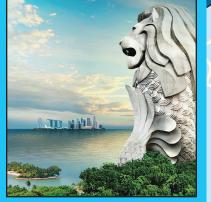
New deadline for abstract submission July 6, 2021



WA2020 World Aquaculture 2020

NEXT GENERATION AQUACULTURE INNOVATION AND SUSTAINABILITY WILL FEED THE WORLD

December 5-8, 2021

Singapore EXPO Convention & Exhibition Centre

and MAX Atria The Annual International Conference & Exposition of World Aquaculture Society

Asian Pacific Aquaculture 2020 - 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



@Wa2020

WASAPC

WAS Premier Sponsors







WORLD AQUACULTURE 2020 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 2020 is the perfect time for the world aquaculture community to focus on Singapore.

A major international trade show at WORLD AQUACULTURE 2020 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 2020 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 2020 will have many special Producer Sessions to address Producer's concerns from around the Asia-Pacific region.



Sessions and workshops at World Aquaculture 2020 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.
- Sconference 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.

So Only pre-registered attendees are guaranteed materials

WA 2020

FOR MORE INFORMATION: World Aquaculture 2020 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: July 6, 2021

WORLD AQUACULTURE 2020 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 2020 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 2020

December 5-8, 2021

Register online at: www.was.org

Return address for 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 w	ith payment. Use one f	orm per person.
PLEAS	E PRINT CLEARLY OR T	YPE ALL REQUESTED I	NFORMATION	
BADGE INFORMATION: (As you want your na	ame badge to read – No t	itles, please)		
First NameSURNAME (FAMILY NAME)				
Company or Institution (Limited to 40 Letters	& Snaces)			
City		Prov	Country	
Uny			oounny	
MAILING INFORMATION: Email	ide email address)			
Postal Address				
City	State / Prov	Postal Code	Count	ry
Phone (Include country and city code)	Fax		Title: (circle one)) Dr. Mr. Ms. Mrs
REGISTRATION FEES: In order to receive the See brochure for what is included in registratio		below, this form and pa	yment must be received by	r the date listed.
TYPE OF REGISTRATION	Register by	Register by	Register after	* To qualify for Member
FULL CONFERENCE & TRADE SHOW	Oct. 15, 2021 s form and payment must be	Nov. 14, 2021 received by the date above	Nov. 14, 2021	Rate you <u>must</u> complete the Association
WAS/CHAPTER MEMBER RATE*	US\$ 495	US\$ 595	US\$ 695	Memberships section on the reverse side.
NAS/CHAPTER STUDENT MEMBER RATE* Include copy of Student I.D.	US\$ 295	US\$ 295	US\$ 350	on the reverse side.
Non-Member Rate	US\$ 590	US\$ 690	US\$ 790	Trade Show is included
Student Non-Member Rate Include copy of Student I.D.	US\$ 395	US\$ 395	US\$ 445	in the Full Conference
You can join WAS on the reverse side and use the Member Rate.				Registration Rate.
Spouse Rate – must accompany a full registration	US\$ 385	US\$ 485	US\$ 585	
Jame				US\$
FRADE SHOW PASS (Trade show pass is in				
Good for 3 days admission to exhibits only – Dec. 6,	7,8	US\$ 50	TOTAL TRADE SHOW PASS	US\$
NORKSHOPS & TOURS – TBA				
			TOTAL	US\$
MEMBERSHIP DUES – Enter amount from Me	mbership Application on oth	ner side if applicable.	TOTAL MEMBERSHIP DUES	US\$
Do not mail registration after Nov. 14, 20	21 or fax after Nov. 14.			
After Nov. 14, bring this form with you to	o register at the show.		TOTAL AMOUNT U	\$\$
Registration Confirma	tion and Rec	eipt will be o	emailed after _l	processing.
ANCELLATION POLICY: Cancellation of registration 20% handling fee. Refunds are processed after t lov. 1, 2021, no refunds will be made for professional ees for memberships are non-refundable.	he conference. No refund	will be made for cancellat	tions received after Nov. 1, 20	021 or for "no shows". After
PAYMENT METHOD: All fees must be pair	d to the order of WORLD AC	QUACULTURE 2020.	For bank transfer d	etails, contact us.
Check #	Visa Masterc			Diners Club
Card #			Expiration Date_	
Name on Card	Date	Signatu	Ire	
Credit Card Billing Address				

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.

USAS APC Korean LACC African Chapter MEMBERSHIPS:

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

- 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
- □ Spanish Aquaculture Association (SEA)

MEMBERSHIP APPLICATIONS

□ NEW APPLICATION **D** RENEWAL

WORLD AQUACULTURE SOCIETY (WAS) APPLICATIO	N 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	was.org			
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 (Printed JWAS) (USD 110/yr) Applies to an individual only	Africa			
Individual (E Access) (USD 45/yr) Applies to an individual only	Asian Pacific			
Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required)	🗆 Korea			
Student (Printed JWAS) (USD 90/yr) (Copy of Student ID or Signature of Professor required)	🗅 Latin American/Carribean			
 Sustaining (Electronic JWAS) (USD 105/yr) Applies to any <u>one</u> individual from a company Sustaining (Printed JWAS) (USD 150/yr) Applies to any <u>one</u> individual from a company 	🗅 United States (USAS)			
 Sustaining (Printed JWAS) (USD 150/yr) Applies to any <u>one</u> individual from a company Corporate (Electronic JWAS) (USD 255/yr) Allows <u>all</u> employees of <u>one</u> company to attend meeting at Member Rate 	None (deduct USD 5)			
Corporate (Printed JWAS) (USD 300/yr) Allows <u>all</u> employees of <u>one</u> company to attend meeting at Member Rate	You can add extra Chapters for USD 5			
Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an individual 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).

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.





TENTATIVE SCHEDULE

Sunday, Decenber 5

Registration Open Exhibitor Move-in	Noon – 18:00 Noon – 18:00
Poster Set-up	13:00 - 17:30
Welcome drink	17:00 – 19:00

Monday, December 6

7:30 – 17:00
9:00 - 09.15
9:15 - 09:45
9:45– 10:15
10:15 – 10:45
8:00 - 10:00
8:00 - 10:00
10:45 – 10:50
10:45 – 11:15
10:00 - 19:00
11:15 - 12:55
12:55 - 14:00
14:00 – 15:40
15:40 – 16:00
16:00 – 17:40
17:40 - 19:00
19:00 - 21:00

Tuesday, December 7

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 – 21:00

Wednesday, December 8

Registration Open	7:30 – 17:00
Sessions	9:00 - 10:40
Refreshment Break	10:40 - 11:00
Trade Show & Posters Open	10:00 – 16:00
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
Poster Out take down	17:40 - 18:00
Exhibit Move-out	17:40 - 22:00

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