

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_107515
Title of the Manuscript:	A Numerical Approximation of the Stochastic Ito-Volterra Integral Equation
Type of the Article	

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1-The manuscript entitled "Numerical Approximation of the Ito-Volterra Stochastic Integral Equation" addresses the problem of finding a numerical solution of a certain type of stochastic integral equation. The authors propose a method that uses an explicit finite difference system and Bernstein polynomials as empirical functions to approximate the solution. The method was tested and compared with other methods in the literature.</p> <p>The importance of a manuscript to the scientific community depends on various factors, such as the importance of the problem addressed, the novelty of the proposed method, and the potential impact of the results. Stochastic integral equations have applications in various fields, including mathematical finance, physics, engineering, and others. Therefore, research on numerical methods for solving such equations can be valuable to researchers and practitioners in these fields.</p> <p>2-The topic name is appropriate 3- Yes, the article summary is appropriate 4.yes, subsections and structure of the manuscript appropriate 5.yes, the manuscript is scientifically correct. 6-ok</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	yes	
<p>Optional/General comments</p>	<p>1-Please increase the number of recent references 2-Add more examples if possible</p>	

PART 2:

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

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