





THE ANNUAL INTERNATIONAL CONFERENCE & EXPOSITION OF







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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 June	wednesday June	THURSDAY 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 Aguaculture 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

aquaculture development Exotic species: environmental and economic impacts Best Management Practices and waste treatment Integrated multi-trophic aquaculture

Achieving social responsibility in financially sustainable

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 aguaculture 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
- Aguaculture 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: worldagua@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.

- 1. 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.
- 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 presenting author's institution, address and email. Type in upper/lower case.
- 4. MAXIMUM LENGTH: One Page
- 5. PAGE SIZE: Standard 210mm x 297mm A4 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 in black print only. The reduced figures and tables should be included in the abstract in camera-ready form.
- 11. 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 : worldagua@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.

PLEAS	SE PRINT CLEARLY OR T	YPE ALL REQUESTED IN	IFORMATION		
BADGE INFORMATION: (As you want your n	ame badge to read – No t	itles, please)			
First NameSURNAME (FAMILY NAME)					
Company or Institution(Limited to 40 Letter	s & Snaces)				
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REGISTRATION FEES: In order to receive th See brochure for what is included in registration		below, this form and pay	yment must be received by	the date listed.	
TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW	Register by March 31, 2011	Register by May 1, 2011	Register after May 1, 2011	* To qualify for Member	
In order to receive the Pre-Registration discount rate, th ASSOCIATION MEMBER RATE*	US\$ 450	US\$ 550	US\$ 650	Rate you <u>must</u> complete the Association	
STUDENT MEMBER RATE* Include copy of Student I.D.	US\$ 230	US\$ 230	US\$ 330	Memberships section on the reverse side.	
Non-Member Rate	US\$ 545	US\$ 645	US\$ 745	Trade Show is included	
Student Non-Member Rate Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.	US\$ 275	US\$ 275	US\$ 435	in the Full Conference Registration Rate.	
Spouse Rate Name	US\$ 325	US\$ 395	US\$ 435	TOTAL REGISTRATION FEE US\$	
TRADE SHOW PASS		(Trade sho	w pass is included with the Fi	ull 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 Me	embership Application on oth	ner side if applicable.	TOTAL MEMBERSHIP DUES	US\$	
Do not mail registration after May 1, 20 After May 18, bring this form with you to	•	→	TOTAL AMOUNT US	S\$	
Registration Confirma	ation and Rec	eipt will be e	emailed after p	processing.	
CANCELLATION POLICY: Cancellation of registration handling fee. Refunds are processed after the confermay 1, 2011, no refunds will be made for profession emergencies. Fees for memberships are non-refund.	rence. No refund will be mad al or personal emergencies, t	le for cancellations received	d after May 1, 2011 or for "no s	shows". After	
PAYMENT METHOD: All fees must be pai	id to the order of WORLD AC	UACULTURE 2011.	For bank transfer de	tails, contact us.	
Check #	Visa Masterc	ard American Ex	xpress Discover	Diners Club	
Card #			Expiration Date_		
Name on Card	Date	Signatu	re		
Credit Card Billing Address					

REGISTRATION FORM - SIDE 2

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

☐ AQUABIO			☐ Korean Aquaculture Society	
☐ Aquaculture Association of Canada			☐ Korea Chapter, WAS	
☐ Aquaculture Engineering Society			☐ Latin American and Caribbean Chapter, WAS	
☐ Asian Fisheries Society		☐ Malaysian Fisheries Society		
☐ Asian-Pacific Chapter WAS		☐ National Aquaculture Council of Australia		
☐ China Society of Fisheries			\square Society of Aquaculture Professionals	
☐ Egyptian Aquaculture Society			☐ South African Aquaculture Society	
☐ European Aquaculture Society			☐ Spanish Aquaculture Association	
☐ Global Aquaculture Alliance			☐ USAS,WAS	
\square Indonesian Aquaculture Society			☐ World Aquaculture Society (WAS)	
☐ International Association of Aquaculture Economics and Management				
MEMBERSHIP APPLICATION	☐ NEW APPLICATION	□ RENEWAL		

WORLD AQUACULTURE SOCIETY (WAS) APPLICATION

ww	w.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)		CHAPTER OPTIONS:				
☐ Individual (Electronic JWAS) (USD 65/yr) Applies to an individual only		(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.				
☐ Individual (Printed JWAS) (USD 85/yr) Applies to an individual only						
☐ Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature						
☐ Student (Printed JWAS) (USD 65/yr) (Copy of Student ID or Signature of						
Sustaining (Electronic JWAS) (USD 105/yr) Applies to any <u>one</u> individual	☐ Asian Pacific (USD 5)					
☐ Sustaining (Printed JWAS) (USD 125/yr) Applies to any one individual from	☐ Japan (USD 5)					
☐ Corporate (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate		☐ Korea (USD 5)				
☐ Corporate (Printed JWAS) (USD 275/yr) Allows all employees of one company to attend meeting at Member Rate		☐ Latin American/Carribean (USD 5)				
☐ Lifetime (Electronic JWAS only) (USD 1005/yr) Applies to an individual of	only	☐ United States (USAS) (USD 5)				
■ E membership (USD 10/yr) Full access to the WAS website and Member's Chapter membership not included. No member discount on conferences. Printed publicationsnot included. Cannot have been a regular member in		□ None				
Fees for memberships are non-refundable.	Total Amount for WAS Please enter this amount under "Membersh	Membership USD				

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



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.





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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 1100 - 1230 Sessions 1030 - 1900 **Trade Show Open** 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 1100 - 1200 Sessions **Trade Show Open** 1030 - 1700 1200 - 1330 Lunch Sessions 1330 - 1500 **Refreshment Break & Posters** 1500 - 1530 1530 - 1730 Sessions **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 THE WORLD 1030 - 1200 Sessions 1200 - 1330 Lunch 1330 - 1500 Sessions **Refreshment Break & Posters** 1500 - 1530 1530 - 1700 Sessions Closing Happy Hour 1700 - 1800