





"Supporting Strength in Aquaculture"

The Annual International Conference & Exposition of **World Aquaculture Society**

Asian Pacific Aquaculture 2023, **Annual meeting of Asian Pacific Chapter, WAS**

> DARWIN CONVENTION CENTRE Darwin, Northern Territory, Australia





Organisers









Northern Territory Government Department of Industry, **Tourism and Trade**























Invitation

Darwin is proud to be hosting World Aquaculture for Australia for the first time since 2014.

This annual event will incorporate the Australiasian Aquaculture industry and will see several thousand attendess from around the world converge on the city of Darwin

Contributions to developing new and existing ideas to stimulate this vital industry are welcome. With almost half of the world's consumption of seafood coming from farms, aquaculture is playing an increasingly important role in meeting the challenge of global food security.

World Aquaculture 2023 (WA2023) will be an opportunity for the international aquaculture community - academics, industry researchers, market and industry analysts, government officials, policy makers and industry representatives to present their work and exchange ideas and develop a vision for the future of the aquaculture industry as we focus on the theme of "Supporting Strength in Aquaculture"



An event not to be missed - WA2023 will offer a chance to gauge the sector's progress, whilst

we discuss and debate the issues, ideas, mechanisms and hands-on practical approaches towards building a better industry. In addition there will be ample opportunity to network during both structured and free-flowing events.

On behalf of the WA2023 Steering Committee, we look forward to seeing you in Darwin.

Jennifer Cobcroft Chair - World Aquaculture 2023

World Aquaculture 2023 in the Northern Territory

World Aquaculture 2023 will be held in Darwin, NT Australia with involvement from countries throughout the Asian-Pacific region and around the world. Darwin is the ideal location for WA2023, in close proximity to the expanding Australian industry, and to around 89 percent of the world's aquaculture from major production regions in Asia. Therefore 2023 is the perfect time for the world aquaculture community to focus on Australia. A major international trade show at World Aquaculture 2023 is the place to learn about the latest aquaculture technologies presented by exhibitors around the world.







Destination

With an abundance of beautiful wide-open space, it's the ideal destination for independent travel and a socially-safe distant holiday experience. From art and culture, nature and wildlife, outdoor adventure to stunning national parks, there's something for every type of traveler here.

Explore what your next holiday adventure could be. Get off the beaten track and discover the diverse landscapes of the Northern Territory - on four wheels or two, on the water or in the air. View rare species of flora, native wildlife and birds around the many established walking trails, swimming holes and camping areas in the Northern Territory.

See the bigger picture on the Territory Art Trails. The Territory is a living, growing exhibition 65,000 years in the making. It's a 1.3 million square kilometer canvas where art comes to life.

Click on link below to get more details on the wide range of activities available in the Northern Territory. https://northernterritory.com

Program

An extensive Conference Program featuring special sessions, contributed papers and workshops on all species and issues facing aquaculturists around the world. Sample topics will include:

- Algae
- Aquaculture: Create, Nurture, Grow AquaEd Workshop 2023 incorporating Education, Extension and Technology Transfer Aquaponics
- Aquaponics
- Asian Aquaculture
- Banking, Finance and Insurance
- Biosecurity
- Crustacean Nutrition, Health & Disease, Genetics, Husbandry & Environment
- Ecology & Environment Climate Changes, Sustainable Aquaculture, Standards & Certification
- Economics & Social Sciences Marketing & Promotion, Trade, Policy & Regulations
- Farmer's Day
- Finfish Nutrition, Health & Disease, Genetics, Husbandry & Environment
- General Aquaculture
- Hatchery Technology
- Integrated Aquaculture / IMTA
- Logistics
- Markets & Marketing
- Mollusc Nutrition, Health & Disease, Genetics, Husbandry & Environment
- Open Ocean Aquaculture
- Ornamentals, Novel & Emerging Species
- Processing and Post Harvest Technologies

- Production Systems
- Pacific dd& Indigenous Aquaculture
- Recirculating Aquaculture Engineering
- Stock Enhancement
- Seafood & Health
- SBT Covering all aspects of this prominent SA species
- Women in Aquaculture

SPECIAL SESSIONS

(To Date-check the website for updated lists)

- Climate Change Ready management strategies for the future
- Oceanography and Aquaculture
- Amoebic Gill Disease (AGD): international research status
- Early Mortality Syndrome (EMS) of Shrimp/Prawns
- Pacific Oyster Mortality Syndrome (POMS)
- Technical Advances for Finfish Cage Culture
- Harmful Algal Blooms
- Improving Energy Efficiency in Aquaculture Operations
- Branding & Marketing What works for me?
- Social License to Operate
- Post-harvest Product Quality
- Emerging Industries: New and Upcoming Species and Farming Techniques
- Communication Media and Social Media

CALL FOR PAPERS - SUBMIT YOUR PAPERS NOW! DEADLINE: March 15, 2023

WA2023 represents an excellent opportunity via its extensive technical program to showcase the latest developments in the aquaculture world. The WA2023 Committee encourages the submission of high quality oral and poster presentations in line with the theme of "Supporting Strength in Aquaculture."

We strongly encourage authors to consider poster presentations as the poster session 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. Oral presentations should use PowerPoint. Overhead projectors and video players will not be available or allowed.

All presenters are required to pay their own registration, accommodation and travel expenses. WA2023 will not 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

Extended 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. 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 210mm x 297mm A4 paper (portrait)
- 6. MARGINS: 2.5 cm 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 in black print only. The reduced figures and tables should be included in the abstract in camera-ready form.
- 11. MEASUREMENTS: Use metric units of measurement. When needed, English equivalents may be given in parentheses.

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PLEASE SUBMIT YOUR ABSTRACT ONLINE

Submit abstracts via the internet at the meeting website: www.was.org Follow the complete instructions on the online submission.

If you are unable to submit your abstract online, contact the Conference Manager for alternative methods at : worldaqua@was.org or Fax: +1-760-751-5003



World Aquaculture 2023

May 29 - June 1, 2023

Register online at: www.was.org

Return address for international payments in USD: 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

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		
NAME BADGE INFORMATION: (As you want your name	ne badge to read - No titles,	, please)		
First Name	SURNA	AME (FAMILY NAME)		
Company / Institution				
(Limited to 40 Letters &	Spaces)			
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REGISTRATION FEES: In order to receive the discoun	nt rates as listed below, this	form and payment must be	received by the date listed.	
TYPE OF REGISTRATION Check the appropriate boxes	Register by April 4, 2023	Register by May 1, 2023	Register after May 1, 2023	* To qualify for Member Rate you must complete the
MEMBER RATE*	US\$ 495	US\$ 595	US\$ 695	Association Memberships section on the reverse side.
STUDENT MEMBER RATE* Include copy of Student I.D.	US\$ 260	US\$ 260	US\$ 325	
Non-Member Rate	US\$ 590	US\$ 690	US\$ 790	•••••
Student Non-Member Rate Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.	US\$ 330	US\$ 330	US\$ 390	Trade Show is included in the
				Full Conference Registration Rate.
Spouse Rate	US\$ 395	US\$ 495	US\$ 595	TOTAL REGISTRATION FEE
Asia-Pacific Country* Member Rate		US\$ 250	US\$ 290	TOTAL REGISTRATION FEE
Asia-Pacific Country* Student Member Rate Include co	opy of Student I.D.	US\$ 140	US\$ 180	US\$
Asia-Pacific Country* Non-Member Rate (Includes Mem		US\$ 300	US\$ 360	
Asia-Pacific Country* Student Non-Member Rate (Inc	cludes Membership)	US\$ 170	US\$ 210	
(Note* only the Listed Asia-Pacific countries that quiregistration for Non-Member rate will be included in				
TRADE SHOW PASS	W to Weinberginp)	(Trade sh	 now pass is included with the Fu	 III Conference Registration
Good for 3 days admission to exhibits only – June 29, June 30, Mag	y1	US\$ 50	TOTAL TRADE SHOW PASS	US\$
INDUSTRY TOURS See website for current tour info	rmation			
MEMBERSHIP DUES - Enter amount from Membersh	hip Application on other side if	applicable.	TOTAL MEMBERSHIP DUES	US\$
Do not mail registration after May 1, 2023 After those dates, bring this form with yo	•		TOTAL AMOUNT US	\$
Registration Confirm	nation and Re	ceipt will be e	mailed after proc	essing.
ANCELLATION POLICY: Cancellation of registration must be recei processed after the conference. No refund will be made for canc mergencies, flight cancellations, denied visa, weather related ca	ellations received after May 1, 2	2023 or for "no shows". After M	ay 1, 2023, no refunds will be made fo	_
PAYMENT METHOD: All fees must be paid to t	he order of WORLD AQUAC	CULTURE 2023.		
Check#	Visa Mastercar	d American Exp	press	
Card #		Expiration Date		
Name on Card		Signature		Date

REGISTRATION FORM - SIDE 2

ASSOCIATION MEMBERSHIPS: Please check all boxes for associations for which you are a <u>current</u> 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 D	Korean LACC African Chapter			
AFFILIATE MEMBERSHIPS:				
☐ Aquabio	☐ IAFI International Association of Fish Inspectors			
☐ Aquaculture Association of Canada	☐ Indonesian Aquaculture Society			
☐ Aquaculture Association of South Africa	☐ Korean Aquaculture Society			
☐ Aquaculture Without Frontiers	☐ Korean Society of Fisheris and Sciences (KOSFAS)			
☐ Asian Fisheries Society	☐ Malaysian Fisheries Society			
☐ China Society of Fisheries	☐ Sociedad Brasileira de Acuicultura			
☐ Egyptian Aquaculture Society	Society of Aquaculture Professionals (India)			
☐ European Aquaculture Society	☐ South African Aquaculture Society			
☐ Global Aquaculture Alliance	☐ Spanish Aquaculture Association (SEA)			
WORLD AQUACULTURE SOC				
	erships and options, please contact the WAS home office at +1-225-578-3493 Email: judya@was.org			
MEMBERSHIP CATEGORY: (Indicate only one)	CHAPTER OPTIONS:			
☐ Individual (Electronic JWAS) (USD 65/yr) Applies to an individual only	One chapter included in membership.			
☐ Individual (Printed JWAS) (USD 110/yr) Applies to an individual only	Mark the chapter you choose.			
☐ Individual (E Access) (USD 45/yr) Applies to an individual only	☐ Africa			
Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Pr	rofessor required)			
□ Student (Printed JWAS) (USD 90/yr) (Copy of Student ID or Signature of Profe	essor required)			
□ Sustaining (Electronic JWAS) (USD 105/yr) Applies to any one individual from	□ Latin American/Caribbean n a company			
□ Sustaining (Printed JWAS) (USD 150/yr) Applies to any one individual from a	United States (USAS)			
☐ Corporate (Electronic JWAS) (USD 255/yr) Allows all employees of one comp	oany to attend meeting at Member Rate			
☐ Corporate (Printed JWAS) (USD 300/yr) Allows all employees of one compan	You can add extra Chanters for USD 5			
☐ Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an ind	lividual only			
	Total Amount for WAS Membership USD			
Fees for memberships are non-refundable.	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).

Travel

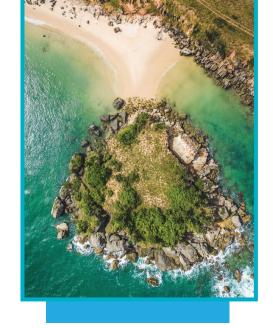
TRAVEL

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.





Registration



OUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all conference sessions and the trade show
- Admission to the receptions
- Conference Bag and Show Directory
- Refreshment Breaks and Happy Hour
- Abstract Book on USB
- 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.

Trade Show Schedule

Tuesday, May 30 10:00 - 18:00 Wednesday, May 31 10:00 - 18:00 Thursday, June 1 10:30 - 16:00

For More Information

World Aquaculture 2023

Conferencee Manager
P.O. Box 2302 | Valley Center, CA 93082 USA

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

Email: worldaqua@was.org

www.was.org

REGISTER EARLY AND SAVE!

TENTATIVE SCHEDULE

Monday, May 29

Registration Open & Exhibit Set-up	1000 - 1700
Opening Ceremony	1600 - 1700
Welcome Drink	1700 - 1900

Tuesday, May 30

Registration Open	0730 - 1700
Welcome words and awards	
Plenary Session	0920 - 1040
Exhibition officially opening	
Break	.1040 - 1120
Trade Show Open	.1000 - 1800
Sessions	.1120 - 1300
Lunch (provided in Convention Centre at your cost)	. 1300 - 1420
Sessions	.1420 - 1720
Happy Hour & Posters	.1720 - 1800
Student Reception	1900 - 2100

Wednesday, May 31

Registration Open	0800 - 1700
Sessions	0900 - 1040
Break	1040 - 1100
Trade Show Open	1000 - 1800
Sessions	1100 - 1300
Lunch (provided in Convention Centre at your cost)	1300 - 1420
Sessions	1420 - 1720
Happy Hour & Posters	1720 - 1800
President's Reception	1900 - 2200

Thursday, June 1

Registration Open	0800 - 1600
Sessions	0900 - 1040
Break	1040 - 1100
Trade Show Open	1030 - 1600
Sessions	1100 - 1300
Lunch (provided in Convention Centre at your cost) 1	1300 - 1420
Sessions	1420 - 1720
Farewell Drink	1720 - 1800
Exhibit Move-out	1600 - 1900

