



**SDI Review Form 1.6**

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|--------------------------|--------------------------------------------------------------------------|
| Journal Name:            | <a href="#">Journal of Advances in Mathematics and Computer Science</a>  |
| Manuscript Number:       | <b>Ms_JAMCS_35296</b>                                                    |
| Title of the Manuscript: | <b>SEIRS MODEL FOR PEDIATRICS WITH LOWER RESPIRATORY TRACT INFECTION</b> |
| Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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) |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>1. The condition <math>I = 0</math> in section 4.2 was imposed. Equations (3.1)-(3.4) should be solved simultaneously to get the infection free state, for example</p> <p>From (3.3), we obtain</p> $E = \frac{(\mu + \nu)I}{\sigma}$ <p>So substituting for E in equation (3.2) yields</p> $\beta SI - \frac{(\mu + \nu)I}{\sigma} - \mu \left[ \frac{(\mu + \nu)}{\sigma} \right] I = 0$ <p>from the above equation I can be factored out</p>                                        | I agreed with the reviewer, all the corrections pointed out in the manuscript had been made                                                                                   |
| <b>Minor</b> REVISION comments      | <p>2. WHO, 2010 in section "1.0 Introduction" should read WHO, (2010). This correction should be done for WHO, (2014).</p> <p>3. Ahmed <i>et al.</i>(2015) and not Ahmed et al. 2015</p> <p>4. The first line under section 4.2 should read " At equilibrium" we have</p> <p>5. The basic reproduction number should be properly computed using the next generation method.</p> <p>6. The references should be properly done using the recommended referencing style in your journal.</p> | I agreed with the reviewer, all the corrections pointed out in the manuscript had been made                                                                                   |
| <b>Optional/General</b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                               |