

WA2021 will be an **In-Person Event!** Please get vaccinated so we can have a free-flowing meeting!







WERLD **AQUACULTURE** Society

















**WAS Premier Sponsors** 









### WORLD AQUACULTURE VISITS MEXICO

The World Aquaculture Society is the organization of professionals in the most important field in the world, with members of more than 100 countries. Its annual conference is recognized globally as the most relevant for the exchange of knowledge, technology, innovation and professional network training. During WA2022 there will be the participation of the Food and Agriculture Organization of the United Nations (FAO) and other international organizations. There will be multiple presentations, workshops, business meetings, trade exhibition, art gallery, technical visits to farms and process plants in the region, and various events dedicated to building professional networks.

Mérida is distinguished for being one of the most beautiful cities in the world, as well as being considered one of the jewels of Latin America. With a wonderful climate, friendly and hospitable people, located in the State of Yucatan, cradle of the Mayan culture; It has various tourist attractions, among which are archaeological centers, beaches, large haciendas and majestic cenotes.

The Yucatan International Congress Center is an ecologically responsible building, equipped with state-of-the-art technology, built under the LEED Green Building certification system, it has "El Cenote" inside it, an underwater river that makes it unique in the world.

Due to the richness of its natural and hydrological resources, Mexico is considered one of the countries with the greatest aquaculture potential in the world. It is an honor for Mexico and a great opportunity that Mérida will become the capital of aquaculture during 2022. This event is expected to be a watershed in the evolution of the activity not only in the peninsula but throughout the country. #AquacultureNow.

WA2022 is inviting the national and international organisations and societies to hold their seminar, workshop and meetings during the event in Merida.

# Stay in touch with the program developments for WORLD AQUACULTURE 2021 through our Web Page at: www.was.org



#### TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

## Sessions and workshops at World Aquaculture 2021 will cover all aspects of aquaculture in the Latin American and Caribbean region as well as the rest of the world. Sample topics will include:

Abalone

Advances in alternative feed ingredients Advances in live feeds for larviculture

Algea and macrophytes

Amphibian and Reptile Aquaculture

Animal health and Welfare

Aquaculture and Circular Economy Aquaculture business incubator

Aquaculture for the future

Aquaponics and Integrated Aquaculture-

Agriculture Systems

Aquatic veterinary health capacity

Arid land Aquaculture

Barramundi, Seabass & Seabream

Bio-floc Systems Biosecurity Biotechnology

Biotechnology products from the sea: Pharma,

Additives, Protein Sources

Breeding & Genetics Cage-culture Carpet Shells

Carps Catfish

Certification and legislation Clams (including Giant Clams) Climate change, adaptation, resilience

Cobia

Coldwater Species - General

Commercial Species. Shrimp, Tilapia, Oyster, Tuna Country Specific Sessions (eg 2008 Norway)

Crabs & Lobsters

Crayfish & Freshwater Prawn

Development of national aquaculture technology 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 fish: Catfish, trout, Pejelagarto

Atractosteus tropicus

Freshwater crustaceans: Cherax crayfish,
Procambarus crawfish, Macrobrachium spp.

Freshwater Species - General

The future of integrated aquaculture

General Aquaculture

Genetic Improvement Programs for commercially

important aquaculture species

Grouper & Snapper

Hatchery & Larvae Management

Hatchery and Nursery Health - food and well-being

Immunology

Information Technology in Aquaculture

Innovation and High Techs

Integrated Multi-trophic Aquaculture

Investment funds and financing mechanisms for

aquaculture

Korean Aquaculture Session

Macroalgae

Marine Fish: Red drum, Cobia, Snapper, Totoaba,

Groupers Marketing & Trade Markets and media

Milkfish

Mollusks: Bivalves (Scallops, Penshell), Octopus

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

Regularization in aquaculture planning 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

Species with potential for Expansion. Marine Fish (Seriola),

Pacific Oyster

Species with potential for economic development

Standards & Certification

Sturgeons Supply chain

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 Workforce development 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

### World Aquaculture 2021

#### FOR MORE INFORMATION:

World Aquaculture 2021

**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 SAVE!

### **CALL FOR PAPERS** – DEADLINE: February 28 2022

**WORLD AQUACULTURE 2021** 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 2021 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.



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:



## World Aquaculture 2021

### May 24-27, 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: +17607515005 Fax: +17607515003 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.

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	EASE PRINT CLEARLY OR T		ORMATION	
BADGE INFORMATION: (As you want your na	ame badge to read – No t	tles, please)		
First Name	SUF	RNAME (FAMILY NAME)		
Company or Institution (Limited to 40 Letter				
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MAILING INFORMATION: Email				
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<b>REGISTRATION FEES:</b> In order to receive the See brochure for what is included in registration		elow, this form and paym	nent must be received by the	date listed.
TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW In order to receive the Pre-Registration discount rate, this	Register by March 1, 2022	Register by April 1, 2022	Register after April 1, 2022	* To qualify for Member Rate you <u>must</u> complete
WAS/CHAPTER MEMBER RATE*	US\$ 475	US\$ 575	US\$ 675	the Association Memberships section on
WAS/CHAPTER STUDENT MEMBER RATE* Include copy of Student I.D.	US\$ 250	US\$ 250	US\$ 315	the reverse side.
Non-Member Rate	US\$ 570	US\$ 670	US\$ 770	Trade Show is <u>included</u>
Student Non-Member Rate Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.	US\$ 320	US\$ 320	US\$ 390	in the Full Conference Registration Rate.
Spouse Rate – must accompany a full	US\$ 335	US\$ 395	US\$ 495	TOTAL REGISTRATION FEE
registration Name				US\$
TRADE SHOW PASS (Trade show pass is in	cluded with the Full Confer	ence Registration)	II	
Good for 3 days admission to exhibits only — Novemb	er 9, 10, 11	US\$ 50	TOTAL TRADE SHOW PASS	US\$
WORKSHOPS & TOURS – TBA				
				US\$
MEMBERSHIP DUES – Enter amount from Me			TOTAL MEMBERSHIP DUES	US\$
Do not mail registration after April 1, 20 After April 1, bring this form with you to		1. →	TOTAL AMOUNT U	S\$
Registration Confirma	ation and Rec	eipt will be	emailed after p	processing.
CANCELLATION POLICY: Cancellation of registration			-	
20% handling fee. Refunds are processed after the April 1, 2022, no refunds will be made for profession Fees for memberships are non-refundable.	ne conference. No refund v	vill be made for cancellat	ions received after April 1, 20	22 or for "no shows". After
PAYMENT METHOD: All fees must be pai	d to the order of WORLD A	QUACULTURE 2021.	For bank transfer de	etails, contact us.
Check #	Visa Masterd	ard American E	xpress Discover	Diners Club
Card #			Expiration Date_	<u>-</u>
Name on Card	Date	Signatu	ıre	
Credit Card Billing Address				

### **REGISTRATION FORM - SIDE 2**

Name					
<b>ASSOCIATION MEMBERSHIPS:</b> 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 □ Korear	n □ LACC □ African Chapter				
AFFILIATE MEMBERSHIPS:					
☐ Aquabio	☐ Indonesian Aquaculture Society				
☐ Aquaculture Association of Canada	☐ Korean Aquaculture Society				
☐ Aquaculture Association of South Africa	☐ Korean Society of Fisheries and Sciences (KOSFAS)				
☐ Aquaculture Without Frontiers	☐ Malaysian Fisheries Society				
☐ Asian Fisheries Society	☐ Sociedad Brasileira de Acuicultura				
☐ China Society of Fisheries	☐ Society of Aquaculture Professionals (India)				
☐ Egyptian Aquaculture Society	☐ South African Aquaculture Society				
☐ European Aquaculture Society	☐ Spanish Aquaculture Association (SEA)				
☐ Global Aquaculture Alliance					
☐ IAFI The International Association of Seafood Professionals	5				
MEMBERSHIP APPLICATIONS   • NEW APPLICAT	TION  RENEWAL				
WORLD AQUACULTURE SOCIETY (	WAS) APPLICATION www.was.org				
For details on the different types of memberships an	,				
Tel: +1-225-578-3137 Fax: +1-225-5					
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	□ Vorea				
Sustaining (Electronic JWAS) (USD 105/yr) Applies to any one individual from a co	ompany 🖵 Latin American/Carribean				
□ Corporate (Electronic JWAS) (USD 255/yr) Allows <u>all</u> employees of <u>one</u> company to	Officer States (OSAS)				
Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an individu					
Lifetime (Electronic JWAS only) (USD 1100 with one chapter) Applies to an individ	dual only You can add extra Chapters for USD 5				
Total Amount for WAS Membership USD					
Fees for memberships are non-refundable. Please e	enter this amount under "Membership Dues" section on opposite side of this form.				

#### 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

**MAY 25** 10:00 - 18:30

**MAY 26** 10:00 - 18:30

**MAY 27** 10:00 - 16:30

Centro Nacional de Congress de Yucatan CIC (Av.Cupules y Av. Colón Centro, C.P. 97000 - Mérida)



### **TENTATIVE SCHEDULE**

Tuesday, May 24					
Registration Open & Exhibit Set-up	1000 – 1700				
Farm Tours					
WAS Business Meeting	1600 – 1700				
COFI Meeting	0900 – 1700				
Inauguration & WAS/LACC Awards/spotlight	1700 - 1900				
Welcome Drink	1915 – 2100				
Wednesday, May 25					
Registration Open	0730 – 1700				
Plenary Sessions	0900 – 1030				
Break	1030 – 1120				
Trade Show Open	1000 – 1830				
Sessions	1120 – 1300				
FAO COFI meeting	1120 – 1700				
Industry Forum	1120 – 1700				
Lunch (at individual expense)	1300 – 1430				
Sessions	1430 – 1730				
Happy Hour & Posters	1730 – 1830				
Student Reception	1900 – 2100				
Thursday, May 26					
Registration Open	0800 - 1700				
Sessions	0900 - 1040				
COFI Meeting	0900 – 1700				
Break	1040 – 1110				
Trade Show Open	1000 – 1830				
Sessions	1110 – 1310				
Lunch (at individual expense)	1310 – 1430				
Sessions	1430 – 1730				
Happy Hour & Posters	1730 – 1830				
President's Reception	1900 – 2200				
Friday, May 27					
Registration Open	0800 – 1600				
Sessions	0900 – 1040				
COFI Meeting	1300 – 1700				
Break	1040 – 1110				
Trade Show Open	1000 – 1630				
Sessions	1110 – 1310				
Lunch (at individual expense)	1300 – 1430				
Sessions	1430 – 1550				
Break	1550 – 1610				
Sessions	1610 – 1730				
Exhibit Move-out	1630 – 1900				

Saturday, May 28

Farm Tours
WAS Board Meeting

0900 – 1700

