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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_12737
Title of the Manuscript:	Trans-Sasakian Manifold Admitting Quarter Symmetric Metric Connection
Type of the Article	Research Article

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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.

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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	The paper is well written and a very easy straight forward calculation. However, there are several points should be developed into the paper: (A) In page 1, trans-Sasakian manifolds have been studied also: (1) M. H. Shahid, Some results on anti-invariant submanifolds of a trans-Sasakian manifold, Bull. Malaysian Math. Sci. Soc., 27 (2004), 117-127. (2) A. A. Shaikh and S. K. Hui, On weak symmetries of trans-Sasakian manifolds, Proc. of Estonian Academy of Sciences, 58 (2009), 213-223. (3) S. K. Hui, On weak concircular symmetries of trans-Sasakian manifolds, Cubo A Math. J., 13 (2011), 141-152. (4) S. Deshmukh and M. M. Tripathi, A note on trans-Sasakian manifolds, Math. Slovaca, 63 (2013), 1361-1370. The author(s) are requested to incorporate the above references. (B) In page 2, the notion of local symmetry is not defined. It is necessary. Also in a paper (S. K. Hui, On α-pseudo symmetric Kenmotsu manifolds with respect to quarter symmetric metric connection, Applied Sciences, Balkan Soc. of Geom.,	



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	15 (2013), 71-84.) the quarter symmetric metric connection. It should be incorporated and compare the results of the present paper with that paper. (C) In page 3, in line after eqn (3.5), it is better to write "This" instead of "Thus the above equation" The author does not mentioned curvature tensor of 3-dimensional trans-Sasakian manifold. Though it is mentioned in title of section. It is necessary. (D) In the Left hand expression of (4.5) and (4.6), it should be write $_2$ $\square$ (er $w e R)(X, Y) Z$ — . It is better to Theorem 4.1 can be written as Theorem 4.1. In a three dimensional trans-Sasakian manifold, the locally $_$-symmetric remains invariant under quarter symmetric metric connection as well as Levi-Civita connection. (E) Theorem 6.1 and Theorem 6.2 states the result for the case of 3-dimensional trans-Sasakian manifold, where as the relation (6.2) and entire calculation made for the dimension (2n+1). These should be checked. (F) Theorem 6.2 can be written in general way including converse part also. (G) Title of the paper should be "3-dimensional trans-Sasakian manifold admitting"	
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	instead of “Trans-Sasakian manifold admitting”. (H) Incorporate reference the paper (C. Patra and A. Bhattacharya, Trans-Sasakian manifold admitting quarter symmetric non-metric connection, Acta Univ. Apulensis, 36 (2013), 39-49) in a suitable place and compare the result of present paper with that paper. (I) Author(s) are requested to revised the paper thoroughly and search similar result in literature and compare with them. I am looking to see the revised version of the paper.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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