation of registration must be received - in writing - no later than October 1, 2025. 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 1, 2025 or for "no shows". After October 1, 2025, 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 World Aquaculture India 2025.

For bank transfer details, contact us.

☐ Check # \_\_\_\_\_ ☐ Visa ☐ Mastercard ☐ American Express ☐ Discover ☐ Diners Club

Card # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name on Card \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_

Credit Card Billing Address \_\_\_\_\_

# 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

## AFFILIATE

**MEMBERSHIPS:** ☐ China Society of Fisheries  
☐ European Aquaculture Society  
☐ Global Aquaculture Alliance

## MEMBERSHIP APPLICATIONS

☐ NEW APPLICATION ☐ RENEWAL

### WORLD AQUACULTURE SOCIETY (WAS) APPLICATION [www.was.org](http://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](mailto: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

#### 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*

**\*\*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.**

*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 AND TRAVEL

Some incredibly special tours will be arranged. Details to be provided later – check our website for updates.

## HOTELS

We have arranged a wide range of quality accommodation at special rates.  
Please check the website for hotel details.

### TRADE SHOW SCHEDULE

**NOV 11**  
10:00 - 18:30

**NOV 12**  
10:00 - 18:30

**NOV 13**  
10:00 - 16:30





## TENTATIVE SCHEDULE

### Monday, November 10

Registration Open & Exhibit Set-up	12.00 - 18.30
Exhibitor Move-in	12.00 - 18.30
Poster Set-up	12.00 - 18.30

### Tuesday, November 11

Registration Open	07.30 - 17.00
Welcome words	09.00 - 09.20
Opening ceremony	09.20 - 09.50
Plenary session	09.20 - 10.50
Opening exhibition	10.50
Exhibitor Move-in	08.00 - 10.00
Poster Set-up	08.00 - 10.00
Refreshment Break	10.50 - 11.20
Trade Show & Posters Open	10.00 - 18.30
Sessions	11.20 - 13.00
Lunch (Provided)	13.00 - 14.20
Sessions	14.20 - 16.00
Refreshment Break	16.00 - 16.20
Sessions	16.20 - 18.00

### Wednesday, November 12

Registration Open	08.00 - 17.00
Sessions	09.00 - 11.00
Refreshment Break	11.00 - 11.20
Trade Show & Posters Open	10.00 - 18.30
Sessions	11.20 - 13.00
Lunch (Provided)	13.00 - 14.20
Sessions	14.20 - 16.00
Refreshment Break	16.00 - 16.20
Sessions	16.20 - 18.00
Student Forum	16.20 - 18.00
WAS-APC Members meeting	18.00 - 18.40

### Thursday, November 13

Registration Open	08.00 - 15.00
Sessions	09.00 - 11.00
Refreshment Break	11.00 - 11.20
Trade Show & Posters Open	10.00 - 16.30
Sessions	11.20 - 13.00
Lunch (Provided)	13.00 - 14.20
Sessions	14.20 - 16.00
Refreshment Break	16.00 - 16.20
Sessions	16.20 - 18.00