

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_113185
Title of the Manuscript:	Induced resistance mechanism in plant and its importance in agriculture
Type of the Article	Review Article

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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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) <p>This is a review article on the mechanisms of induced resistance in plants and the importance of this mechanism in agriculture. The paper provides crucial insights into understanding the impacts of chemical pesticides and their breakdown products on the environment and human health, a necessary objective for food safety and environmental protection today. The information in this paper has also led to the exploration of natural resistance abilities to enhance the effectiveness of stimulating disease resistance in crops. The article summarizes some identified crop resistance capabilities stimulated by bacteria and pathogenic fungi. Plant resistance includes cell protection responses in biochemical defense. The paper also synthesizes findings from published research to elucidate primarily resistance mechanisms based on systemic acquired resistance (SAR) and induced systemic resistance (ISR). Additionally, the paper presents defense mechanisms regulated by salicylic acid based on gene expression changes. Currently, many scientists still do not fully understand the mechanisms behind induced resistance in crops. This paper could provide further information on the underlying reasons for induced resistance in crops. This article could be published in this journal, and it will guide researchers to focus more on exploring new prospects in plant protection, environmentally friendly disease control, and agriculture.</p> 2. Is the title of the article suitable? (If not please suggest an alternative title) <p>The title and content of this paper are appropriate for this journal.</p> 3. Is the abstract of the article comprehensive? <p>The abstract of the paper accurately reflects the content of the article. Additionally, there is no need for citation of sources. It is necessary to supplement additional information on the primary factors influencing the inducible resistance capability of plants</p> 4. Are subsections and structure of the manuscript appropriate? <p>The subsections need to be sequentially numbered. The contents should also clearly delineate between the methodology section, which discusses the methods employed in the studies, and the results section, which presents the findings of the research. Additionally, a general discussion section needs to be added to provide an overall evaluation and summary. Authors should engage in a general discussion to derive the most general laws governing the factors stimulating the inducible resistance capability of plants</p> 5. Do you think the manuscript is scientifically correct? <p>This article encompasses content primarily cited by the authors from scientific papers published between 1901 and 2010. The presented content is relevant and accurate.</p> 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>- This review article is written and cited from papers published from the years 1901 to 2010.</p> 	

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	<p>Therefore, it is recommended that the authors supplement and update with recent research literature on the induction of plant resistance capabilities in recent years.</p> <ul style="list-style-type: none">- The documents need to be written in accordance with the journal's guidelines. Some documents lack publication years. The articles need to ensure consistency in listing all authors. Please review the documents highlighted in yellow.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	The English language section needs to be checked for grammar, spelling errors, prepositions, and punctuation. Especially review the sections highlighted in yellow. Here is an example of the errors. The passages below also contain numerous errors, but I have not marked them; I suggest the authors review them	
Optional/General comments	The article may be published after review and additional revisions	

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Pham Van Tat
Department, University & Country	Institute of Pharmaceutical Education and Research, Binh Duong University, Vietnam