

Review Form 1.6

Journal Name:	International Astronomy and Astrophysics Research Journal
Manuscript Number:	Ms_IAARJ_84326
Title of the Manuscript:	Jet Internal Pressure and Luminosity of Powerful Radio Galaxies
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:

(<https://www.journaliaarj.com/index.php/IAARJ/editorial-policy>)

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	<p>(i) Page 1, last line, “....flux densities given by.....[1-7].”; multiple references, short description of references may be given.</p> <p>(ii) Page 2, column 1, line 6, “....the central engine [1-8].”; multiple references, short description of references may be given.</p> <p>iii) Page 2, column 1, line 17, “.....radio wavelengths [9-14].” line 19, “.....powerful in radiation [9-14].” line 25, “.....sub-galactic dimensions [9-14].” line 30, “.....luminosity sources [9-14].” line 40, “....with the CSS [4-14].”</p> <p>Multiple and same references repeated several times in this one paragraph, which is not a good practice. These references should be discussed in short with brief description at the beginning of the paragraph and need not repeating the same references again and again.</p> <p>(iii) Page 3, column 1, equation (2), (3) and (4) are exactly same as that of equation (6), (7) and (8), respectively. Then what is the difference of outcome of section 2 and section 3.</p> <p>(iv) Page 3, column 2, equation (9), since equation (3) and (7) are exactly same, then how the equation (9) is drawn as $D_{z(EGRg)} > D_{z(CSSg)}$.</p>	<ul style="list-style-type: none">Equations (2), (3), & (4) are results obtained for the more extended radio galaxies; while equations (6), (7), & (8) are results obtained for CSS radio galaxies. The two sets of results are roughly similar.I have effected the necessary corrections.
<u>Minor</u> REVISION comments	NIL	
<u>Optional/General</u> comments	<p>Regression analysis is carried out in this work to show that certain physical processes (such as jet internal pressure and luminosity) which occur in radio galaxies may be propelled by both source central engine and dark/vacuum energy.</p> <p>This is extremely well drafted manuscript except that multiple references are repeated many times without giving their short description.</p>	

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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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	