

Review Form 1.7

Journal Name:	Asian Journal of Fisheries and Aquatic Research
Manuscript Number:	Ms_AJFAR_109724
Title of the Manuscript:	Commonly Practiced Induced Breeding Techniques of Carp Species in Three Important Fish Hatcheries of Kurigram District, Bangladesh
Type of the Article	Original Research Article

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes</p> <p>it should be relavent to the study, title must be corrected.</p> <p>Yes</p> <p>Yes</p> <p>Needs substaintial changes</p> <p>Additional recent reference must be added.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The study was carried out to investigate the induced breeding practices and variations in effective hormone dosage used in induced breeding procedures in three different fish hatcheries of Kurigram District of Bangladesh.</p> <ol style="list-style-type: none"> Authors need to explain the reasons for the consideration of 3 fish hatcheries in a same district. Is there any climatic/ water quality difference between these hatcheries? The role of induced breeding hormones in a same fish species shall not varry unless there is the difference in the environmental factors/ brood fish age, health etc. Authors need to explain the requsite sample size which is missing in the methodology section that was taken under experimentation... Questionare? To investigate the induced breeding practices and variations in effective hormone dosage used in induced breeding procedures one has to set up the experimental design, proper statistical analysis including the required number of replicates per treatment. Considering this thing authors can change the title of manuscript as the Production performance between the 3 hatcheries of a single District. <p>?? Statistical analysis is missing?</p> <p>3.1 Brood Stock Collection</p> <p>-Broods were primarily collected from natural sources such as different lakes, rivers, haors, baors, beels, jheels etc. The optimal time for brood collection usually falls between November to March. In this study, the hatcheries' broodstock sources are different (Table 1).</p> <p>6.If the authors have collected fishes from different sources then its evident the breeding performance of the fishes will varry between pond reared and wild catch. The study should better focus on the differences in the breeding performances between the wild caught and cultured fishes.</p> <p>7. Authors have not mentioned the fecundity of the fish species... The initial number of eggs are also not mentioned then the results of estimation of fertilization rates, hatching rates seems inappropriate, thus the authors need to mention in a tabular form the initail eggs under experimentation and the final number of eggs fertilized or hatched should be done likewise.</p> <p>8. In subsection 3.5 Stripping: Authors should mention the type of fertilization whether dry or wet method was carried out in order to fertilize eggs.</p>	

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	<p>In the same section the authors must correct the grammatical errors as it does not make sense with the relevant topic.</p> <p>9. Authors have mentioned the reference of Aktar <i>et al.</i>, 2015 reported that the incubation period varies ranging from a minimum of 12 to a maximum of 72 hours. My question is that is this period for warm water fishes or cold water fishes or both. As per my knowledge its different and the authors should mention it as species specific.</p> <p>?? Fig 7. Hatchlings produced in M. Hossain hatchery. Authors must put clear images clicked from a high resolution camera and must mention the name of the species in the fig 7. ????. Sub section 3.7: ovulation rates estimation formula needs a proper reference. Kindly recheck the formula and mention the reference to all the estimated rates (Fertilization, Hatching, Ovulation).</p> <p>12. Conclusion seems like recommendations, the authors are asked to mention the conclusion of this study as per the analysis done and recommendations can be written in the other paragraphs however, authors can make recommendations after properly analysing the data with statistical support as it may lead to negative impacts on the future researchers with respect to the significance level of the study.</p>	
<p>Optional/General comments:</p>	<p>It seems that authors have worked hard in the completion of the study however, needs some statistician and guide for better drafting and analysis.</p>	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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<p>Department, University & Country</p>	<p>SKUAST, India</p>