

Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_90174
Title of the Manuscript:	Potentiality of colchicine in induction of polyploids in <i>Jasminum sambac</i> (L.) Aiton cv. Ramanathapuram Gundumalli
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.journalijpss.com/index.php/IJPSS/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	There is not enough information about the experiment, so that it was done in this species, what objectives, if it was carried out, in greenhouse in laboratory or in the field. They do not mention the advantages and disadvantages of polyploids. Images of the number of chromosomes of the species (N^N) and their duplication ($N?$) are required. Chromosome imaging is required, in other work with haploids, double haploids and polyploids by using a flow cytometer. The use or management of colchicine, is very dangerous to human health, requires meeting the necessary conditions to avoid its toxicity.	
Minor REVISION comments	The evaluation of the effect on morphological characteristics is not sufficient to determine whether or not they are polyploid.	
Optional/General comments	You can also incorporate images of the stomata of the treated plants, number, sizes, both the haz and the enves.	

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:

Name:	José Luis Rodríguez de la O
Department, University & Country	Autonomus Chapingo University, México