



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_34324
Title of the Manuscript:	Hybrid Orthonormal Bernstein and Block-Pulse Functions for solving Volterra- Fredholm integral equations
Type of the Article	Data 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.

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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>In this study, author(s) have been worked on solution of linear Volterra-Fredholm integral equations with the Bernstein polynomials and the Block-Pulse functions defined on the interval <math>[0,1]</math>. They have used properties of the Bernstein polynomials as hybrid and orthonormal for proposed method. When I analyzed the part of the introduction, lots of studies have been revealed by considering Block-pulse functions with different functions, except the Bernstein polynomials. The proposed method has been explained in detail. Then, the method has been applied two linear Fredholm-Volterra integral equations by considering values just <math>M=4</math>, <math>n=3</math> and <math>M=2</math> and <math>n=1</math>. I couldn't see if we take these values different, how the numerical results are changed. Moreover, the numerical results have been compared with just analytical solutions. In the first example, the results are efficiency, despite this, in the second example, the results and figure have not been seen well. Although the author(s) have mentioned lots of similar methods into the introduction, they have not compared the results of proposed method with other different methods. Also the author(s) have presented numerical applications of integral equations in the part of the introduction, they have not considered any model of integral equations in the examples. Finally 147<sup>th</sup> index, I couldn't see references as Chen et al. So the author(s) may check the references again.</p> <p><b>Ethical Issue:</b> Having looked at google academic, the paper titled 'Hybrid Orthonormal Bernstein and Block-Pulse Functions for solving Fredholm integral equations' has been presented in 'Proceedings of the World Congress on Engineering 2013'.</p>	Ok
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		