

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_111111
Title of the Manuscript:	Oscillatory Solution of a Convolutional Volterra Integral Equation
Type of the Article	

## Review Form 1.7

### 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  1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)  2. Is the title of the article suitable? (If not please suggest an alternative title)  3. Is the abstract of the article comprehensive?  4. Are subsections and structure of the manuscript appropriate?  5. Do you think the manuscript is scientifically correct?  6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.  (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)		
<b>Minor</b> REVISION comments  1. Is language/English quality of the article suitable for scholarly communications?		
<b>Optional/General</b> comments	<p>Oscillatory Solution of a Convolutional Volterra Integral Equation</p> <p>The authors presented the convolutional Volterra integral equation can exhibit oscillatory or non-oscillatory behavior, depending on the characteristics of the function within the integral</p> <p>Overall work is good. I recommend this work for publication with minor revision, provided the following modifications/observations/corrections, etc.:</p> <ol style="list-style-type: none"><li>Citation 1 is repeated again and again, author should remove it.</li><li>Authors should explain the basic of Convolutional Volterra Integral Equation.</li><li>What is the relation between Convolutional Volterra Integral Equation and mathematical biology.</li><li>In result and discussion part<ol style="list-style-type: none"><li>Author should check the condition for stability</li><li>Author should check the condition for non-stability, See the paper:  Kumar, P. Delay differential equation model of forest biomass and competition between wood-based industries and synthetic-based industries. <i>Mathematical Methods in the Applied Sciences</i>.</li></ol></li><li>In theorem 3.1, term is missing <math>K \in \square</math></li></ol>	<p>Points 1 to 3 are addressed as highlighted in yellow.</p> <p>For point 5, since we have already stated that the function is bounded, the <math>K \in \square</math> can be omitted but rather be specified in the proof as indicated in the work.</p> <p>Points 4, 5, and 6 are good suggestions but the goal of this study was to establish the oscillatory solution of the convolutional Volterra integral equation through mathematical proofs. The suggestions will be implemented in the second aspect of the study when we are considering the numerical stability of the integral equation.</p>

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	<div>6. Author should also draw the graphical representation of bounded, unbounded, and oscillation, regarding this author should see the paper:</div> <div>7. Author also mentions the condition where the system is bounded, oscillation, and unbounded, see the paper</div> <div><a href="https://doi.org/10.1016/j.chaos.2023.113457">https://doi.org/10.1016/j.chaos.2023.113457</a></div>	
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PART 2:

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