



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_35296
Title of the Manuscript:	SEIRS MODEL FOR PEDIATRICS WITH LOWER RESPIRATORY TRACT INFECTION
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)
Compulsory REVISION comments	Rewrite abstract to contain, the aim and purpose of the work, methodology and summary of the results. From the single age class SEIRS model, the birth rate and the death rate are the same. This is not to be so, hence use different symbol for death rate. This will in turn alter equations (2.1) – (2.4) and subsequently other equations relating to them will have to be reviewed and changed. Rewrite conclusion to include, main findings and results of the study.	
Minor REVISION comments	The paper “Modified mathematical model for malaria control by A. O. Muhammed and P. E. Orukpe in International Journal of Applied Biomedical Engineering Thailand, Vol. 7, No. 1, 2014, pp. 1-10” should be cited in this work because SEIRS model was used and applied to malaria control. The steps that are necessary to obtain S_E, E_E and R_E on page 5 should be presented with the assumptions made. In section 4.3, which equations gave rise to the Jacobian matrix and where did you get λ (make it different from eigenvalue if not the same) from, as it was not listed in the parameters presented in table 3.0. In the first sentence on page 6, eigenvalues should be used instead of “eigen valves”. The equation for λ_1 should be inserted. λ_2 has the negative sign in the square root omitted. $\lambda_2 \neq \lambda_3$, use the appropriate equation for λ_2. Local stability for endermic equilibrium on page 7 should be tagged section 4.4. How were the equations for S_E, E_E, I_E and R_E obtained from other equations presented previously. I noticed that I_E on page 7 is same as R_E on page 5, while R_E on page 7 has a different equation from that on page 5, why? - Check through equations and correct	
Optional/General comments	All figures should be labelled and referred to in text. All equations should be numbered and referred to in text. All equations should be checked properly for errors as	



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	some brackets are misplaced. Read through the work again to make corrections to minor grammatical errors. Use figure 4.2 and figure 4.3 not figure 4.2a and figure 4.2b Use “In conclusion” and not “To conclude” in the conclusion section. In the reference section, remove the numbering since Harvard style of referencing was used in text. The first reference, should be corrected to read – Ahmed P. A., Yusuf K. K. and Dawodu A. “Childhood acute” Niger Journal of Paediatrics, 42(3), pp. 188-193	
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Reviewer Details:

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