



SDI FINAL EVALUATION FORM 1.1

xPART 1:

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_41674
Title of the Manuscript:	ALTERATIONS IN STEROID SEX HORMONES (17 β estradiol and testosterone) OF <i>Clarias gariepinus</i> EXPOSED TO DIFFERENT SUB-LETHAL CONCENTRATIONS OF CYPERMETHRIN
	ALTERATIONS IN STEROID SEX HORMONES (17 β estradiol and testosterone) OF <i>Clarias gariepinus</i> EXPOSED TO DIFFERENT SUB-LETHAL CONCENTRATIONS OF CYPERMETHRIN
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>This issue numbered as 2 was not adequately answered as this reviewer wanted to be sure that the hormonal changes were exclusively from cypermethrin not any contaminant in the IMPURE cypermethrin used as reported in the reviewed commentary. Its common practise under analytical chemistry to use certified analytical reagents of highest possible purity to rule out CONFOUNDERS.</p> <p>IF THE WATER USED TO REPLENISH THE AQUARIUMS IS FROM THE RIVER, I EXPECT SOME TEST IS DONE TO CONFIRM THAT THERE IS NO ENDOCRINE DISTRUPTOR OR ELSE THE ISSUE OF FALSE POSITIVES WILL ARISE</p> <p>1) Preparation of working solutions of cypermethrin needs to be clear as nothing about the purity of the cypermethrin is indicated. And what was the concentration of this stock solution?</p> <p>I can see that the graphs are still not having proper axes.</p> <p>IF NOTHING IS DONE, CAN THE AUTHOR PUT A DISCLAIMER IN TERMS OF LIMITATIONS OF THIS STUDY THAT THEY DIDN'T OBTAIN PURE CYPERMETHRIN (PURE ENOUGH TO BE USED AS AN ANLYTE CAUSING HORMONAL CHANGES?)</p>	<p>The comments was not very clear before now, but I understand now what you meant. The purity of the cypermethrin has now been added to the stock solution preparation section. The cypermethrin was indeed pure, having 96.8% purity. Check revised manuscript.</p> <p>The water used for the experiment is a well-treated borehole water and not the river water. Also, there was a control group which formed the basis of the comparison. The type of water used have now been included in the revised manuscript. The control group gives an evidence that the endocrine disruption observed were actually from the cypermethrin.</p> <p>The purity of the cypermethrin and the concentration of the stock solution have now been added, check revised manuscript.</p> <p>The axis of the graph is due to the fact that the software used for the plotting represents axis in that format, but the scales and bars are well represented.</p> <p>Pure cypermethrin with 98.8% purity was used for this study, and as shown by the decreasing trend of the steroid sex hormones caused the hormonal changes, which is proven when compared to the control group.</p>