

**Review Form 1.7**

Journal Name:	<b>Journal of Scientific Research and Reports</b>
Manuscript Number:	<b>Ms_JSRR_114050</b>
Title of the Manuscript:	<b>Performance of Turmeric +Pigeon pea intercropping system under North Eastern Ghat Zone of Odisha.</b>
Type of the Article	<b>Original Research Article</b>

## Review Form 1.7

### 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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>		
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>		
<p><b>Optional/General</b> comments</p>	<p>Consider revising the English</p> <p>Change Title : <b>Evaluation of Turmeric and Pigeon Pea Intercropping System in the North Eastern Ghat Region of Odisha.</b></p> <p>Line 7-9 : Turmeric (<i>Curcuma longa</i> L) is a significant cash crop cultivated by tribal farmers in Odisha for their sustenance. Despite favourable agro-climatic conditions, turmeric productivity in Odisha lags considerably behind the national average, standing at only 2.4 t/ha compared to the national average of 5.1 t/ha.</p> <p>Line 19 : remove full stop after livelihood. Line 27: space after century</p> <p>Line 27-31: Rewrite the sentence Turmeric was introduced to Europe by Arab traders in the 13th century. Marco Polo, during his travels in China in 1280, was impressed by turmeric, describing it as a vegetable with saffron-like properties but distinct from saffron itself. Turmeric is globally recognized primarily as a spice, commonly used in various culinary applications such as curry powder, chicken bouillon, sauces, gravies, dry seasoning, baking mixes, processed cheese, pickles, relishes, breadings for soups, beverages, and confections (Sasikumar, 2001).</p> <p>Line 47 to 53: Turmeric serves as a vital cash crop cultivated by the Kondha tribes in Kandhamal district and the Langi Kondha in Gajapati district. Utilizing their traditional farming methods, these tribes cultivate turmeric in their backyards, predominantly employing organic practices, which yields them favorable returns. Recognizing the potential of turmeric, the state has proposed an Agri Export</p>	

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	<p>Zone (AEZ) covering Kandhamal district (Ray, 2007). Furthermore, turmeric holds cultural significance, being involved in religious rituals and magical rites in India and various Southeast Asian countries. Traditionally, it has been utilized in India for both human and veterinary healthcare, as a natural dye, and in the preparation of savory dishes.</p> <p>Line 58 : change antimicro-bial to antimicrobial          Line 61 : rewrite respective-ly into respectively          Line what does “tur” means . Please clarify it document throughout Introduction section.</p> <p>Line 80-85: Maintain consistency of font          Line 97: provide space between morphologicalcharacters and significantlyinfluenced          Line 98 : give space between “purecrop”          Line 103: give space between “Pigeonpea”          Line 108 : space between “higherbiomass”          Line 109: space between “thanunder “ the and under          Line 110 : space between “turmericyield”</p> <p><b>*Provide space between two different words wherever needed in Material and methodology section.</b></p> <p>Line 119: “Int.J.Curr.Microbiol.App.Sci” write full name when it is mentioned frost time in the MS.          Line 146 : correct “replacemen” as replacement</p> <p>Line 151: Correct conclusion part as :</p> <p>The adoption of a 10:2 planting pattern for turmeric and pigeon pea intercropping has emerged as the most stable, productive, and economically rewarding system. This planting geometry ensures optimal spacing between turmeric and pigeon pea plants, allowing for efficient resource utilization and minimal competition between crops. Through this arrangement, farmers can achieve stable yields and maximize productivity while also enhancing profitability. Research findings indicate that this specific planting pattern promotes synergy between turmeric and pigeon pea, leading to mutually beneficial growth and development. Overall, adopting the 10:2 planting pattern offers a promising approach to optimize the intercropping system's performance and economic returns for farmers.</p> <p>Line 155: remove the sentence.          Line 161: full stop at the end of sentence.</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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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