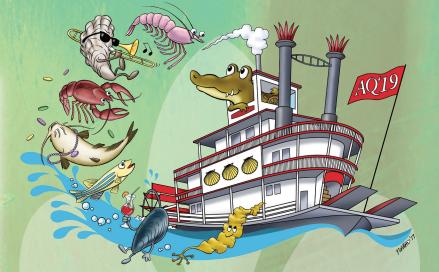
Aquaculture - The Big Easy Choice!

Aquaculture 2019



March 7 - 11, 2019 **New Orleans Marriott New Orleans, Louisiana**





al Shellfisheries Associ



CO-SPONSORS



ASSOCIATE SPONSORS

American Veterinary Medical Association America's Tilapia Alliance Aquacultural Engineering Society Aquaculture Association of Canada Aquaculture Feed Industry Association California Aquaculture Association **Catfish Farmers of America Global Aquaculture Alliance**

International Association of Aquaculture **Economics and Management** Latin America & Caribbean Chapter WAS **US Shrimp Farming Association US Trout Farmers Association** World Aquatic Veterinary Medical Association Zebrafish Husbandry Association



THE TRIENNIAL RETURNS TO NEW ORLEANS



AQUACULTURE 2019

Every three years, the Triennial is held somewhere in the United States. In 2019, the Triennial visits The Big Easy!

THE TRIENNIAL IS THE LARGEST AQUACULTURE MEETING IN THE WORLD!

The Triennial is the largest aquaculture conference and tradeshow held in the world with nearly 4000 attendees from over 90 countries and even more countries are expected to have attendees at AQUACULTURE 2019. The Triennial combines the annual meetings of the World Aquaculture Society, National Shellfisheries Association, Fish Culture Section of the American Fisheries Society, and the National Aquaculture Association. In addition to the annual meetings of the main sponsors, look what else is happening at AQUACULTURE 2019!

- AQUACULTURE AMERICA Annual Meeting of the U.S. Chapter of World Aquaculture Society, the National Aquaculture Association, and the U.S. Aquaculture Suppliers Association.
- Annual Meeting of the American Tilapia Association
- Annual Meeting of the Striped Bass Growers Association
- Annual Meeting of the U.S. Trout Farmers Association
- Special sessions organized by Aquacultural Engineering Society and International Association of Aquaculture Economics and Management
- Many other meetings of working groups, government agencies and related aquaculture activities
- Program with technical sessions and producers seminars covering virtually all species grown by aquaculture
- AND look at all of the Associate Sponsors who are participating in the program development!

The last Triennial was held in 2016 in Las Vegas where it was pronounced a huge success by the nearly 3000 people who attended. Don't miss this Triennial!

JOIN US AT THE TRIENNIAL, AQUACULTURE 2019

AQUACULTURE 2019 is the place to learn about the latest in aquaculture, see the newest technology in the trade show, and have a great time in the many fantastic restaurants, and entertainment sites in Las Vegas.

EXPANDED PRODUCER PROGRAM

The Triennial is known for the high quality of its Producer Program organized by National Aquaculture Association. AQUACULTURE 2019 will continue to expand the size and scope of the producer program to address all of the issues facing producers in the U.S. as well as around the world.

PRODUCER TOPICS

Aquatic Animal Drug Approval Aquatic Animal Health and Welfare Environmental Issues Farm Energy Cost Reduction Farm Planning and Management Tools: Design, Production and Farm/Firm Federal Agency Town Hall Meeting Feed, Feeding and Feed Ingredients Marketing and Promotion Offshore Aquaculture Regulatory Costs Remote Sensing: Farm and Environment Science and Public Policy Start Up Aquaculture Women in Aquaculture

A CRITICAL TRADE SHOW FOR AQUACULTURISTS!

will have the largest aquaculture trade show in the Western Hemisphere and one of the largest anywhere in the world with nearly 200 booths! This is your opportunity to inspect the latest in products and services for the aquaculture industry. It is the place to visit current suppliers and make new contacts. To keep ahead and to keep profits building, you need to keep pace with the technological advancements in the industry and AQUACULTURE 2019 is the place to do it!



TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

The Triennial Sponsors will put together an extensive technical program featuring special sessions, contributed papers and workshops on all of the species and issues facing aquaculturists around the world. Sample topics will include:

Shrimp Shrimp Nutrition Shrimp Health & Disease Shellfish Disease **Finfish Disease Finfish Nutrition** Shellfish Nutrition Marine Finfish Aquaculture Engineering Zebrafish Aquaponics Tuna Open Ocean Aquaculture IMTA / Integrated Aquaculture Biofouling Conservation / Restoration Aquaculture (fish and shellfish) **Distaster Relief** Sea Lice GMO Fish and Shellfish **Consumer Perceptions** of Farm-raised Seafood History of Aquaculture Mussels Scallops Oysters Clams Abalone Geoducks Pearl oysters Freshwater mussels Tridacna Shellfish genomics Post harvest shellfish treatment Sea Urchins Macrobrachium Crustaceans Tilapia Catfish Largemouth bass Sturgeon Gar, paddlefish and bowfin Percids Finfish genetics Pond fertilization and fish larvaeculture Ornamentals Mullet

Fish Physiology Larval Finfish Fels Finfish Breeding, Genetics, Genomics Striped Bass & Hybrids Dermo Probiotics and feed additives Therapeutic drugs Vibrio Biosecurity Probiotics in aquaculture Nutraceuticals Biotechnology Stock Enhancement Broodstock propagation and management Fish transport Hatchery technology Recirculation technology Freshwater Pond Aquaculture Recreational and ornamental pond management Small scale aquaculture Urban aquaculture Artemia Harmful algal blooms Law and Policy Aquaculture Without Frontiers Aquaculture education (including minority institutions) Market driven aquaculture: developing and sustaining an industry Aquaculture Economics Ecology & Environment Policy & regulations Organic Aquaculture: Future Opportunities Certification Endangered species Frogs Water Quality & Effluents Extension/Technology Transfer Feeds Latin American and Caribbean Aquaculture Fish Oil

CALL FOR PAPERS - DEADLINE: August 31, 2018

AQUACULTURE 2019 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 12 minutes for a presentation, plus 3 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.

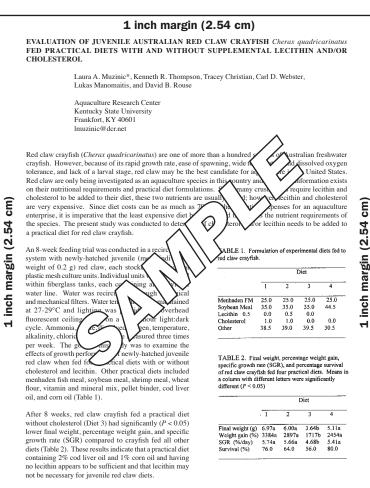
All presenters are required to pay their own registration accommodation and travel expenses. AQUACULTURE 2019 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed - a USB with Abstract Book will be given out and they 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.



11 inches long (27.94 cm

1 inch margin (2.54 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 or Fax: +1-760-751-5003



ATTENDEE REGISTRATION FORM

Aquaculture 2019

March 7-11, 2019 - New Orleans, Louisiana

Return address for payments in USD: AQUACULTURE 2019 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 fo	orm per person.
PLEAS	SE PRINT CLEARLY OR T	YPE ALL REQUESTED IN	NFORMATION	
BADGE INFORMATION: (As you want your n	ame badge to read – No t	titles, please)		
First NameSURNAME (FAMILY NAME)				
Company or Institution (Limited to 40 Letters				
City	• •	Prov	Country	
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MAILING INFORMATION: Email	ude email address)			
Postal Address				
City	State / Prov	Postal Code	Countr	У
Phone	Fax		Title: (circle one)	Dr. Mr. Ms. Mrs
(include country and city code)	(Include	e country and city code)		
REGISTRATION FEES: In order to receive th See brochure for what is included in registratic		below, this form and pa	yment must be received by	the date listed.
TYPE OF REGISTRATION	Register by	Register by	Register after	* To qualify for Member
FULL CONFERENCE & TRADE SHOW	January 21, 2019	February 15, 2019	February 15, 2019	Rate you <u>must</u> complete
MEMBER RATE*				the Association Memberships section
STUDENT MEMBER RATE*	US\$ 475	US\$ 575	US\$ 675	on the reverse side.
Include copy of Student I.D.	US\$ 250	US\$ 250	US\$ 315	
Non-Member Rate	US\$ 570	US\$ 670	US\$ 770	Trade Show is <u>included</u> in the Full Conference
Student Non-Member Rate Include copy of Student I.D.	US\$ 320	US\$ 320	US\$ 390	Registration Rate.
You can join WAS on the reverse side and use the Member Rate.				
Spouse Rate – must accompany a full registration	US\$ 375	US\$ 435	US\$ 535	TOTAL REGISTRATION FEE
Name	000070			US\$
TRADE SHOW PASS		(Trade sho	w pass is included with the F	ull Conference Registration)
Good for 3 days admission to exhibits only – March	8, 9, 10	US\$ 50	TOTAL TRADE SHOW PASS	US\$
INDUSTRY TOURS – See website for current 1	our information			
MEMBERSHIP DUES – Enter amount from Me	embership Application on oth	her side if applicable.	TOTAL MEMBERSHIP DUES	US\$
Do not mail registration after Jan. 31, 20 After Feb 15, bring this form with you to		2019.	TOTAL AMOUNT U	S\$
Registration Confirma	ation and Rec	eipt will be e	emailed after p	processing.
CANCELLATION POLICY: Cancellation of registration 20% handling fee. Refunds are processed after the February 1, 2019, no refunds will be made for pro emergencies. Fees for memberships are non-refund	conference. No refund wil fessional or personal emerg	I be made for cancellations	s received after February 1, 20)19 or for "no shows". After
AYMENT METHOD: All fees must be paid	to the order of AQUACULTU	RE 2019.		
Check # \				Diner's Club
Card #		Expiration Date_		_ Sec. Code
Name on Card	Date	Signature		

For bank transfer details, contact us.

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.

□ Americas Tilapia Alliance European Aquaculture Society National Shellfisheries Association □ Fish Culture Section - AFS American Veterinary Medical Association Sociedad Brasileira de Acuicultura Aquacultural Engineering Society □ Society of Aquaculture Professionals (India) Global Aquaculture Alliance Aquaculture Association of Canada □ IAFI The International Association of Seafood □ South African Aquaculture Society Aquaculture Association of South Africa Professionals □ Spanish Aquaculture Association (SEA) Aquaculture Without Frontiers Striped Bass Growers Association Indonesian Aquaculture Society Asian Fisheries Society Korean Aquaculture Society US Trout Farmers Association □ Korean Society of Fisheris and Sciences (KOSFAS) California Aquaculture Association World Aquaculture Society China Society of Fisheries Malaysian Fisheries Society UWorld Aquatic Veterinary Medical Association Egyptian Aquaculture Society National Aquaculture Association Zebrafish Husbandry Association

Student (USD 50/yr)

MEMBERSHIP APPLICATIONS

NATIONAL SHELLFISHERIES ASSOCIATION

□ NEW APPLICATION

For details on the different types of memberships and options please contact the NSA office at:

Web: www.shellfish.org

MEMBERSHIP CATEGORY: (Indicate only one)

Begular (USD 95/yr)

Sustaining (USD 200/yr)

Signature of Professor or copy of Student ID required

Total Amount for NSA Membership

RENEWAL

Includes subscription to the Journal of Shellfish Research

Please enter this amount under "Membership Dues" section on opposite side of this form.

USD

FISH CULTURE SECTION OF AMERICAN FISHERIES SOCIETY

□ FCS Membership for Current AFS members \$5.00

□ Affiliate FCS membership for non-AFS members \$15.00

Join or pay your membership dues online at fishculture.fisheries.org

WORLD AQUACULTURE SOCIETY (WAS) APPLICATIO	N www.was.org
For details on the different types of memberships and options, please contact the	e WAS home office at
Tel: +1-225-347-5408	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.
□ Individual (Printed JWAS) (USD 110/yr) Applies to an individual only	Mark the chapter you choose.
 Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required) Student (Printed JWAS) (USD 90/yr) (Copy of Student ID or Signature of Professor required) 	 Korea Latin American/Carribean United States (USAS) None (deduct USD 5) You can add extra Chapters for USD 5
Sustaining (Electronic JWAS) (USD 105/yr) Applies to any one individual from a company	
 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 	
 Corporate (Printed JWAS) (USD 300/yr) Allows all employees of <u>one</u> company to attend meeting at Member Rate Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an individual only Lifetime (Electronic JWAS only) (USD 1100 with one chapter) Applies to an individual only 	
Iotal Amount for WAS	S Membership USD hip Dues" section on opposite side of this form.
NATIONAL AQUACULTURE ASSOCIATION (NAA)
For details on the different types of memberships and options, please contact the	e NAA home office at:

Tel: +1-850-216-2400 Fax: +1-850-216-2480 Email: naa@thenaa.net Web: www.thenaa.net

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

TRAVEL

Special car rental fares have been arranged with AVIS. you can make reservations at 800-331-1600 or +1-918-624-4338 and mention the special discount code #J770126.

HOTELS

We have arranged for fantastic rates at the Marriott New Orleans Hotel. The meeting will be in the Marriott New Orleans Hotel. You can reserve your room by phone or on their website.

Check the conference website for details.

FARM TOURS

Check the website for tour details and to register for tours.

OUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all conference sessions and the trade show
- Admission to the receptions
- Conference Bag, Abstract USB, and Show Directory
- Refreshment Breaks and 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

Aquaculture 2019

Conference Management Office P.O. Box 2302 Valley Center, CA 92082 USA Tel: +1-760-751-5005 Fax: +1-760-751-5003 Email: worldaqua@was.com

REGISTER EARLY AND \$AVE!

TENTATIVE SCHEDULE

Thursday, March 7

Trade Show Dates March 8, 9, 10

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Exhibit Set-up	10:00 – 6:00
Registration Ope	12:00 - 6:00
Welcome Reception	6:00 - 8:00

Friday, March 8

Registration Open	7:30 - 5:00
Opening Ceremonies & Plenary Session	8:30 - 10:00
Refreshment Break	10:00 - 11:00
Sessions	11:00 - 12:30
Trade Show Open	10:00 - 6:00
Lunch (on your own)	12:30 - 1:30
Sessions	1:30 - 5:00
Happy Hour & Posters	5:00 - 6:00
Student Reception & NSA Fundraiser	7:00 - 9:00

Saturday, March 9

Registration Open	7:30 - 5:00
Sessions	8:30 – 10:00
Trade Show Open	10:00 - 6:00
Refreshment Break	10:00 – 10:30
Sessions	10:30 - 12:30
Lunch (on your own)	12:30 - 1:30
Sessions	1:30 - 5:00
Happy Hour & Posters	5:00 - 6:00
NAA Auction	6:00 - 8:00

Sunday, March 10

Registration Open	7:30 - 5:00
Sessions	8:30 - 10:00
Trade Show Open	10:00 - 1:30
Refreshment Break	10:00 - 11:00
Sessions	11:00 - 12:30
Lunch (on your own)	12:30 - 1:30
Sessions	1:30 - 3:00
Refreshment Break	3:00 - 3:30
Sessions	3:30- 5:30
Presidents Reception	6:30 - 8:30

Monday, March 11

8:00- 5:00
8:30 - 10:00
10:00 - 10:30
10:30 - 12:30
12:30 - 1:30
1:30 - 3:00
3:00 - 3:30
3:30 - 5:00
5:00 - 6:00

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