

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_91864
Title of the Manuscript:	CORIANDER SEED QUALITY AND VIGOUR ASSESSMENT AS AFFECTED BY BIOREGULATORS AND VARIED IRRIGATION REGIMES BASED ON CLIMATOLOGICAL APPROACH
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.journalijecc.com/index.php/IJECC/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)
Compulsory REVISION comments	<p>Abstract - 306 words (reduce the abstract, too many words). Make the purpose of the research clear.</p> <p>Keywords - put the words in alphabetical order.</p> <p>Introduction - citation (Anonymous, 2015) is correct? Improve sentence: "Coriander (Coriandrum sativum L.), a member of umbelliferae family, is cultivated for its high commercial value of stems, leaves and seeds and considered as natural source of essential oils" The vigorous seeds are very beneficial with properties like rapid seedling emergence and higher plant stand (Deswal, 2017)."</p> <p>Materials and Methods - Panse and Sukhatme (1978) did not cite in the references.</p> <p>Results and Discussion - Soltani et al. (2002), Pereira et al. (2008) and Pramila et al. 2013 lacked to put in the references. Improve sentence: "Germination capacity referred to as emergence and development of the seedling into a young plant from seed embryo Standard germination test used to assess the emergence of seed lots and its ability to germinate under favorable conditions (ISTA, 2003)." improve paragraph writing. "Pramila et al. 2013 also explained that seed lots with higher test weight paralleled superior quality in terms of higher germination and seedling vigor." "These findings endorse the results of Kumar (2017), Singh et al. (2017) and Sarkar et al. (2020) who reported that seed quality improves with enhancement in seedling length, seedling fresh weight, seedling dry weight, vigor index- I, vigor index-II parameters and vice versa. Nonetheless, a negative correlation of seed size with germination percentage, seedling root and shoot length has also been ascertained by Kaya et al. (2008) and Deswal et al. (2017). " What correlation analysis was performed? Did not mention this analysis in Materials and Methods.</p>	
Minor REVISION comments		
Optional/General comments		

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>	

Review Form 1.6

Reviewer Details:

Name:	Adielle Rodrigues da Silva
Department, University & Country	Embrapa Mandioca e Fruticultura, Brazil