World Aquaculture Singapore 2022 **NEXT GENERATION AQUACULTURE INNOVATION AND SUSTAINABILITY WILL FEED THE WORLD**

Nov. 29 - Dec. 2, 2022

Singapore EXPO Convention & Exhibition Centre and MAX Atria

The Annual International Conference & Exposition of World Aquaculture Society

Asian Pacific Aquaculture 2022 - Annual Meeting of Asian Pacific Chapter, WAS

Hosted by Singapore Food Agency

Conference Sponsors Temasek Polytechnic, Nanyang Technological University National University of Singapore, James Cook University **Republic Polytechnic 3rd International Symposium on Perch and Bass**

MSD

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Animal Health SOY



GRAND

WAS Premier Sponsors

USSEC



WASAPC









Associate Sponsors Aquaculture Engineering Society International Association of Aquaculture Economics & Management WorldFish

Join WA Singapore 2022 now! with Special Rate **Discounts offer for** Asia-Pacific Countries *

(*Only for the list of Asia-Pacific countries that qualify: Indonesia, Laos, Malaysia, Myanmar, Singapore, Thailand, Vietnam, India, and PR China)







WORLD AQUACULTURE SINGAPORE 2022 will be held in Singapore with involvement from countries throughout the Asian-Pacific region and around the world. Aquaculture is rapidly growing in the Asian-Pacific region and increasingly being integrated into the Singapore food systems; therefore 2022 is the perfect time for the world aquaculture community to focus on Singapore.

A major international trade show at WORLD AQUACULTURE SINGAPORE 2022 is the place to learn about the latest aquaculture technologies presented by exhibitors from around the world.

Stay in touch with the program developments for WORLD AQUACULTURE SINGAPORE 2022 through our Web Page at: www.was.org

FANTASTIC TOURIST OPPORTUNITIES

Singapore is among the world's top cities for tourism. A gateway to Asia and beyond, Singapore is a cosmopolitan city and a melting pot of different cultures. Singapore is home to a vibrant arts and entertainment scene, lively dining and drinking spots, various must-see attractions and the famed shopping district, Orchard Road. Singapore is also well known as a Garden City with world-class attractions and skyscrapers set amidst lush greenery. The 150-year-old Singapore Botanic Gardens – Singapore's first UNESCO World Heritage Site - is located a mere five minutes away from the shopping district.

SPECIAL PRODUCER PROGRAM

World Aquaculture Singapore 2022 will have many special Producer Sessions to address Producer's concerns from around the Asia-Pacific region.



Sessions and workshops at World Aquaculture Singapore 2022 will cover all aspects of aquaculture in the Asia-Pacific region as well as the rest of the world. Sample topics will include:

Abalone Algea and macrophytes Amphibian and Reptile Aquaculture Animal health and Welfare Aquaponics and Integrated Aquaculture-Agriculture Systems Aquatic veterinary health capacity Arid land Aquaculture Barramundi, Seabass & Seabream **Bio-floc Systems** Biosecurity Biotechnology Breeding & Genetics Cage-culture Carpet Shells Carps Catfish Certification and legislation Clams (including Giant Clams) Climate change, adaptation, resilience Cobia Coldwater Species - General Country Specific Sessions (eg 2008 Norway) Crabs & Lobsters Crayfish & Freshwater Prawn Development, Welfare and Poverty Alleviation (AwF) Diseases **Drugs and Chemotherapeutics** Economics & Management Ecosystems approach Education, Extension, Technology Transfer & Workforce Development (AquaEd) Eels Embryology **Emerging Issues Emerging Species** Enhancement, Stocking & Ranching Environment and Biodiversity and Climate Change

Energy-alternative sources and conservation Engineering Financing and investment Finfish Broodstock Maturation Fish Health Fish Meal and Oil (IFFO) Flatfish Food Safety, Inspections and Audits Food security Freshwater Species - General General Aquaculture Grouper & Snapper Hatchery & Larvae Management Hatchery and Nursery Immunology Information Technology in Aquaculture Innovation and High Techs Integrated Multi-trophic Aquaculture Inverstment in Aquaculture Korean Aquaculture Session Marketing & Trade Milkfish Mollusc Broodstock and Hatchery Mollusc Cultivation Mullets Mussels Nutrition & Feed Ocean acidication Octopus and Cuttlefish **Offshore Aquaculture** Omics tools for Aquaculture **Organic Aquaculture** Ornamentals Other Marine Fish Ovster Pacific & Indigenous Aquaculture Pangasius, Clarias & Ictalurus Pearl and Queen Conch Culture 3rd International Symposium on Perch and Bass Physiology, Morphology & Histology

Plankton Culture Policy & Regulations Polyculture Pond Culture Prebiotics and Probiotics Processing Technology **Product Quality** Production systems **Raceway Systems Recirculating Systems** Reservoir based and Lake Aquaculture Salmonids Scallops Sea cucumbers Sea urchins Seafood & Health (GILLS) Seaweeds and Algae Shrimp Farm Design and Management Shrimp Feeding and Nutrition Shrimp Genetics, Broodstock and Hatchery Management Shrimp pathology and biosecurity Snappers Socioeconomics Spatial Planning, Regulation and Zoning Standards & Certification Sturgeons Sustainable Development of Aquaculture Tilapia Trade Trouts Tuna Urban aquaculture Value Chain Development Warm water Species - General Wastage Utilisation Water Quality and Usage Women in Aquaculture Yellowtails, Amberjacks, etc Zebrafish

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: World Aquaculture Singapore 2022 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

REGISTER EARLY AND \$AVE!

CALL FOR PAPERS – DEADLINE: September 1, 2022

WORLD AQUACULTURE SINGAPORE 2022 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 SINGAPORE 2022 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 <u>presenting</u> <u>author's</u> 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.



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inches long (27.94 cm

8.5 inches wide (21.6 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

If you are unable to submit your abstract online, contact the Conference Manager for alternative methods at:

worldaqua@was.org



World Aquaculture Singapore 2022 November 29 - December 2, 2022

Register online at: www.was.org

Return address for payments in USD: Conference Manager P.O. Box 2302 Valley Center, CA 92082 USA Tel: +1760 751 5005 Fax: +1760 751 5003 Email: worldagua@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/F	Prov	Country	
MAILING INFORMATION: Email				
Postal Address	l <u>ease</u> include email address)			
City	State / Prov	Postal Code	Countr	у
Phone	Fax		Title: (circle one)	Dr. Mr. Ms. Mrs.
(Include country and city code)		country and city code)		
REGISTRATION FEES: In order to receive t discount rate, you must reside or live in the				
TYPE OF REGISTRATION FULL CONFERENCE & TRADE S	HOW	Register by Nov. 1, 2022	Register after Nov. 1, 2022	* To qualify for Member Rate you <u>must</u> complete the
In order to receive the Pre-Registration discount rate,	this form and payment must be received by th			Association Memberships section on the reverse side.
WAS MEMBER RATE WAS/CHAPTER STUDENT MEMBER RATE Init	clude copy of Student I.D.	US\$ 495	US\$ 595	
Non-Member Rate		US\$ 590	US\$ 790	Trade Show is included
Student Non-Member Rate Include copy of Str You can join WAS on the reverse side and use the Member Rate.		US\$ 395	US\$ 445	in the Full Conference Registration Rate.
Asia-Pacific Country* Member Rate		US\$ 250	US\$ 290	
Asia-Pacific Country* Student Member Ra	te Include copy of Student I.D.	US\$ 140	US\$ 180	
Asia-Pacific Country* Non-Member Rate (Includes Membership)	US\$ 300	US\$ 360	
Asia-Pacific Country* Student Non-Membe	er Rate (Includes Membership)	US\$ 170	US\$ 210	TOTAL REGISTRATION FEE
(Note* only the Listed Asia-Pacific coun registration for Non-Member rate will be				US\$
TRADE SHOW PASS (Trade show pa	ass is included with the Full Conference R	egistration)		
Good for 3 days admission to exhibits only - Nov. 3	30, Dec. 1-2	US\$ 50	TOTAL TRADE SHOW PASS US	\$
WORKSHOPS & TOURS - TBA			TOTAL	US\$
MEMBERSHIP DUES - Enter amount fr	om Membership Application on other side if	applicable.	TOTAL MEMBERSHIP DUES US	5\$
Do not mail registration after Nov. 1, 2022 or fax after Nov. 1. After Nov. 1, bring this form with you to register at the show.		-	TOTAL AMOUNT US\$	
Registration Co	onfirmation and Rec	eipt will be e	mailed after pro	cessing.
CANCELLATION POLICY: Cancellation of registratio are processed after the conference. No refund wil personal emergencies, flight cancellations, denied	II be made for cancellations received after 0	october 15, 2022 or for "no sho	ws". After October 15, 2022, no refur	nds will be made for professional or
PAYMENT METHOD: All fees must be paid to the order of WORLD AQUACULTURE 2022. For bank transfer details, contact us.				ails, contact us.
Check #	Visa Masterca	rd American Ex	xpress Discover	Diners Club
			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 <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 Korean LACC African Chapter

AFFILIATE MEMBERSHIPS:

Aquabio

- Aquaculture Association of Canada
- Aquaculture Association of South Africa
- Aquaculture Without Frontiers
- Asian Fisheries Society
- China Society of Fisheries
- Egyptian Aquaculture Society
- European Aquaculture Society
- Global Aquaculture Alliance
- □ IAFI The International Association of Seafood Professionals
- MEMBERSHIP APPLICATIONS

- Indonesian Aquaculture Society
- Korean Aquaculture Society
- □ Korean Society of Fisheris and Sciences (KOSFAS)
- Malaysian Fisheries Society
- Sociedad Brasileira de Acuicultura
- Society of Aquaculture Professionals (India)
- South African Aquaculture Society

RENEWAL

Spanish Aquaculture Association (SEA)

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: +1-225-578-3137 Fax: +1-225-578-3493 Email: judya@was.org

□ NEW APPLICATION

MEMBERSHIP CATEGORY: (Indicate only one) CHAPTER OPTIONS: Individual (Electronic JWAS) (USD 65/yr) Applies to an individual only One chapter incuded in membership. 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 Professor required) Asian Pacific Sustaining (Electronic JWAS) (USD 105/yr) Applies to any <u>one</u> individual from a company C Korea Latin American/Carribean Corporate (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate United States (USAS) Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an individual only None (deduct USD 5) Lifetime (Electronic JWAS only) (USD 1100 with one chapter) Applies to an individual only 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 arranged. Details to be provided later – check our website for updates.

HOTELS

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

TRADE SHOW SCHEDULE				
NOV. 30	DEC. 1	DEC. 2		
10:00 - 19:00	10:00 - 19:00	10:00 - 17:40		



TENTATIVE SCHEDULE

Tuesday, November 29

Noon – 18:00
Noon – 18:00
13:00 - 17:30
17:00 - 19:00

Wednesday, November 30

Registration Open	7:30 - 17:00
Welcome and award	9:00 - 09.15
Keynote Speech by GOH	9:15 - 09:45
Plenary	9:45- 10:10
Opening ceremony	10:15 - 10:45
Exhibitor Move-in	8:00 - 10:00
Poster Set-up	8:00 - 10:00
Official opening exhibition	10:20 - 11:20
Refreshment Break	10:20 - 11:20
Trade Show & Posters Open	10:00 - 19:00
Sessions	11:20 - 13:00
Lunch (On your own)	13:00 - 14:00
Sessions	14:00 - 15:40
Refreshment Break	15:40 - 16:00
Sessions	16:00 - 17:40
Happy Hour & Poster Session	17:40 - 19:00
Student Reception	19:00 - 21:00

Thursday, December 1

Registration Open	7:30 – 17:00
Sessions	9:00 – 10:40
Refreshment Break	10:40 - 11:00
Trade Show & Posters Open	10:00 – 19:00
Sessions	11:00 – 12:40
Lunch (On your own)	12:40 - 14:00
Sessions	14:00 – 15:40
Refreshment Break	15:40 – 16:00
Sessions	16:00 – 17:40
Happy Hour & Poster Session	17:40 – 19:00
WAS-APC Members meeting	17:40 – 18:40
President's Reception	19:00 – 21:30

Friday, December 2

Registration Open	7:30 – 17:00
Sessions	9:00 - 10:40
Refreshment Break	10:40 - 11:00
Trade Show & Posters Open	10:00 - 17:40
Sessions	11:00 - 12:40
Lunch (On your own)	12:40 - 14:00
Sessions	14:00 - 15:40
Refreshment Break	15:40 - 16:00
Sessions	16:00 - 17:40
Poster Out take down	16:00 - 18:00
Exhibit Move-out	17:40 - 22:00

ACCOMPANY ACCORD