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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_15230
Title of the Manuscript:	The Optimal homotopy analysis methods for solving the linear and non-linear Fokker-Planck 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:

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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)
<u>Compulsory</u> REVISION comments	The Optimal homotopy analysis methods for solving the linear and non-linear Fokker-Planck equations Subject: MS: 2014_BJMCS_15230 It is a very interesting paper. I have checked all solution procedure and results; solution procedure is new, accurate and easy to understand for the people. In this paper authors are using optimal homotopy asymptotic method for analytical solution of well-known Fokker plank equations. The Fokker plank equations arises in various fields in natural science, including solid-state physics,	First of all thank you Sunil Sir for reviewing our article. 1. Sir we try to improve abstract, introduction and also removed that mathematica software word. 2. Actually Sir, from mathematica coding we got exact solution of example 1. And in second example we get series solution. And for the comparison we put the references. By ADM, VIM and HPM they not make numerical table. 3. We also observed that the graphical representation of graphs is not meaningful. So we removed that graphs. We took only two graphs of residual error part.



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	quantum optics, chemical physics, theoretical biology, and circuit theory. The proposed scheme finds the solutions without any discretization or restrictive assumptions and is free from round-off errors and therefore reduces the numerical computations to a great extent. The work is very useful. 1. Try to improve whole abstract of paper. 2. There is no need to write “The mathematical calculation and graphics have been obtained by MATHEMATICA software.” In abstract. 3. Improve introduction of paper.	4. We cited your valuable reference, and also got idea about Homotopy Analysis Transform method.
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	4. Authors have written in abstract that “comparisons are made” but there is no comparisons shows between solutions in whole manuscript. Please clarify? 5. Authors shows comparison between results by tables obtained by different methods as mention in abstract. 6. Graphical representation of graphs are not meaningful. So try to improve figures 1,2,4,5. 7. For clarification, authors send me mathematical file of figures 1,2,4,5. 1. Author must be cited these papers for	
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	better presentation of paper. i. Sunil Kumar, A new analytical modelling for telegraph equation via Laplace transform, <i>Applied Mathematical Modelling</i>, 38(13), 3154–3163 (2014) ii. Sunil Kumar, A Numerical Study for Solution of Time Fractional Nonlinear Shallow-Water Equation in Oceans, <i>Zeitschrift fur Naturforschung A</i>, 68 a, 1-7, (2013) iii. Sunil Kumar, Numerical	
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	Computation of Time-Fractional Fokker–Planck Equation Arising in Solid State Physics and Circuit theory, <i>Zeitschrift fur Naturforschung</i>, 68a, 1-8 (2013) (2013) iv. Sunil Kumar, Mohammad Mehdi Rashidi, New Analytical Method for Gas Dynamics Equation Arising in Shock Fronts, <i>Computer Physics Communications</i>, 185 (7), 1947–1954, 2014 Sunil Kumar, Mohammad Mehdi Rashidi, New Analytical Method for Gas Dynamics Equation	
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	Arising in Shock Fronts, Computer Physics Communications, 185 (7), 1947–1954, 2014	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		