



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_30543
Title of the Manuscript:	Trigonometric Solutions of the Lane-Emden Equation
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>)



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)
<u>Compulsory</u> REVISION comments	1. It is undoubtedly true that Lane-Emden equation has exact analytical solution at $m=0, 1$ and 5. The solutions can be found in literature or even on google search, see for example: Analytic Solutions of the Lane-Emden Equation http://www.nicadd.niu.edu/~bterzic/PHYS652/Lecture_23.pdf Exact solution of Emden Equation https://en.wikipedia.org/wiki/Lane%E2%80%93Emden_equation#For_n_3D_0 Lane-Emden Differential Equation (Wolfram Web Resources) http://mathworld.wolfram.com/Lane-EmdenDifferentialEquation.html 2. The author(s) should mention in the abstract or through the paper, what is the advantage of his approach over that already published. Also comparison should be done. 3. Seeking approximate analytical solutions to Lane-Emden equation for polytropic indices different from $0, 1$ and 5 is important in astrophysics.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Reviewer Details:

Name:	A. S. Saad
Department, University & Country	Dept. of Mathematics, Qassim University, Saudi Arabia