



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_30928
Title of the Manuscript:	Semilocal Convergence Newton Method Applied to Kepler Equation: New Results
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
Compulsory REVISION comments	1) The Title “Semilocal Convergence Newton Method” could be slightly modified as “Semilocal Convergence of Newton Method” 2) There are too many typographical errors. The reader could lose interest. Infact, the abstract seems to mislead. Noting few : 1) 3^d line in abstract “Smale an the” should be “Smale and the” 2) 4th line in the abstract “They” is improper. Could be replaced by “one” 3) 6th line in the abstract, remove the line “It is quite common in the mathematical literature, but not the only” 4) 7th line in the abstract “It” should be “it” 5) 9th line in the abstract, comma after Table1 6) 12th line in the abstract “depending of” should be replaced by “depending on” 3) In Introduction, paragraphs are repetitive. Shows immature presentation. 8) Spaces and commas are to be taken care. 9) The comparison table 1, in page 9 , the majorizing functions presented for Gutierrez and Smale's theory are confusing with equation (2.6) and (2.16)	The authors agree with the reviewer, so we have made the suggested improvements.
Minor REVISION comments	Thorough spelling check has to be done throughout the article. For example in the references, Ostrowski, M-A. (1966). Solution of Equations and Sistems of Equations. Academic Press.	The authors agree with the reviewer, so we have made the suggested improvements.



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	Sistems should be systems.	
<u>Optional/General</u> comments	The authors do a comparison of the increasing functions of the Kantorovich, Gutierrez Theorem, Smale's alpha theory and Wang-Zhao's alpha theory, applied to the Kepler equation, depending on the points $E_0 = M$ and $E_0 = \pi$ and their respective parameters δ , using Newton Raphson method. The work is good and I recommend of the article if presentation is improved along with typographical errors.	The authors agree with the reviewer.