J. K. Press

Journal Name:	Asian Journal of Mathematics and Computer Research
Manuscript Number:	Ms_AJOMCOR_11933
Title of the Manuscript:	**Investigation Accuracy of Crank Nicolson Methods and Its Modifications Scheme for One-Dimensional Linear convection-reaction-Diffusion Equations**
Type of the Article	**Original Research Article**

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1: Review Comments

	Reviewer's comment	Author's feedback
Compulsory REVISION comments **1. Is the manuscript important for the scientific community?** **(Please write a 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 suggestions for additional references, please mention them in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	In the manuscript "Investigation Accuracy of Crank Nicolson Methods and Its Modifications Scheme for One-Dimensional Linear convection-reaction-Diffusion Equations" the authors proposed Crank-Nicolson and Its Modification scheme are applied to find the solution of the convection-reaction-diffusion equation. I recommend the following changes 1. The abstract is too lengthy. Modify the same. 2. The presentation of the paper is poor especially English part. 3. Add gap and motivation of the work. 4. The following refs are very related to the proposed work, it is advised to add in the revised work (a) A cubic B-spline quasi-interpolation algorithm to capture the pattern formation of coupled reaction diffusion models,Engineering with Computers, (2021) doi.org/10.1007/s00366-020-01278-3. (b) local radial basis function differential quadrature semidiscretisation technique for the simulation of time-dependent reaction-diffusion problems, Engineering Computations, (2021) DOI 10.1108/EC-05-2020-0291 (c) A finite element approach for analysis and computational modelling of coupled reaction diffusion models, Numerical Methods for Partial Differential Equations, 35 (2) (2019) 830-850.	

	(d) Numerical simulation for computational modelling of reaction-diffusion Brusselator model arising in chemical processes, Journal of Mathematical Chemistry, 57 (2019) 149-179. (e) Numerical simulation to capture the pattern formation of coupled reaction-diffusion models, Chaos, Solitons & Fractals, 103 (2017) 422-439. 5. Modify the conclusion part. Just keep output of the work 6. Why not convergence of the work has been discussed? 7. What is the order of convergence of the method. Add in the tables.	
Minor REVISION comments **1. Is the language/English quality of the article suitable for scholarly communications?**		
Optional comments		

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?	*(If yes, Kindly please write down the ethical issues here in details)*	

I. K. Press

Reviewer Details:

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