Asian-Pacific Aquaculture 2021
Bridging Technology Innovation to Elevate the Sustainable Aquaculture Industry

7-10 September 2021
Grand City
Surabaya, Indonesia

This event includes:
• Asia Pacific Aquaculture 2021
• IndoAqua 2021
• FITA 2021
• ICAI-MAI 2021
• SCI 2021
• DigiFish 2021

Hosted by: Ministry of Marine Affairs & Fisheries (MMAF)
ASIAN PACIFIC AQUACULTURE 2021

THE SECOND MAJOR INTERNATIONAL AQUACULTURE CONFERENCE IN INDONESIA

After the first meeting in 2016, Asian Pacific Aquaculture conference 2021 will be the next chance for the international aquaculture community to visit Indonesia and see the rapidly expanding aquaculture industry in Indonesia – nearly 20% increase in the last 5 years in hectares in aquaculture production and over 50% per year increase in tons produced every year for the last 10 years! Attendees will be able to see what is happening in Indonesian aquaculture to create this growth as well as aquaculture developments in the rest of Southeast Asia.

Asian Pacific Aquaculture 2021 is the place to learn about the latest in aquaculture, see the newest technology in the trade show with exhibits from around the world and enjoy the many tourist sights in Indonesia.

SPECIAL PRODUCER PROGRAM

Asian Pacific Aquaculture 2021 will have several special Industry sessions with the latest in practical knowledge for the Indonesian aquaculture producers IndoAqua, Fita.

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at Asian Pacific Aquaculture 2021 will cover all aspects of aquaculture in Indonesia as well as Southeast Asia.

PROGRAM TOPICS

Algal Aquaculture and Biology
Amphibian and Reptile Aquaculture
Animal Health & Welfare Aquaculture
Aquaponics and Integrated Aquaculture-Agriculture Systems
Arid land Aquaculture
Barramundi, Seabass & Seabream
Bio-floc Systems
Biosecurity
Biotecnology
Breeding & Genetics
Cage-culture
Carp
Cobia
Coldwater Species - General
Crabs & Lobsters
Crayfish & Freshwater Prawn Development, Welfare and Poverty Alleviation (AwF)
Diseases
Drugs and Chemotherapeutics
Economics & Management
Education, Extension, Technology Transfer
Eels
Embryology
Emerging Issues
Emerging Species
Enhancement, Stocking & Ranching
Environment, Biodiversity and Climate Change
Farmers Day
Finfish Broodstock Maturation
Fish Biology and Physiology
Fish Health
Fish Meal and Oil
Flatfish
Food Safety, Inspections and Audits
Freshwater Aquaculture and Environmental Impact
Freshwater Species – cold & warm
Genetics and Breeding of Freshwater Fishes
Grouper & Snapper
Hatchery & Larvae Management
Immunology and Vaccines
Information Technology in Aquaculture
Innovation and High Techs Integrated Multi-trophic Aquaculture
Investment in Aquaculture
Indonesian Aquaculture Session
Marine Shrimp
Marketing & Trade
Milk Fish
Mollusc Broodstock and Hatchery
Mollusc Cultivation
Molluscan Genetics and Genomes
Nutrition & Feed
Ocean Acidification
Octopus and Cuttlefish
Offshore Aquaculture
Organic Aquaculture
Ornamentals
Other Marine Fish
Oyster
Pacific & Indigenous Aquaculture
Pangasius, Clarias & Ictalurus
Pearl and Queen Conch Culture
Physiology, Morphology & Histology
Plankton Culture
Policy & Regulations
Polyculture
Pond Culture
Prebiotics and Probiotics
Processing Technology
Product Quality
Raceway Systems
Recirculating Systems
Reservoir based Aquaculture
Salmonid & trout
Sea cucumbers and Urchins
Seaweeds and Algae
Shellfish
Shrimp Farm Design and Management
Shrimp Feeding and Nutrition
Shrimp Genetics, Broodstock and Hatchery Management
Spatial Planning and Regulation
Standards & Certification
Sustainable Development of Aquaculture
Tilapia
Tuna
Value Chain Development
Wastage Utilisation
Water Quality and Usage
Women in Aquaculture
Yellowtails, Amberjacks,etc
Zebrafish

Stay in touch with the program developments for ASIAN-PACIFIC AQUACULTURE 2021 through our Web Page at: http://www.was.org
CALL FOR PAPERS – DEADLINE: June 1, 2021

ASIAN-PACIFIC 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.

Posters will have a featured and prominent place in ASIAN-PACIFIC AQUACULTURE 2021:

- Presenters that turn in the PDF or PowerPoint of their poster four weeks before the conference will have their poster reviewed at the end of the appropriate oral session.
- If turned in as stated above, the posters will also go on the conference website.
- Besides the two Happy Hours in the exhibits, there will be an additional Special Poster Viewing & Happy Hour on Friday.
- In the Program Book, special announcements will be made in the oral session lists of where relevant posters can be found.

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

All presenters are required to pay their own registration, accommodation and travel expenses. ASIAN-PACIFIC AQUACULTURE 2021 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed - a USB 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 (see sample). 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 4 paper (210mm x 297mm = 8.27” x 11.69”)(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. PHOTOS, FIGURES & TABLES: Photo, figures and tables are highly recommended and they may be in color. They should be reduced to the appropriate size to fit a one page abstract and should be clearly readable at the reduced size. The reduced figures and tables should be included in the abstract.

Red claw crayfish (Cherax quadricarinatus) are one of more than a hundred species of Australian freshwater crayfish. However, because of its rapid growth rate, ease of spawning, wide range of temperature and dissolved oxygen tolerance, and lack of a larval stage, red claw may be the best candidate for the United States. Red claw are only being investigated as an aquaculture species in this country, but little is known about their nutritional requirements and practical diet formulation. "Since many crustaceans require lecithin and cholesterol to be added to their diet, these two nutrients are usually added; however, the Leiden and cholesterol are very expensive. Since diet costs can be as much as 50% of the total expenses for an aquaculture enterprise, it is imperative that the least expensive diet be formulated that meets the nutrient requirements of the species. The present study was conducted to determine if lecithin and cholesterol needs to be added to a practical diet for red claw crayfish."

A 8-week feeding trial was conducted in a recirculating system with newly-hatched juvenile red claw, each stocked in individual plastic mesh culture units. Individual units were composed of a mesh screen, a 600 ml water line, water was recirculated through a biological filter and mechanical filters. Water temperature and light/dark cycle were maintained at 27-29°C and 14:10 hr, respectively. After 8 weeks, red claw crayfish fed a practical diet containing 2% cod liver oil and 1% corn oil (Table 1). These results indicate that a practical diet containing 2% cod liver oil and 1% corn oil (Table 1).

After 8 weeks, red claw crayfish fed a practical diet without cholesterol (Diet 3) had significantly (P < 0.05) lower final weight, percentage weight gain, and specific growth rate (SGR) compared to crayfish fed all other diets (Table 2). These results indicate that a practical diet containing 2% cod liver oil and 1% corn oil and having no lecithin appears to be sufficient and that lecithin may not be necessary for juvenile red claw diets.

Please submit your abstract online on www.was.org
REGISTRATION FORM

ASIAN-PACIFIC AQUACULTURE 2021

SEPTEMBER 7-10, 2021

SAVE TIME – REGISTER ONLINE

• Register Online
• Please return both sides of this form with payment to one of the addresses above (depending on the currency used).
• Registration can be faxed (Fax: +1-760-751-5003) if paying by credit card. (Fax both sides).
• Use one form per person. Please copy this form for additional people.
• Cancellations will receive a refund minus 20% handling. Cancellations must be in writing and be received by June 10, 2021. Refunds will be issued after the conference.

SAVE TIME – REGISTER ONLINE

PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION

NAME 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)

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)________________________________________

TYPE OF REGISTRATION

FULL CONFERENCE & TRADE SHOW

Register by

Register after

July 15, 2021

July 15, 2021

WAS/CHAPTER MEMBER RATE*

US$ 325

US$ 490

WAS/CHAPTER STUDENT MEMBER RATE*

US$ 165

US$ 195

Non-Member Rate

US$ 425

US$ 590

US$ 215

US$ 255

Spouse Rate – must accompany a full registration

US$ 255

US$ 395

TRADE SHOW PASS (Trade show pass is included with the Full Conference Registration)

Good for 3 days admission to exhibits only – September 8, 9, 10

US$ 30

TOTAL TRADE SHOW PASS

US$

WORKSHOPS & TOURS – Information to come.

TOTAL

US$

MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable.

TOTAL MEMBERSHIP DUES

US$

Do not mail registration after May 10, 2021 or fax after July 20. After July 20, bring this form with you to register at the show.

TOTAL AMOUNT

US$

Registration Confirmation and Receipt will be emailed after processing.

PAYMENT METHOD: All fees must be paid to the order of ASIAN-PACIFIC AQUACULTURE 2021 without charges for the beneficiary.

☐ Check # ____________________________ Visa ☐ Mastercard ☐ American Express ☐ Discover ☐ Diners Club

Card # ____________________________ Expiration Date ____________________________ Sec Code ____________________________

Name on Card ____________________________ Date ____________________________ Signature ____________________________

Credit Card Billing Address ____________________________

For bank transfer details, contact us.

Return address for payments in USD:

WAS Conference Office - ASIAN-PACIFIC AQUACULTURE 2021

P.O. Box 2302 • Valley Center, CA 92082 USA

Tel: +1 760 751 5005 Fax: +1 760 751 5003 Email: worldaqua@was.org

* To qualify for Member Rate you must complete the Association Memberships section on the reverse side.

Trade Show is included in the Full Conference Registration Rate.

Includes Student or Non-Member Rate.
**REGISTRATION FORM - SIDE 2**

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.

**MEMBERSHIPS:**  
- [ ] WAS  
- [ ] USAS  
- [ ] APC  
- [ ] Korean  
- [ ] LACC  
- [ ] African Chapter

**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

**MEMBERSHIP APPLICATIONS**  
- [ ] NEW APPLICATION  
- [ ] RENEWAL

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**WORLD AQUACULTURE SOCIETY (WAS) APPLICATION**

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 110/yr) Applies to an individual only
- [ ] Individual (E Access) (USD 45/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 90/yr) (Copy of Student ID or Signature of Professor required)
- [ ] Sustaining (Electronic JWAS) (USD 105/yr) Applies to any individual from a company
- [ ] Sustaining (Printed JWAS) (USD 150/yr) Applies to any 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 300/yr) Allows all employees of one company to attend meeting at Member Rate
- [ ] Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an individual only

**CHAPTER OPTIONS:**

- [ ] Africa
- [ ] Asian Pacific
- [ ] Korea
- [ ] Latin American/Carribbean
- [ ] United States (USAS)
- [ ] None (deduct USD 5)

You can add extra Chapters for USD 5

**Total Amount for WAS Membership USD______________________**

Fees for memberships are non-refundable.

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For membership in other associations, please contact them directly.

If you need a phone number, contact the Conference Manager (+1-760-751-5005).

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MANY OPPORTUNITIES FOR FARM TOURS
Some very special tours will be set up by the Indonesian Associations. Details to be provided later – check our website for updates.

TENTATIVE SCHEDULE

TUESDAY, SEPTEMBER 7
Bag Stuffing ....................................... 7:00 am – 11:00 am
Registration Open ............................ Noon – 6:00 pm
Exhibitor Move-in ......................... Noon – 6:00 pm
Poster Set-up ................................... 1:00 pm – 5:00 pm

WEDNESDAY, SEPTEMBER 8
Registration Open ............................ 7:30 am – 5:00 pm
Plenary Session ............................... 8:30 am – 9:30 am
Opening ceremony .................... 9:30 am – 10:00 am
Exhibition opening .................. 10:00 am – 10:10 am
Exhibitor Move-in ................. 8:00 am – 10:00 am
Poster Set-up .............................. 8:00 am – 10:00 am
Refreshment Break .................. 10:00 am – 10:40 am
Trade Show & Posters Open .... 10:00 am – 6:30 pm
Sessions ............... 10:40 am – 12:20 pm
Lunch (coupon conv hall) ....... 12:20 pm – 1:50 pm
Sessions ..................... 1:50 pm – 3:30 pm
Refreshment Break Sessions ... 3:30 pm – 4:00 pm
Happy Hour & Poster Session ...... 4:00 pm – 5:20 pm
WAS-APC AGM ....................................... 5:30 pm – 6:30 pm
Student Forum .................................. 7:30 am – 9:00 pm

THURSDAY, SEPTEMBER 9
Registration Open ............................ 7:30 am – 5:00 pm
Sessions .............................................. 8:30 am – 10:10 am
Refreshment Break .................. 10:10 am – 10:40 am
Trade Show & Posters Open Sessions . 10:00 am – 5:30 pm
Sessions ..................... 10:40 am – 12:20 pm
Lunch (On your own) ............ 12:20 am – 1:50 pm
Sessions .............................................. 1:50 pm – 3:30 pm
Refreshment Break Sessions ... 3:30 pm – 4:00 pm
WAS-APC Members meeting ...... 4:00 pm – 5:20 pm
President Reception .......... 7:30 pm – 9:30 pm

FRIDAY, SEPTEMBER 10
Registration Open ............................ 7:30 am – 5:00 pm
Sessions .............................................. 8:30 am – 11:00 am
Refreshment Break .................. 10:10 am – 10:40 am
Trade Show & Posters Open .... 10:00 am – 4:00 pm
Lunch (On your own) ............ 12:00 pm – 1:00 am
Sessions ..................... 1:00 pm – 3:30 pm
Refreshment Break Sessions ... 3:30 pm – 4:00 pm
Sessions .............................................. 4:00 pm – 5:20 pm

FOR MORE INFORMATION:
ASIAN-PACIFIC AQUACULTURE 2021
Conference Manager
P.O. Box 2302
Valley Center, CA 92082 USA
Questions:?
Tel: +1-760-751-5005
Fax: +1-760-751-5003

YOUR FULL CONFERENCE REGISTRATION INCLUDES:
- Only pre-registered attendees are guaranteed materials
- Admission to all sessions, seminars and the trade show
- Admission to the Reception
- Conference bag
- 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 ID, is required

REGISTER EARLY AND $AVE!