

Review Form 3

Journal Name:	Asian Journal of Soil Science and Plant Nutrition
Manuscript Number:	Ms_AJSSPN_129721
Title of the Manuscript:	Effect of Phosphorus Fertilization and Zinc Spraying on Productivity of Sesame (Sesamum indicum L.)
Type of the Article	Research article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Sesame/Til is important oil seed crop and increasing seed yield is major task in sesame. Application of nutrients and method of application helpful to enhance yield in this crop so present study is scientifically good and its helpful to scientific and farmer community	Noted
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	Thanks
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes its comprehensive. is it Zn <sub>2</sub> SO <sub>4</sub> is ZnSO <sub>4</sub> is same are different	OK
Is the manuscript scientifically, correct? Please write here.	Its scientifically good, confirm recommended dosage of Zinc supplements to sesame crop , because in this study used in 30, 60, 90 PPM Concentrations, these concentrations are nano range ( 90mg in 1 litre- 90 PPM)	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes add few related references mentioned below  1. Harish, M. S. And Gowda, R., 2017, Effect of nanoscale zinc oxide on plant growth, seed yield and quality in groundnut. Mysore J. Agric. Sci., 51 (3) : 637 - 643.  2. Harish, M. S., Rame Gowda And Nethra. N., 2019, Standardization of nano particles for enhancing groundnut seed quality cv. ICGV-91114. J. Pharmacogn. Phytochem., 8 (1) : 2208 - 2212.  3. Harish M.S (2017) Influence of seed treatment with nanoparticles on morpho physiological and biochemical changes in groundnut ( <i>Arachis hypogaea</i> L.). Doctoral dissertation, University of	Added

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	<p>Agricultural Sciences GKVK, Bengaluru</p> <p>4. Laxmi Dundappa Chougala, Parashivmurthy, Harish M S And R Siddaraju., 2024 Seed Polymer Coating with ZnO, SiO<sub>2</sub> and TiO<sub>2</sub> Nanoparticles: An Innovative Seed Quality Enhancement Technique in Sweet Pepper. <i>Seed Res.</i> 52 (2): 124-129.</p> <p>5. Gangaraju, N., Paramesh, R., Siddaraju, R. and Harish M.S (2016). Effect of nutrient levels and split application of nitrogen on growth and seed yield of Maize hybrid Hema at various stages of plant growth. <i>Madras agricultural journal</i>, <b>102</b>(4):131-13</p>	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	<p>1. Confirm method of spraying Zinc sulfate to sesame crop because its not in available form</p> <p>2. whatever Zinc concentration used for research in nano scale, not in bulk form</p> <p>3. Is there any mutation effect in research plot after spraying nano form zinc fertilizer</p> <p>4. have you observed plant nutrient uptake after harvesting</p>	

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