

## Review Form 1.6

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_83278
Title of the Manuscript:	Exact solutions of second-order fractional Fredholm integro-differential equations
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.journalarjom.com/index.php/ARJOM/editorial-policy> )

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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><b>Reviewer's Comments</b>            In my view, the paper generally is based on some classical well-known results related to the exact solution of Fredholm equations.            In the recent literature, there are a huge number of papers on the analytical as well as numerical solutions of Fredholm equations of various kinds based on different methods but not shown in the Introduction part.            The paper is of poor quality and the methods used do not seem very adequate.            After reading the manuscript carefully, there are the following main concerns:            1-The Abstract should be little more correlative.            2- Keywords must be different from those used in the title.            3- Authors should rewrite the Introduction part.            4- There are some typos (e.x. preliminaries must be Preliminaries, also second-order fractional Fredholm integro-differential must be fractional Fredholm integro-differential, in Eq. (1) b1 must be 0).            5-The method should be little more correlative, authors should explain the direct method in the new section after Preliminaries.            6- Since initial value problems models are in common use therefore it is important to highlight applications of such models by citing the following papers:            * THE APPROXIMATE SOLUTIONS OF FRACTIONAL VOLTERRA-FREDHOLM INTEGRO-DIFFERENTIAL EQUATIONS BY USING ANALYTICAL TECHNIQUES, Probl. Anal. 25 (1), 41-58.            *Usage of the homotopy analysis method for solving fractional Volterra-Fredholm integro-differential equation of the second kind, Tamkang Journal of Mathematics 49 (4), 301-315.            *The Approximate Solutions of Fractional Integro-Differential Equation by Using Modified Adomian Decompostion Method, Khayyam Journal of Mathematics 5 (1), 21-39, 2019.            *Modified Laplace decomposition method for fractional Volterra-Fredholm integro-differential equations, Journal of Mathematical Modeling 6 (1), 91-104.            *SOLVING FREDHOLM INTEGRO-DIFFERENTIAL EQUATIONS BY USING NUMERICAL TECHNIQUES, Nonlinear Functional Analysis and Applications 24 (3), 533-542.</p> <p>7- Authors should also include a paragraph to show applicability of the approach they have devised.            8- Future recommendations should be added to assist other researchers to extend the presented research analysis.</p> <p>After the above modifications are done, it can be published.</p> <p>With best regards.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

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

As per the guideline of editorial office we have followed VANCOUVER reference style for our paper.

**Kindly see the following link:**

<http://sciencedomain.org/archives/20>

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