ReviewForm3

JournalName:	JournalofScientificResearchandReports
ManuscriptNumber:	**Ms_JSRR_126516**
TitleoftheManuscript:	**InvitroefficacyofTrichodermaharzianumnanoparticlesagainstColletotrichumcapsicicausingfruit rotofchilli**
TypeoftheArticle	**Researcharticle**

PART1: ReviewComments

CompulsoryREVISIONcomments	**Reviewer'scomment**	**Author'sFeedback***(Pleasecorrectthemanuscriptandhighlightthatpart inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here)*
Pleasewritea fewsentencesregardingtheimportance ofthismanuscriptfor thescientificcommunity.Whydo youlike (ordislike)thismanuscript?Aminimumof 3-4 sentencesmayberequiredforthispart.	**Thismanuscriptprovidesvaluableinsightsintotheantifungalpotentialofbiosynthesizednanoparticles from*Trichodermaharzianum*,particularlyinmanagingtheanthracnosediseaseinchilicausedby *Colletotrichumcapsici*.Theresearchhighlightscoppernanoparticles(CuNPs)asthe mosteffective,with significantinhibitionoffungalgrowthcomparedto silverandzincnanoparticles.Thisworkisimportant forthescientificcommunityasit demonstratesaneco-friendlyapproachtoplantdiseasemanagement usingbiocontrolagents,supportingtheshiftawayfromchemicalpesticidestowardssustainable agriculturepractices.Iappreciatethestudy'srigorousapproachtoexploringgreennanotechnology,which couldhavepracticalapplicationsincropprotection,thoughit couldbenefitfromadditionalfieldtrialsto confirmitseffectivenessbeyondthelaboratorysetting.**	
Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle)	**Thetitle,*"InvitroefficacyofTrichodermaharzianumnanoparticlesagainstColletotrichumcapsici causingfruitrotofchilli,"*isinformativebutcouldbemademoreconciseandimpactful.Amore suitabletitlemightbe: "AntifungalEfficacyof Trichodermaharzianum-DerivedNanoparticlesAgainstColletotrichum capsiciinChili"**	
Istheabstractofthearticlecomprehensive?Doyou suggesttheaddition(ordeletion)of somepointsinthis section?Pleasewriteyoursuggestionshere.	**Theabstractprovidesa solidoverviewofthestudy,includingthemethodology,keyfindings,and implications.However,it couldbeimprovedwitha fewadditionsandrefinementsforbetterclarity andcompleteness:** **1. ClarifyObjective:Beginwitha clearstatementofthestudy'spurpose,suchas*"Thisstudy evaluatestheantifungaleffectivenessofbiosynthesizedTrichodermaharzianumnano particles againstColletotrichumcapsici,thepathogenresponsibleforanthracnoseinchilic rops."*** **2. ExperimentalConditions:Brieflymentiontheconcentrationstested(100,250,and5 00ppm)to givereadersa quickinsightintothescopeofthetestingconditions.** **3. ComparativeAnalysis:Althoughtheabstractmentionsthat CuNPwasthemosteffective,it would behelpfultoincludea shortcomparison,notingthatCuNPshowedthehighestzoneofinhibition, followedbyAgNPandZnNP,tohighlighttherelativeefficacy.** **4. ConclusionandImplications:Adda**	

Aresubsectionsandstructureofthemanuscript appropriate?	**Themanuscript'sstructureappearsgenerallyappropriate,asit followsa standardscientific layoutwithsectionslike *Abstract*,*Introduction*,*MaterialsandMethods*,*ResultsandDiscussion*,and *Conclusion*.Thisstructureiseffectiveforpresentingexperimentalresearch.However,a few structuraladjustmentscouldimprovereadabilityandflow:** **1. SeparateResultsandDiscussion:If possible,separating*Results*and*Discussion*intodistinct sectionscouldhelpreadersdifferentiatebetweenrawfindingsandtheirinterpretation.T his separationwouldallowa morefocuseddiscussionontheimplicationsandcomparisonswith previousstudies.** **2. ClarifySubsectionsinMethods:Inthe*MaterialsandMethods*section,subsectionson sample preparation,concentrationlevels,andmeasurementtechniques(e.g.,Agarwellmethod)c ould enhanceclarity.Thiswouldmakeit easierforreaderstofollowspecificaspectsofthe experimentaldesign.** **3. EnhancedVisualPresentationofData:Thetablesandfigures,suchasthosedetailingin hibition zonesandmycelialgrowth,arewell-placed.However,addingbriefdescriptionsorinterpretations directlybeloweachfigureortablecouldenhancereaderunderstandingwithoutneedingtocro ss- referenceextensivelywiththetext.** **4. ExpandConclusion:Theconclusioncouldbeexpandedslightlyto summarizekeyfindingsand suggestareasforfutureresearch,particularlyinfieldapplicationsofthenanoparticles.**	

ReviewForm3

Pleasewritea fewsentencesregardingthescientific correctnessofthismanuscript.Whydoyouthinktha t thismanuscriptisscientificallyrobustandtechnica lly sound?Aminimumof 3-4sentencesmayberequired forthispart.	**Thismanuscriptappearstobescientificallyrobustandtechnicallysoundduetoitswell-defined methodologyanddetailedexperimentaldesign.Theuseofbiosynthesizednanoparticlesandthe Agar well methodfor evaluatingantifungalefficacyareappropriateforassessing *invitro*inhibitionof *Colletotrichum capsici*.Theconcentrationsandtypesofnanoparticlestestedarevariedandrelevant,allowingfora clear comparisonofefficacyacrossdifferentmetals,whichstrengthensthevalidityofthefindings.Addition ally, thedatapresentedintablesandfigures,suchasinhibitionzonesandmycelialgrowthrates,are comprehensiveandallowfora thoroughinterpretationofresults.Overall,themanuscriptdemonstrates carefulcontrolandmeasurement,providinga solidbasisforitsconclusionsonthebiocontrolpotentialof coppernanoparticles.**	
Arethereferencessufficientandrecent?If youhave suggestionsofadditionalreferences,pleasement ion themin thereviewform. **-**	**Themanuscriptincludesa rangeofreferencesrelevanttothestudy,particularlyfocusingon previousresearchonantifungalnanoparticlesandtheiruseinagriculture.However,thereco uld bea fewimprovementstoensurea morecomprehensiveandrecentliteraturefoundation:** **1. RecencyofReferences:Whilesomerecentstudies(e.g.,from2023and2024)arecited,many referencesdatebackseveralyears.Includingmorerecentstudiesonnanoparticle-based biocontrolandadvancementsingreensynthesismethodsfromthelast2-3yearswouldstrengthen themanuscript'scontext.** **2. AdditionalStudiesonCopperNanoparticlesinAgriculture:Sincecoppernanoparticle s(CuNPs) wereparticularlyeffective,includingrecentstudiesspecificallyaddressingtheiruseinotherc rops orpathogenswouldadddepthtothediscussion.Forexample,recentresearchonCuNPsin**	
<u>Minor</u>REVISIONcomments **Isthelanguage/Englishqualityofthearticlesuitabl e forscholarlycommunications?**	Thelanguagequalityofthe manuscriptisgenerallysuitablefor scholarlycommunication,buttherearea few areaswhereitcouldbeimprovedforclarityandreadability: 1. **GrammarandSyntax**:Somesentencescouldberefinedforsmootherflow.Forinstance,inthe abstract,sentenceslike *"Allthreenanoparticlestestedat100,250and500ppmweresignificantin recordingminimummycelialgrowth…"*couldberephrasedtoimproveclarity,suchas*"Allthree nanoparticlestestedshowedsignificantinhibitionofmycelialgrowthatconcentrationsof100,250,and 500ppm."* 2. **Consistencyin Terminology**:Ensureconsistentuseofterms(e.g.,"Trichodermaharzianum-derived nanoparticles"insteadofalternatingwithvariations)toavoidconfusion. 3. **Conciseness**:Somesectionscouldbenefitfromconciserephrasingtoavoidredundancy,mak ingthetext easiertofollow.	
<u>Optional/General</u>comments	Thismanuscriptprovidesvaluableinsightsintotheantifungalpotentialof*Trichodermaharzianum*-derived nanoparticlesagainst*Colletotrichumcapsici*,a significantpathogeninchilicultivation.Theexperimentaldesign, includingvariednanoparticleconcentrationsandtheuseoftheAgarwellmethod,issoundandsupportsthe study's findings,particularlyregardingtheefficacyofcoppernanoparticles.Whilethe structureandmethodology arewell-organized,improvementsinlanguageclarityandrecentreferencescouldstrengthenthepaper'sscholarly qualityandcontextualrelevance.Overall,thisstudyisa noteworthycontributionto sustainableagricultural practices,offeringan eco-friendlyalternativefordiseasemanagementincrops.	

ReviewForm3

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)*	

Reviewer Details:

Name:	**Mayur Arun Dongre**
Department, University & Country	**Shri Shivaji Vidya Prasarak Sanstha's Late Karmaveer Dr. P. R. Ghogrey Science College, Kavayitri Bahinabai Chaudhari North Maharashtra University, India**