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| Book Name: | **Innovative Solutions: A Systematic Approach Towards Sustainable Future** |
| Manuscript Number: | **Ms\_BPR\_3724.31** |
| Title of the Manuscript:  | **RICCI SOLITONS ON LP-SASAKIAN MANIFOLDS WITH RESPECT TO QUARTER SYMMETRIC METRIC CONNECTION** |
| Type of the Article | **Complete Book Chapter** |

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| PART 1: Review Comments |
| Compulsory REVISION comments | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | **The article has a good flow, and the authors effectively explore Ricci soliton conditions on LP-Sasakian manifolds using Q-S connections with various curvature properties. However, the theorem statements and the overall quality of English are poor and occasionally confusing. Additionally, some author names in the citations are written incorrectly, which is not very nice and needs to be rechecked carefully.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes** |  |
| **Are subsections and structure of the manuscript appropriate?** | **No** |  |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.** | **The manuscript explores Ricci soliton conditions on LP-Sasakian manifolds using quarter-symmetric metric connections and various curvature properties, which is a relevant and interesting topic in differential geometry. The results presented, including the necessary and sufficient conditions for Ricci solitons to be shrinking, expanding, or steady, contribute meaningfully to the field. However, several issues, such as errors in theorem statements (e.g., Theorem 3.1 and Theorem 6.5), incorrect equations (e.g., Equation 1.1), and grammatical errors, detract from the clarity and scientific soundness of the manuscript. Addressing these issues, especially the incorrect citations, theorem statements, and the organization of content (e.g., separating LP-Sasakian manifold relations and Q-S metric connections in the preliminaries), will significantly enhance the scientific robustness and technical soundness of the work. The topic's importance warrants these revisions for the manuscript to reach its full potential.**  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | The overall quality of the English was poor and need to be rechecked again |  |
| Optional/General comments | **1. The overall quality of the english is poor. It needs to be recheck again.****2.In the abstract, since it is Ricci solitons, replace "of a" with "for".** **3.On Page 1, in the introduction section first paragraph, put "." after 1989 and starts with capital letter "Severals"****4.On the same paragraph, write "introduced" instead of "introduce".****5. On the same paragraph replace "Also" with "Additionally".****6. Remove "," after et al. and start with the new paragraph from U.C. De et al. [22]****7. "Bhagvat Prasad" name is incorrect it should be "Bhagwat Prasad". Many incorrect authors name are there check all the names of the reference and authors cited carefully like "Mshra","Matsumato" etc****8. "is known as Pseudo projective curvature tensor" should be "is known as pseudo projective curvature tensor. "** **9. The Torsion tensor form in Equation 1.1 is incorrect.****10. In the last paragraph of the introduction, remove "." after the Q-S metric connection and put "," and start with "then"****11. Also in the same paragraph, after the conditions of the soliton are mentioned, put "respectively" before "Finally"****12. In the preliminaries section, write LP-Sasakian manifold relations only dont include Q-S metric connection like Equation (2.15), (2.16). Instead write the Q-S metric connection clearly and other relations with separate section.** **13. Theorem 3.1 statement need to be rechecked again. Since it was g(ϕ U\_2,U\_3 ) not g(U\_2,U\_3 ).****14. In Theorem 6.5, the statment is very difficult to understand. So change it like this "In a 3-dimensional (ϵ,δ)-trans-Sasakian manifold, a Ricci soliton admits an infinitesimal contact transformation that leaves the Ricci tensor invariant, and this transformation is an infinitesimal strict contact transformation."** **15. Overall, recheck all the statements of the theorem.** |  |

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| **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)* |  |

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| Reviewer Details: |
| Name: | **Rajesh Kumar** |
| Department, University & Country | **Pachhunga University College, Mizoram University, India** |