

Review Form 1.6

Journal Name:	Asian Journal of Fisheries and Aquatic Research
Manuscript Number:	Ms_AJFAR_78517
Title of the Manuscript:	Maximum sustainable yield estimates from Lake Nasser fisheries, Egypt with special reference to Nile tilapia <i>Oreochromis niloticus</i> using ASPIC software
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajfar.com/index.php/AJFAR/editorial-policy>)

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)
Compulsory REVISION comments	<p>This is an excellent research paper on the Lakes district fisheries in Egypt. I just have a few comments:</p> <ol style="list-style-type: none"> 1. Very often the official catch statistics do not reveal the by-catch problem. For example, the tilapia catch statistics may involve other species not recorded properly or recorded as "unofficial" or "others". The whole fisheries eco-system depends on all species being in healthy numbers, not just tilapia alone. 2. This brings us to the "unofficial catch" problem. Many catch landing sites are outside the authorities' control. Even when authorities are in control, they may not be qualified to identify the catch. This really exacerbates the already very high catch volume (much higher than the model MSY). 3. This then brings us to the last point about the model MSY based on the Schaefer surplus production model. Consider the recent improved surplus production model by Rankin and Lemos "An alternative surplus production model", Ecological Modelling, October 2015. The authors derive Bayesian prior densities for all model hyperparameters (carrying capacity, catchability, growth rate and error variance), as well as the state (annual stock biomass). They then compare the Schaefer, Fox and Pella–Tomlinson models to see if their method can improve the accuracy. 	
Minor REVISION comments		
Optional/General comments		

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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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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