



WORLD AQUACULTURE 2011
Aquaculture for a Changing World

JUNE 6-10, 2011
NATAL CONVENTION CENTER
NATAL, BRAZIL

THE ANNUAL INTERNATIONAL CONFERENCE & EXPOSITION OF



HELD IN CONJUNCTION WITH



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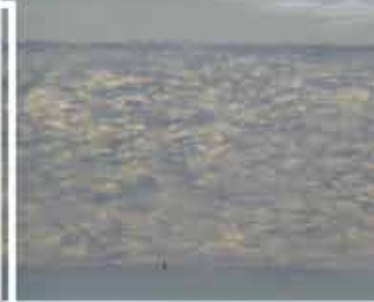
AQUABIO

Aquaculture Engineering Society

International Association of Aquaculture Economics & Management

Fundação Instituto de Pesca do Estado do Rio de Janeiro-FIPERJ

Governo Estadual do RN - Secretaria da Agricultura Pecuária e Pesca





World Aquaculture 2003 was one of the most highly attended WAS meetings ever. In 2011, WAS will once again hold World Aquaculture 2011 in Brazil. This time, it will be held in Natal, Brazil and located in the midst of many kinds of aquaculture. In 2003, aquaculture in Brazil was doing well, but now the aquaculture industry is doing even better. Aquaculture now has it's own Ministry in the Brazilian Federal Government – meaning there is a lot of government support for expansion of aquaculture in Brazil.

Natal will be the perfect place for the world aquaculture community to assemble to consider "Aquaculture for a Changing World". The program will explore the many aspects of this topic as well as addressing technical and practical changes in aquaculture.

BEYOND THE CONFERENCE

Natal is in the Northern part of Brazil and has many touristic activities available. Right on the beach there is much to enjoy in Natal - including the delicious local cuisine. Trips to the Amazon area, Fernando de Noronha and other marvelous sites are easy from Natal. Natal is one of the safest cities in the world and the safest in Brazil. Whether you like laying on the beach, snorkeling, diving, trekking or exploring the city, Natal will not disappoint!

Stay in touch with the program developments for

WORLD AQUACULTURE 2011

www.was.org

TRADE SHOW SCHEDULE		
TUESDAY	WEDNESDAY	THURSDAY
June	June	June
7	8	9

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at World Aquaculture 2011 will cover all aspects of aquaculture in Brazil as well as the rest of the world. Sample topics will include:

Aquaculture for a changing world

Evolving to an ecosystem approach for aquaculture
Organic aquaculture: a new trend for a new society
Aquaculture and climate change
Measuring sustainability in a changing world
Aquaculture and biodiversity: a new profitable approach
Periphyton-based aquaculture: productivity and profitability?
Animal welfare: a concern of consumers
Bio-remediation and nutrient recycling
Integrating finance into sustainability models
Achieving social responsibility in financially sustainable aquaculture development
Exotic species: environmental and economic impacts
Best Management Practices and waste treatment
Integrated multi-trophic aquaculture

Aquaculture and Human Health

Seafood for a healthy body and mind
Advances in seafood processing
Food safety and security
Aquaculture certification
Drugs and therapeutants

Production Systems

Cage-culture
Bio-floc systems
Recirculation systems
Land-based pond culture
Offshore aquaculture

Feedstuffs, Feeds and Feed additives

Feedstuffs and feed additives
Prebiotics and probiotics
Fish meal and oil extension
Alternative feedstuffs and aquafeeds
Antimicrobials in aquaculture feeds

Crustacean Culture

Marine shrimp maturation and hatchery management
Marine shrimp genetics
Marine shrimp feed and nutrition
Marine shrimp health
Marine shrimp grow-out management
Freshwater prawns - Macrobrachium
Crayfish, crabs and lobsters
Shrimp markets, marketing and economics

Finfish Culture

Finfish genetics
Finfish reproduction and broodstock management
Finfish morphology and physiology
Finfish health
Catfish, carp and other freshwater finfish species
Grouper, eel, bass and other finfish species
Finfish larvae management and nutrition
Finfish nutrition and feeding strategies
Carnivorous finfish feeds and nutrition
Tilapia
Tuna, cobia and yellowtails
Flatfish
Salmonid aquaculture
Finfish markets, marketing and economics

Mollusc Culture

Mollusc genetics and biotechnology
Mollusc reproduction, nutrition and grow-out
Environmental and health management
Mussel culture
Oyster culture
Octopus culture
Pearl and queen conch culture

Other Species Culture

Macroalgae
Microalgae: bioenergy and bioproducts
Amphibian and reptile aquaculture
Ornamentals
Brazilian indigenous species
Plankton culture
Culture of fish and crustaceans for bait
New candidate species

Special Topics

Functional genomics in aquaculture
Bio-economic modeling and aquaculture
Aquaculture for the rural poor people
Aquaculture engineering (AES session)
Aquaculture economics (IAEEM session)
Education, extension, and technology transfer
Aquaculture policy and regulations
R & D of aquaculture in Brazil
Latin American and Caribbean aquaculture
African aquaculture
Student career seminar
Freshwater Prawn Working Group - GTCAD workshop
Industry and producer subjects

YOUR FULL CONFERENCE REGISTRATION INCLUDES

- ☀ Only pre-registered attendees are guaranteed materials
 - ☀ Admission to all sessions, seminars and the trade show.
 - ☀ Admission to the Receptions.
 - ☀ Conference bag, Abstract CD and Show Directory
 - ☀ 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.

PLENARY TOPICS

- Measuring Sustainability for a Changing World
- Aquaculture Business Models for a Changing World

Farmer's Day and Industry Sessions

There will be a special Farmers Day with presentations on topics especially of interest to aquaculture farmers. There will also be Industry Sessions throughout the conference with speakers addressing industry concerns.

FOR MORE INFORMATION:

World Aquaculture 2011
Conference Manager
P.O. Box 2302
Valley Center, CA 92082 USA
Tel: +1-760-751-5005
Fax: +1-760-751-5003
Email: worldaqua@aol.com
www.was.org

REGISTER EARLY AND \$SAVE!

CALL FOR PAPERS- DEADLINE: December 1, 2010

World Aquaculture 2011 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 comprised of 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 can only use Power Point.

Overhead projectors, slides and video players will not be available or allowed.

All presenters are required to pay their own registration, accommodation and travel expenses.

World Aquaculture 2011 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed-a CD Abstract Book will be given to registered attendees.

INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

Expanded Abstract Format-Please refer to the sample.

- 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.
- AUTHOR(S) :** The first name should be the presenting author. Use *after the presenting author. Type in upper/lower case.
- ADDRESS AND EMAIL :** Type only the presenting author's institution, address and email. Type in upper/lower case.
- MAXIMUM LENGTH :** One Page
- PAGE SIZE :** Standard 210mm x 297mm A4 paper (portrait)
- MARGINS :** 1-inch margin throughout(left/right/top/bottom)
- SPACING :** Single spaced
- PARAGRAPHS :** Paragraphs should be separated by a blank line and should not be indented.
- FONTS :** Character fonts should be 12 point type.
- 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.
- MEASUREMENTS :** Use metric units of measurement. When needed, English equivalents may be given in parentheses.



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@aol.com or Fax: +1-760-751-5003



WORLD AQUACULTURE 2011

June 6-10, 2011

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@aol.com

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/Prov _____ Country _____

MAILING INFORMATION: Email _____
(please include email address)

Postal Address _____

City _____ State / Prov _____ Postal Code _____ Country _____

Phone _____ Fax _____ Title: (circle one) Dr. Mr. Ms. Mrs.
(Include country and city code) (Include country and city code)

REGISTRATION FEES: In order to receive the discount rates as listed below, this form and payment must be received by the date listed. See brochure for what is included in registration fees.

TYPE OF REGISTRATION	Register by March 31, 2011	Register by May 1, 2011	Register after May 1, 2011	* To qualify for Member Rate you <u>must</u> complete the Association Memberships section on the reverse side. ● ● ● ● ● ● ● ● Trade Show is <u>included</u> in the Full Conference Registration Rate. TOTAL REGISTRATION FEE US\$ _____
FULL CONFERENCE & TRADE SHOW <small>In order to receive the Pre-Registration discount rate, this form and payment must be received by the date above</small>				
ASSOCIATION MEMBER RATE*	<input type="checkbox"/> US\$ 450	<input type="checkbox"/> US\$ 550	<input type="checkbox"/> US\$ 650	
STUDENT MEMBER RATE* <small>Include copy of Student I.D.</small>	<input type="checkbox"/> US\$ 230	<input type="checkbox"/> US\$ 230	<input type="checkbox"/> US\$ 330	
Non-Member Rate	<input type="checkbox"/> US\$ 545	<input type="checkbox"/> US\$ 645	<input type="checkbox"/> US\$ 745	
Student Non-Member Rate <small>Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.</small>	<input type="checkbox"/> US\$ 275	<input type="checkbox"/> US\$ 275	<input type="checkbox"/> US\$ 435	
<input type="checkbox"/> Spouse Rate <small>Name _____</small>	<input type="checkbox"/> US\$ 325	<input type="checkbox"/> US\$ 395	<input type="checkbox"/> US\$ 435	

TRADE SHOW PASS (Trade show pass is included with the Full Conference Registration)
 Good for 3 days admission to exhibits only – June 7, 8, 9 US\$ 30 **TOTAL TRADE SHOW PASS** US\$ _____

INDUSTRY TOURS – To be announced later.

MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable. **TOTAL MEMBERSHIP DUES** US\$ _____

Do not mail registration after May 1, 2011 or fax after May 31.
After May 18, bring this form with you to register at the show.

TOTAL AMOUNT US\$ _____

Registration Confirmation and Receipt will be emailed after processing.

CANCELLATION POLICY: Cancellation of registration must be received - in writing - no later than May 1, 2011. Refunds for registration fees will be subject to a 20% handling fee. Refunds are processed after the conference. No refund will be made for cancellations received after May 1, 2011 or for "no shows". After May 1, 2011, no refunds will be made for professional or personal emergencies, flight cancellations, denied visa, weather related cancellation or other travel emergencies. Fees for memberships are non-refundable.

PAYMENT METHOD: All fees must be paid to the order of **WORLD AQUACULTURE 2011**. **For bank transfer details, contact us.**

Check # _____ Visa Mastercard American Express Discover Diners Club

Card # _____ Expiration Date _____

Name on Card _____ Date _____ Signature _____

Credit Card Billing Address _____

REGISTRATION FORM - SIDE 2

ASSOCIATION MEMBERSHIPS: Please check all boxes for associations of which you are a current member to receive the member rate on the registration fees. You can join an association at any time before registering to qualify for the member rate.

- | | |
|--|--|
| <input type="checkbox"/> AQUABIO | <input type="checkbox"/> Korean Aquaculture Society |
| <input type="checkbox"/> Aquaculture Association of Canada | <input type="checkbox"/> Korea Chapter, WAS |
| <input type="checkbox"/> Aquaculture Engineering Society | <input type="checkbox"/> Latin American and Caribbean Chapter, WAS |
| <input type="checkbox"/> Asian Fisheries Society | <input type="checkbox"/> Malaysian Fisheries Society |
| <input type="checkbox"/> Asian-Pacific Chapter WAS | <input type="checkbox"/> National Aquaculture Council of Australia |
| <input type="checkbox"/> China Society of Fisheries | <input type="checkbox"/> Society of Aquaculture Professionals |
| <input type="checkbox"/> Egyptian Aquaculture Society | <input type="checkbox"/> South African Aquaculture Society |
| <input type="checkbox"/> European Aquaculture Society | <input type="checkbox"/> Spanish Aquaculture Association |
| <input type="checkbox"/> Global Aquaculture Alliance | <input type="checkbox"/> USAS, WAS |
| <input type="checkbox"/> Indonesian Aquaculture Society | <input type="checkbox"/> World Aquaculture Society (WAS) |
| <input type="checkbox"/> International Association of Aquaculture Economics and Management | |

MEMBERSHIP APPLICATION

NEW APPLICATION

RENEWAL

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

MEMBERSHIP CATEGORY: (Indicate only one)

- Individual** (Electronic JWAS) (USD 65/yr) Applies to an individual only
- Individual** (Printed JWAS) (USD 85/yr) Applies to an individual only
- Student** (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required)
- Student** (Printed JWAS) (USD 65/yr) (Copy of Student ID or Signature of Professor required)
- Sustaining** (Electronic JWAS) (USD 105/yr) Applies to any one individual from a company
- Sustaining** (Printed JWAS) (USD 125/yr) Applies to any one individual from a company
- Corporate** (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate
- Corporate** (Printed JWAS) (USD 275/yr) Allows all employees of one company to attend meeting at Member Rate
- Lifetime** (Electronic JWAS only) (USD 1005/yr) Applies to an individual only
- E membership** (USD 10/yr) Full access to the WAS website and Member's Area.
Chapter membership not included. No member discount on conferences.
Printed publications not included. Cannot have been a regular member in the last five years.

CHAPTER OPTIONS:

(Must have active membership in one of the categories at left)

Please mark the Chapter you choose that is included in your dues above. You can join more chapters by adding USD 5 per extra chapter.

If you mark none, you can deduct USD 5.

- Asian Pacific** (USD 5)
- Japan** (USD 5)
- Korea** (USD 5)
- Latin American/Caribbean** (USD 5)
- United States (USAS)** (USD 5)
- None**

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.

FARM TOURS

There will be several Farm Tours to various aquaculture farms around Natal. Please check the website for details.

TRAVEL AND HOTEL

Special airfares and hotel prices have been arranged for visiting Natal. Contact the official show travel agency below who can help with airline reservations. They also will make your reservation at all the hotels that have special rates for attendees of World Aquaculture 2011. To get the special hotel rates, please book through Arituba Turismo.

For the best airfares contact:
ARITUBA TURISMO
Contact: Aline Oliveira
aline@arituba.com.br
+55 84 3133-3880
www.arituba.com.br

VISA

Be sure to check with the Brazilian Embassy to see if you need a visa to enter Brazil from your country. Be sure to start the visa application process early to make sure you get the visa in time.



Stay in touch with the program
developments for

WORLD AQUACULTURE 2011

www.was.org



TENTATIVE SCHEDULE

Monday, June 6

Registration Open & Exhibit Set-up	1000 - 1700
VIP Reception	1730 - 1800
Opening Ceremonies	1800 - 1900
Welcome Reception	1900 - 2100

Tuesday, June 7

Registration Open	0730 - 1700
Awards & Plenary Session	0830 - 1030
Refreshment Break	1030 - 1130
Trade Show Open	1030 - 1900
Sessions	1130 - 1230
Lunch	1230 - 1400
Sessions	1400 - 1730
Happy Hour & Posters	1730 - 1900
Student Reception	1900 - 2100

Wednesday, June 8

Registration Open	0800 - 1500
Sessions	0830 - 1030
Refreshment Break & Posters	1030 - 1100
Sessions	1100 - 1230
Trade Show Open	1030 - 1900
Lunch	1230 - 1400
Sessions	1400 - 1530
Refreshment Break & Posters	1530 - 1600
Sessions	1600 - 1730
Happy Hour & Posters	1730 - 1900

Thursday, June 9

Registration Open	0800 - 1500
Sessions	0830 - 1030
Refreshment Break & Posters	1030 - 1100
Sessions	1100 - 1200
Trade Show Open	1030 - 1700
Lunch	1200 - 1330
Sessions	1330 - 1500
Refreshment Break & Posters	1500 - 1530
Sessions	1530 - 1730
Exhibit Move-out	1700 - 2200
President's Reception	1930 - 2200

Friday, June 10

Registration Open	0830 - 1500
Sessions	0830 - 1000
Refreshment Break & Posters	1000 - 1030
Sessions	1030 - 1200
Lunch	1200 - 1330
Sessions	1330 - 1500
Refreshment Break & Posters	1500 - 1530
Sessions	1530 - 1700
Closing Happy Hour	1700 - 1800

