

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_131419
Title of the Manuscript:	One new species of Thaxterogaster subgenus Riederorum (Agaricales) from India
Type of the Article	Taxonomy

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PART 1: Comments

	Reviewer's comment Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	The present research considers a very important group of genera belonging to the family Cortinariaceae, most of them form ectomycorrhizas with different hosts and are commonly found growing in associations with oaks species around the world. Many new species of different genera of mushrooms are being discovered every year all over the world using an integrative analysis considering both classic and molecular studies. In the case of the new species proposed in this investigation i.e. <i>Thaxterogaster thindii</i> A. Bose & D. Chakr., <i>sp. nov.</i> , the methodology used for the analysis of data was carried out in accordance with current procedures and they are mentioned clearly in every section of the investigation in an appropriated way. Results are well described both for classical and molecular taxonomy and their arrangement shows how this species fits well in the section Riederorum as a new species. It might be useful to consider mentioning the forest type e.g. Oak Forest and the possible host species to which might be associated in the field. The number of species recognized currently are highly diverse and the reordering of the family into different genera and subgenera helps to understand a bit more how diverse and important they are and their possibility to understand their ecological interactions with different hosts. This ecological subject is of vital importance as once that associations between mushrooms and hosts are recognized in the field there is a possibility to further investigate their symbiosis under controlled conditions e.g. synthesis of mycorrhizae and at some point, they can be use in inoculation procedures either under greenhouse or field conditions. The later might be important when some hosts species e.g. <i>Quercus</i> spp., have been threatened by different causes in their natural habitats.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title could be improved if the forest type is included: e.g. One new species of.....from Oak forest from India	

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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.	The abstract is correct	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically correct	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Is correct	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	This investigation further increases the knowledge of Indian mushrooms species, and it could be published as it fulfills the technically requirements and is novel.	

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)	

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