

8th BFRF Biennial Conference 2018

Bangladesh Fisheries Research Forum (BFRF) is going to organize 8th Biennial Conference & Research Fair 2018 on 30-31 March 2019 in BARC, Farmgate, Dhaka.

Please submit your abstracts for oral and poster presentation.

Each oral presenter shall be entitled to no more than 12 minutes for a presentation, plus 3 minutes for questions. Presenters should use PowerPoint, Overhead projectors and Video players will not be available or allowed. Please mention your submitted abstract is for oral/poster presentation.

INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

Expanded Abstract Format - Please refer to the sample.

- 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.
- 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 8.5 x 11 inch 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. The reduced figures and tables should be included in the abstract in camera-ready form.

1 inch margin (2.54 cm)

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 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 and information exists on their nutritional requirements and practical diet formulations. In many crustaceans, 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 70% of the total expenses for an aquaculture enterprise, it is imperative that the least expensive diet be developed that meets the nutrient requirements of the species. The present study was conducted to determine if cholesterol or lecithin needs to be added to a practical diet for red claw crayfish.

An 8-week feeding trial was conducted in a recirculating water system with newly-hatched juvenile (mean body weight of 0.2 g) red claw, each stocked in a 100 L plastic mesh culture units. Individual units were housed within fiberglass tanks, each containing a 100 L water line. Water was recirculated through biological and mechanical filters. Water temperature was maintained at 27-29°C and lighting was provided by overhead fluorescent ceiling lights on a 12-hour light-dark cycle. Ammonia, nitrite, nitrate, pH, oxygen, temperature, alkalinity, chloride, and conductivity were measured three times per week. The growth trial 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.

1 inch margin (2.54 cm)

8.5 inches wide (21.6 cm)

Please submit your abstract (soft copy) by March 11, 2019 to abstract.bfrf@gmail.com

8th BFRF Biennial Conference 2018

Bangladesh Fisheries Research Forum (BFRF) is going to organize 8th Biennial Conference & Research Fair 2018 on 30-31 March 2019 in BARC, Farmgate, Dhaka.

Your are invited to participate in the poster presentation session .

POSTER PREPARATION GUIDELINES

1. The posters should be no larger than 4 feet (122 cm) height x 3 feet (91.5 cm) width.
2. Your posters should be a stand-alone visual representation of your submitted abstract.
3. The title of your poster should be the same as the abstract and author names should be included.
4. The poster should be readable from up to 2 meters and aesthetically pleasing.
5. 48 to 60 point font size is recommended for headings and 24 to 32 point font size for the content.
6. Text should be concise and easy to read.
7. Enhance your message with colour and pictures by presenting results and concepts graphically.
8. Figures should not be larger than 12 cm x 18 cm and all figures require short, informative captions.
9. You need to hang your poster at the evening of **29.03.2019** at the space allocated (the front corridor of BARC Auditorium). Please bring gum, pin, clips etc.