



Middle East and Central Asia Aquaculture 2015

December 14-16, 2015

Olympic Hotel, Tehran, Iran

'Tapping New Markets in Aquaculture'

The First Middle East and Central Asia Aquaculture Conference will include several renowned aquaculture meetings and provide a truly international platform for academics, aquaculture experts and industry alike, to share knowledge, have peer engagements, meet with potential business partners and tap new markets in aquaculture.

Hosted by Iran Fisheries Science Research Institute (IFSRI) the meeting will incorporate the following events:

- **Asia Pacific Aquaculture 2015**
- **Middle East Aquaculture Forum 2015 Tehran**
- **International Shrimp Symposium**
- **2nd International Larviculture Conference in Iran**



International Shrimp Symposium 2015
SUSTAINABLE SHRIMP INDUSTRY



ISS
2015



PROGRAM TOPICS

Algal Aquaculture and Biology
Amphibian and Reptile Aquaculture
Animal Health & Welfare
Aquaponics and Integrated Aquaculture-Agriculture Systems
Arid land Aquaculture
Barramundi, Seabass & Seabream
Bio-floc Systems
Biosecurity
Biotechnology
Breeding & Genetics
Cage-culture
Catfish
Cobia
Coldwater Species - General
Crabs & Lobsters
Crayfish & Freshwater Prawn
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
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
Iranian Aquaculture Session
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
Sturgeon
Sustainable Development of Aquaculture
Tilapia
Tuna
Value Chain Development
Wastage Utilisation
Water Quality and Usage
Women in Aquaculture
Yellowtails, Amberjacks, etc
Zebrafish

THE FULL CONFERENCE REGISTRATION INCLUDES:

- ❖ Admission to all sessions, seminars and the trade show
- ❖ Admission to the Reception
- ❖ Conference bag, Abstract USB and Show Directory (except for spouse)
- ❖ Refreshment Breaks and Cash Bar Happy Hour
- ❖ The Student Rate will include the full conference package. To qualify for the student rate, a copy of your student I.D. is required.
- ❖ Only pre-registered attendees are guaranteed materials

*Stay in touch with the program developments for
MIDDLE EAST AND CENTRAL ASIA AQUACULTURE 2015
through our Web Page at: <http://www.was.org>*

CALL FOR PAPERS – DEADLINE: October 5, 2015

MIDDLE EAST AND CENTRAL ASIA AQUACULTURE 2015 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 Middle East and Central Asia Aquaculture 2015:

- 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.
- 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 projectors will not be available or allowed.

All presenters are required to pay their own registration, accommodation and travel expenses. MIDDLE EAST AND CENTRAL ASIA AQUACULTURE 2015 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.

- 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.
- 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 A4 paper (210mm x 297mm = 8.27" x 11.69") (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.
- 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.

2.5 cm margin

EVALUATION OF JUVENILE AUSTRALIAN RED CLAW CRAYFISH *Cherax quadricarinatus* FED PRACTICAL DIETS WITH AND WITHOUT SUPPLEMENTAL LECITHIN AND/OR CHOLESTEROL

Laura A. Muzinic*, Kenneth R. Thompson, Tracey Christian, Carl D. Webster, Lukas Manomaitis, and David B. Rouse

Aquaculture Research Center
Kentucky State University
Frankfort, KY 40601
lmuzinic@dcr.net

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 temperature range, and dissolved oxygen tolerance, and lack of a larval stage, red claw may be the best candidate for aquaculture in the United States. Red claw are only being investigated as an aquaculture species in this country. Very little information exists on their nutritional requirements and practical diet formulations. Since many crayfish require lecithin and cholesterol to be added to their diet, these two nutrients are usually added; however, lecithin and cholesterol are very expensive. Since diet costs can be as much as 30% of the total expenses for an aquaculture enterprise, it is imperative that the least expensive diet be used. The present study was conducted to determine if cholesterol and/or lecithin needs to be added to a practical diet for red claw crayfish.

An 8-week feeding trial was conducted in a recirculating system with newly-hatched juvenile (initial weight of 0.2 g) red claw, each stocked in individual plastic mesh culture units. Individual units were placed within fiberglass tanks, each on an individual water line. Water was recirculated through biological and mechanical filters. Water temperature was maintained at 27-29°C and light was provided by overhead fluorescent ceiling lights on a 12-hour light:dark cycle. Ammonia, nitrite, oxygen, temperature, alkalinity, chlorides, and pH were measured three times per week. The goal of the study was to examine the effects of growth performance of newly-hatched juvenile red claw when fed four practical diets with or without cholesterol and lecithin. Other practical diets included menhaden fish meal, soybean meal, shrimp meal, wheat flour, vitamin and mineral mix, pellet binder, cod liver oil, and 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.

2.5 cm margin

21 cm wide

PLEASE SUBMIT YOUR ABSTRACT ONLINE

www.was.org



REGISTRATION FORM

Middle East and Central Asia Aquaculture 2015 December 14-16



SAVE TIME – REGISTER ONLINE _ www.meaf.ae

- Register Online
- Please return **both sides** of this form with payment to one of the addresses above (depending on the currency used).
- Scanned Registrations can be sent to info@meaf.ae (**Please scan both sides**).
- Use one form per person. Please copy this form for additional people.
- Cancelled registrations will receive a refund minus 20% handling. Cancellations must be in writing and be received by November 15, 2015. Refunds will be issued after the conference.

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	Register by October 30, 2015	Register after October 30, 2015	* 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 In order to receive the pre-Registration discount rate, this form and payment must be received by the date above.			
ASSOCIATION MEMBER RATE	International <input type="checkbox"/> US\$ 375 Student <input type="checkbox"/> US\$ 50	Int'l <input type="checkbox"/> US\$ 425 Student <input type="checkbox"/> US\$ 75	
NON MEMBER RATE	International <input type="checkbox"/> US\$ 475 Student <input type="checkbox"/> US\$ 115	Int'l <input type="checkbox"/> US\$ 525 Student <input type="checkbox"/> US\$ 140	

TRADE SHOW PASS – Good for 3 days admission to exhibits only – Dec. 14, 15, 16 (Trade show pass is included with the Full Conference Registration)
 US\$ 10 **TOTAL TRADE SHOW PASS** US\$ _____

INDUSTRY TOURS – Information to come
US\$ _____

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

Do not mail registration after December 10, 2015.
After December 1, 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 MEAF 2015 without charges for the beneficiary.

Check # _____ Visa Mastercard
 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:
Middle East Aquaculture Forum Secretariat
+ 971 56 684 8080
P.O. Box 391186, Dubai, United Arab Emirates
registrations@meaf.ae – www.meaf.ae

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.

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> American Tilapia Association <input type="checkbox"/> American Veterinary Medical Association <input type="checkbox"/> AQUABIO <input type="checkbox"/> Aquaculture Association of Canada <input type="checkbox"/> Aquacultural Engineering Society <input type="checkbox"/> Aquaculture Association of Canada <input type="checkbox"/> Aquaculture Without Frontiers <input type="checkbox"/> Asian Fisheries Society <input type="checkbox"/> Asian-Pacific Chapter WAS <input type="checkbox"/> California Aquaculture Association <input type="checkbox"/> Catfish Farmers of America <input type="checkbox"/> China Society of Fisheries <input type="checkbox"/> Egyptian Aquaculture Society <input type="checkbox"/> European Aquaculture Society <input type="checkbox"/> Fish Culture Section - AFS <input type="checkbox"/> Global Aquaculture Alliance <input type="checkbox"/> Indonesian Aquaculture Society <input type="checkbox"/> International Assn of Aquaculture Economics and Mgmt <input type="checkbox"/> IAFI – The Intn'l Assn of Seafood Professionals | <ul style="list-style-type: none"> <input type="checkbox"/> Korean Aquaculture Society <input type="checkbox"/> Korea Chapter, WAS <input type="checkbox"/> Latin American & Caribbean Chapter WAS <input type="checkbox"/> Malaysian Fisheries Society <input type="checkbox"/> National Aquaculture Association <input type="checkbox"/> National Aquaculture Council of Australia <input type="checkbox"/> National Association of State Aquaculture Coordinators <input type="checkbox"/> Sociedad Brasileira de Acuicultura <input type="checkbox"/> Society of Aquaculture Professionals <input type="checkbox"/> Spanish Aquaculture Association <input type="checkbox"/> Sociedad Brasileira de Acuicultura <input type="checkbox"/> Striped Bass Growers Association <input type="checkbox"/> US Marine Shrimp Association <input type="checkbox"/> US Chapter of WAS (USAS) <input type="checkbox"/> US Trout Farmers Association <input type="checkbox"/> World Aquaculture Society (WAS) <input type="checkbox"/> World Aquatic Veterinary Medical Association <input type="checkbox"/> World Oyster Society <input type="checkbox"/> Zebrafish Husbandry Association |
|--|--|

MEMBERSHIP APPLICATIONS 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 1100/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.

Fees for memberships are non-refundable.

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

Total Amount for WAS Membership USD _____

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



Iranian Fisheries Science Research Institute (IFSRI)

Fisheries research and studies activities of the I.R. of Iran in territorial waters of north, south and inland waters, goes back to 80 years ago. These activities were further expanded during the last 35 years. In 2003, following changes in the organizational set up and approval of the Higher Education Board, they were affiliated to the "Agricultural Research and Education Organization" of the "Jihad-e-Agriculture Ministry".

Aims and Goals of IFSRI

The main objectives and aims of IFSRI are as follows:

- a) To develop and expand research in different fields of fisheries sciences
- b) To develop applied research in aquaculture
- c) To conduct scientific and applied research on aquatic habitats in order to conserve and restore stocks and for the sustainable yield of aquatic bio – resources
- d) To improve and enhance quality and variety of fisheries products
- e) To apply biotechnological techniques to produce biological products improve their quality and quantity in terms of health and diseases
- f) Identification, conservation and rehabilitation of fisheries stocks and sensitive ecosystems

The IFSRI has 13 research centers in different parts of Iran and its headquarter operates through six research and scientific departments, providing scientific and technical support in the fisheries activities, which are:

- 1- Aquaculture Scientific Department
- 2- Ecology of Aquatic Resources Scientific Department
- 3- Biology and Stock Assessment Scientific Department
- 4- Biotechnology and Aquatics Products Processing Scientific Department
- 5- Aquatics Health and Diseases Scientific Department
- 6- Socio-Economics Studies Scientific Department



MANY OPPORTUNITIES FOR FARM TOURS

Text to Come



FOR MORE INFORMATION:
MIDDLE EAST and CENTRAL ASIA
AQUACULTURE 2015
Conference Manager

contact:

info@meaf.ae

or

mario@marevent.com



TENTATIVE SCHEDULE

Sunday, December 13

Registration Open	14:00 - 17:30
Exhibitor Move-in	8:00 - 20:00
Poster Set-up	14:00 - 17:30
Opening Ceremony	17:00 - 18:00
Welcome Reception	18:00 - 20:00

Monday, December 14

Registration Open	8:00 - 17:00
Plenary Session.....	9:00 - 10:30
Exhibitor Move-in	8:00 - 10:00
Poster Set-up	8:00 - 10:00
Refreshment Break	10:30 - 11:00
Trade Show & Posters Open	10:30 - 18:00
Sessions	11:00 - 13:00
Lunch.....	13:00 - 14:20
Sessions	14:20 - 17:00
Happy Hour.....	17:00 - 18:00

Tuesday, December 15

Registration Open	8:00 - 17:00
Sessions	9:00 - 10:30
Refreshment Break	10:30 - 11:00
Sessions	11:00 - 13:00
Trade Show.....	10:30 - 18:00
Lunch.....	13:00 - 14:20
Sessions	14:20 - 17:00
Happy Hour & Posters.....	17:00 - 18:00

Wednesday, December 16

Registration Open	8:00 - 15:00
Sessions	9:00 - 10:30
Trade Show.....	10:30 - 16:00
Refreshment Break	10:30 - 11:00
Sessions	11:00 - 13:00
Lunch.....	13:00 - 14:20
Sessions	14:20 - 17:00
Exhibitor Move-out	16:00 - 22:00

REGISTER EARLY AND \$AVE!