



Aquaculture on the Rise!

WORLD AQUACULTURE SAFARI 2025

June 24-27, 2025

Speke Resort, Munyonyo, UGANDA

International Conference and Exposition of
World Aquaculture Society and African Chapter, WAS
Conference Includes AFRAQ 2025

**WORLD
AQUACULTURE
Society**



REPUBLIC OF UGANDA

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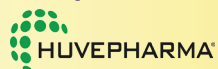


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World Aquaculture Safari 2025 has been made possible through support from the EU-funded TRUEFISH Project, being implemented by the Lake Victoria Fisheries Organisation (LVFO).



WORLD AQUACULTURE VISITS UGANDA FOR THE FIRST TIME

WORLD AQUACULTURE SAFARI 2025: Biggest Aquaculture Meeting in Africa will be held at Speke Resort Munyonyo, Uganda (near Entebbe) with involvement from countries throughout Africa and the world..

East Africa is the fastest growth node for aquaculture on the African continent. This is predominantly as a result of the farming of tilapia, but several other species contribute to the sector. East Africa is also a world leading region in the farming of seaweed, with exciting developments around several other marine species such as sea cucumber and more. The EU-funded TRUEFISH Project, which seeks the advancement of aquaculture in the Lake Victoria Basin is a major sponsor of the meeting.

Through Egypt (2022), Zambia (2023) and Tunisia (2024), the African Regional Aquaculture (AFRAQ) Conferences have shown steady growth. It is however important to emphasize that Aquaculture Safari 2025 is a World Aquaculture Conference, incorporating both the continental event and the showcase global event. Undoubtedly, it will address key African topics such as tilapia and catfish production, but the conference will cater to a global audience covering a diverse range of technical topics. This will be delivered through side-meetings, discussions, workshops and more. Commitments of participation have been received from developmental partners, the likes of the FAO, the World Bank, the African Development Bank, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), the African Union and others. The trade show and exhibition promises to assemble the largest selection of aquaculture goods and service providers under one roof, in Africa, to date.

**Stay in touch with the program developments for
WORLD AQUACULTURE SAFARI 2025 through our Web Page at: www.was.org**

DESTINATION: UGANDA

Uganda is located in Eastern Central Africa and borders on Lake Victoria, the second largest freshwater lake in the World. Uganda has a large number of natural wonders, including Africa's tallest mountain range which is the source of the Nile.

Lake Victoria is surrounded by Uganda, Kenya and Tanzania – all of which have significant aquaculture activities. Those countries will be represented at World Aquaculture Safari 2025 as well as all of the rest of the African counties that have aquaculture activities or future interest.

For international visitors the tourism opportunities before and after the conference are limitless. These include trekking for gorillas and chimpanzees (get your permits early!), visiting some of Africa's famous Big Five game reserves in Uganda, Kenya and Tanzania, visiting or rafting the Nile River, witnessing the majestic Murchison Falls, seeing Mount Kilimanjaro or experiencing the tropical seas of Zanzibar.

SPECIAL PROGRAMS

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

Make sure you are part
of the biggest aquaculture
gathering in Africa!



www.was.org/meeting



WORLD
AQUACULTURE
Society



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Food and Agriculture
Organization of the
United Nations



TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at AQUACULTURE SAFARI 25 will cover all aspects of global aquaculture. We propose the following topics and species groups. We invite you to submit abstracts to the session topics. If you do not find a specific topic, you may submit your abstract to one of the species sessions.

Session topics

Alternative ingredients & raw material processing
Animal welfare and ethics
Antimicrobials in aquafeeds, prebiotics and probiotics
Aquaculture in food systems and food security
Aquaculture engineering, automation, artificial intelligence
Aquafeeds
Aquaponics
Aquatic animal health
Arid Land Aquaculture
Bioactives and functional foods
Biofloc systems / Symbiotics
Biosecurity, disease prevention
Biotechnology
Blue economy
Cage-culture technologies
Capacity building
Circular approach (use of waste, fish manure, by-products & reuse of materials)
Climate change impacts, mitigation, adaptation
Conservation & restoration
Country reports
Development, Welfare and Poverty Alleviation
Mobile technologies for small scale aquaculture
Epidemiology, Quarantine measures
Credit for small scale farmers
Disease Diagnosis & Management
Diseases - bacterial & viral
Diseases - Non-infectious, multifactorial & anthropogenic
Drugs and therapeutics, drug resistance
Economics, trade and value chain development
Ecosystems approach to aquaculture
Education, extension, and technology transfer
Energy reduction & green transition
Environmental issues and management
Escapes (genetic, behavioural, ecological, disease, etc.)
Feed additives & health promoters
Finance and Investment
Food safety
Food security
Fungal diseases
Francophone country contributions
Gender in aquaculture
Genetics of emerging species
Genomics and Bioinformatics

Governance, policy, and regulations
Hatchery technologies
Human nutrition and aquaculture
Immunology and pathology
Import/export certification
Inclusive and sustainable development through aquaculture
Integrated multi-trophic aquaculture (IMTA)
Interaction with community and society
Investment and financing
Larval culture and management
Live feeds & larval feeds
Lake Victoria special session
Managing Feed Intake (technologies, strategies, use of AI)
Markets and consumer awareness
Marketing
Microbiome & health management
Morphology, Histology, and Embryology
Non-native and GMO species in aquaculture
Nutritional requirements
Off flavours mitigation
Offshore, exposed & multi-use aquaculture
Ornamental fish
Parasitic diseases and management
Physiology
Policy
Portuguese language session
Pond aquaculture
Post Harvest processing
Prebiotics, Probiotics, immune stimulants
Precision farming: AI, modelling, automation, sensors
Production environmental management
Raceway systems/flow through systems
Recirculation systems
Reproduction and broodstock management
Resource-use optimization, incl. water and energy
Rural Livelihoods
Selective breeding
Small scale and non-commercial aquaculture
Social responsibility and labour welfare
Solar technology
Sustainability indicators

Stock enhancement with cultured seed
Traceability
Urban aquaculture
Vaccines
Value chain development
Value addition
Veterinary services
Water quality management
Welfare bioindicators and guidelines
Women in aquaculture

SPECIES

Freshwater fish: Tilapia, catfish, trout, salmon, other
Bivalves: Oyster, Mussels, other
Crustaceans: Crayfish, Freshwater prawns, Marine shrimp
Seaweed and Micro-algae
Ornamentals (incl. plants)
Amphibians and reptiles
Plankton
Low trophic species: Sea cucumber, sea urchins, polychaetes, abalone
Marine fish
Brackish water species, shrimp, other

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 Happy Hour
- Lunch
- 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:

www.was.org

or contact worldaqua@was.org

Exhibition & sponsors: worldaqua11@was.org

REGISTER EARLY AND \$AVE!

CALL FOR PAPERS – DEADLINE: 7 June 2025

WORLD AQUACULTURE SAFARI 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 Safari 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 8.5 x 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@csr.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, 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 and no 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 added; however, lecithin and cholesterol are very expensive. Since diet costs can be as much as 25% of the total expenses for an aquaculture enterprise, it is imperative that the least expensive diet be formulated 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 (mean weight of 0.2 g) red claw, each stocked in a 100 L plastic mesh culture units. Individual units were placed within fiberglass tanks, each containing a vertical water line. Water was recirculated through biological and mechanical filters. Water temperature was maintained at 27-29°C and light was on a 12 hour light:dark cycle. Ammonia, nitrite, nitrate, pH, oxygen, temperature, alkalinity, chlorophyll *a* 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)

1 inch margin (2.54 cm)

1 inch margin (2.54 cm)

11 inches long (27.94 cm)

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



World Aquaculture Safari 2025

June 24-27, 2025

Register online at: www.was.org

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

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

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: In order to receive the discount rates as listed below, this form and payment must be received by the date listed. For Asia-Pacific country special discount rate, you must reside or live in the list of countries that qualify for this event*. See brochure for what is included in registration fees.

TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW	Register by 1 June 2025	Register after 1 June 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. TOTAL REGISTRATION FEE US\$ _____	
In order to receive the Pre-Registration discount rate, this form and payment must be received by the date above				
AFRICAN NATIONALS MEMBER RATE STUDENT MEMBER RATE Include copy of Student I.D.	<input type="checkbox"/> US\$ 325 <input type="checkbox"/> US\$ 165	<input type="checkbox"/> US\$ 490 <input type="checkbox"/> US\$ 195		
Non-Member Rate Student Non-Member Rate Include copy of Student I.D. <i>You can join WAS on the reverse side and use the Member</i>	<input type="checkbox"/> US\$ 425 <input type="checkbox"/> US\$ 215	<input type="checkbox"/> US\$ 590 <input type="checkbox"/> US\$ 255		
NON-AFRICAN NATIONALS Member Rate Student Member Rate Include copy of Student I.D. Non-Member Rate Student Non-Member Rate Include copy of Student I.D. <i>You can join WAS on the reverse side and use the Member Rate.</i>	<input type="checkbox"/> US\$ 495 <input type="checkbox"/> US\$ 220 <input type="checkbox"/> US\$ 590 <input type="checkbox"/> US\$ 260	<input type="checkbox"/> US\$ 595 <input type="checkbox"/> US\$ 280 <input type="checkbox"/> US\$ 690 <input type="checkbox"/> US\$ 295		
TRADE SHOW PASS (Trade show pass is included with the Full Conference Registration) Good for 3 days admission to exhibits only - June 24-27 <input type="checkbox"/> US\$ 50			TOTAL TRADE SHOW PASS US\$ _____	
WORKSHOPS & TOURS - TBA			TOTAL US\$ _____	
MEMBERSHIP DUES - Enter amount from Membership Application on other side if applicable.			TOTAL MEMBERSHIP DUES US\$ _____	
Do not mail registration after June 13, 2025 or fax after June 13, 2025. After June 13, 2025, 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 June 13, 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 June 13, 2025 or for "no shows". After June 13, 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 2025 China.

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: ☐ European Aquaculture Society
☐ Global Aquaculture Alliance

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 45/yr) Applies to an individual from Africa
- ☐ **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/Carribean**
- ☐ **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 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.

Speke Resort Munyonyo, Entebbe, Uganda

Single Room US\$ 192: Double Room US\$ 204

For reservations at the best rate use this link <https://spekeresort.com/aquaculture/>

Other Hotels: https://was.org/meeting/pdf/AFRAQ25_HotelDetails.pdf

Travel Agent/Consultant

Regina

Plot 23 Yusuf Lule Road, Po Box 24757, Kampala, UGANDA

www.travelog.co.ug

+256 782 532316 or +256 755 838470

Airport transfers for Speke Resort

Speke Resort has an airport pick up / drop-off service from Entebbe Airport to the Resort. This service is \$53.00 one way and can carry up to 3 persons. Service to return to the airport is the same price. Airport transfers can be booked by email through reservations@spekeresort.com. Send your name, contact info and your flight arrival or departure details.

Visas and other entry requirements

Attendees will be responsible for their own travel arrangements and expenses. Participants requiring visas must APPLY FOR THE VISA ONLINE VIA THE OFFICIAL Uganda E-Visa website: <https://visas.immigration.go.ug>. YELLOW FEVER VACCINATION CERTIFICATE IS REQUIRED FOR THOSE FROM YELLOW FEVER ENDEMIC COUNTRIES. To learn more about Uganda, entry requirements and other travel tips, visit: <https://exploreuganda.com/>



TRADE SHOW SCHEDULE

JUNE 25
10:00 - 18:00

JUNE 26
10:00 - 18:00

JUNE 27
10:00 - 16:00

Conference Management
worldaqua@was.org
www.was.org

Exhibits & Sponsors
Noah Cooksey
worldaqua11@was.org

Conference Organizer
Etienne Hinrichsen
Etienne_Hinrichsen@landell-mills.com

WAS -African Chapter
Blessing Mapfumo
africanchapter@was.org

SCHEDULE

Tuesday June 24

Reg Open and Exhibit Set-up 1200 - 1800

Wednesday, June 25

Registration Open 0730 - 1700
Sessions 0900 - 1000
Trade Show 1000 - 1850
Break 1000 - 1100
Official Opening Exhibition 1030
Official Opening & Plenary 1100 - 1240
Lunch 1240 - 1420
Sessions 1420 - 1540
Break 1540 - 1610
Sessions 1610 - 1750
Happy Hour 1750 - 1850

Thursday, June 26

Registration Open 0730 - 1700
Sessions 0900 - 1040
Break 1040 - 1110
Trade Show 1000 - 1850
Sessions 1110 - 1250
Lunch 1250 - 1420
Sessions 1420 - 1540
Break 1540 - 1610
Sessions 1610 - 1750
Happy Hour 1750 - 1850
WAS AC Business Meeting 1850 - 2000

Friday, June 27

Registration Open 0800 - 1500
Sessions 0900 - 1040
Break 1040 - 1110
Trade Show 1000 - 1600
Sessions 1110 - 1250
Lunch 1250 - 1420
Sessions 1420 - 1750
Exhibit Move-out 1600 - 1900

STEERING COMMITTEE MEMBERS

Name	Designation / Organisation	COUNTRY
Dr John Walakira	WAS African Chapter – Conference Chair	UGANDA
Dr Antonio Garza	International Co-Chair	OMAN
Dr Kevan Main	International Co-Chair	USA
Dr Victoria Tarus	WAS African Chapter (Eastern Africa)	KENYA
Dr Bernice Mclean	AUDA-NEPAD Representative	SOUTH AFRICA
Dr Nelly Isyagi	AU-IBAR Representative	KENYA
Mr Geoffrey Rucho	East African Regional Aquaculture Association	TANZANIA
Prof Peter Britz	Program Manager (Rhodes University)	SOUTH AFRICA
Dr Judith Makombu	Programme Chair – French (University of Buea)	CAMEROON
Dr Charles Masembe	Programme Chair – Makerere University	UGANDA
Mr Joseph Bwanika	Uganda Government / MAAIF	UGANDA
Mr Andrew Alio	Uganda Government / MAAIF	UGANDA
Ms Connie Acayo	Uganda Government / MAAIF	UGANDA
Mr Etienne Hinrichsen	LVFO/TRUEFISH Landell Mills (Chief Organiser)	UGANDA
Dr Elysee Nzohabonayo	Lake Victoria Fisheries Organisation (LVFO)	UGANDA
Mr John Cooksey	WAS - Ex Officio. Internation Chair of SC	USA
Mr Noah Cooksey	WAS - Ex Officio. Exhibits Manager	USA
Mr Blessing Mapfumo	WAS - Ex Officio (African Chapter Secretariat)	SOUTH AFRICA

