



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_19199
Title of the Manuscript:	Indirect RBF for High-Order Integro-Differential Equations
Type of the Article	Original research papers

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>)



SDI Review Form 1.6

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	In this paper, Two different approaches based on Radial Basis Functions (RBF) is presented solve high-order integro-differential equations (IDEs). First method is based on differentiation, and considers the solution as a finite linear combination of RBFs. Second method is based on integration and considers the highest order derivative of the solution as a finite linear combination of RBFs. Application of these methods are given in by examples and also, they are compared in themselves. This paper is seen well. But which of these is effective? Effective method of them should be commented in text for figures and tables. Also, I have observed that numerical solutions of integro differential equations by using Radial basis functions were studied in the following paper: Radial basis function networks in the numerical solution of linear integro-differential equations, Applied Mathematics and Computation Volume 188, Issue 1, 1 May 2007, Pages 427–432. This paper have not cited in text. Authors should cite this paper in introduction part. Radial basis function papers should be scanned in literature well. And also should written differences and relations between them.	Thank you very much for the times that you spent for me. Results of IRBF and RBF method were compared in Conclusion and effectiveness of IRBF was mentioned. Also in the Introduction, the RBF method was added as a tool for solving first-order IDEs and the related references were inserted.



SDI Review Form 1.6

	If they are different, comparison of them should be compared. Before this paper is published, the corrections should be made. Please clarify the ethical issues: I have observed that numerical solutions of integro differential equations by using Radial basis functions were studied in the following paper: Radial basis function networks in the numerical solution of linear integro-differential equations, Applied Mathematics and Computation Volume 188, Issue 1, 1 May 2007, Pages 427–432. This paper have not cited in text.	This reference was inserted in the introduction.
Minor REVISION comments		
Optional/General comments		