

ReviewForm3

JournalName:	InternationalJournal ofPathogenResearch
ManuscriptNumber:	Ms_IJPR_120418
TitleoftheManuscript:	MechanismofAntimicrobialActivitiesofMedicinalPlantsExtracts,FromTraditionalKnowledgetoScientificInsights
Type oftheArticle	ReviewArticle

PART 1: Review Comments

Compulsory REVISIONcomments	Reviewer's comment	Author's Feedback (Pleasecorrectthemanuscript andhighlight thatpart inthemanuscript.It ismandatory that authorsshouldwritehis/herfeedback here)
Pleasewritefewsentences regardingthe importance thismanuscriptforscientificcommunity.Why doyou like(ordislike)thismanuscript? Minimum3-4 sentencesmaybe required forthispart.	<p>The manuscriptdiscussesthetraditionalsystemspracticedbydiversepopulationstotreatagreatnumberof infectiousdiseasesusingmedicinalplants. Variousexamplesofmedicinalplantsandextractsfocusedinthis papersuggeststhatthecrudeextractsandplant-derivedbioactivecompoundsmayenhancetheeffectsof traditionalantimicrobials. Themanuscriptalsoexplainscompoundspreventingantibacterial resistanceaswellas synergeticstoantibiotics,whichcanultimatelykillpathogenicorganisms. Thesestudiesfurtherpromisesthe plantextractsandbioactivecompoundsforapromisingtreatmentfordisease-causinginfectiousmicrobial pathogens. Thereviewmotivatesthe developmentofpharmacologicalagentsrequired tocombatthegrowing numberofmicrobialstrains thathavebecomeresistanttoexisting antibioticsinclinicalpractice.</p> <p>Ipersonallydislikethemanuscriptastheexplanationofantimicrobialmechanismis lacking(suchas promotingcellwalldisruptionand lysis,inducereactiveoxygen species production,inhibitbiofilm formation,inhibitcellwallconstruction, inhibit microbial DNAreplication,inhibitenergysynthesis,inhibit bacterialtoxinstothehost)and plagiarismfound96%similarityindex.</p>	
Isthethetitleofthe articlesuitable? (Ifnotpleasesuggestanalternativetitle)	<p>The title maybe kept as</p> <p>Antimicrobial Activities of Medicinal Plants and its Extracts 'From Traditional Knowledge to Scientific Insights'</p>	
Istheabstractofthearticlecomprehensive?Doyou suggestaddition(ordelation)ofsomepointsinthis section?Pleasewriteyoursuggestionshere.	<p>Yesbutnotspecifictothetitle</p> <p>Couldhavebeenaddedaboutsesecondarymetaboliteshavingbroad spectrumofantimicrobialactivity andmechanismofitsantimicrobialactivity</p>	
Are subsectionsandstructureofthemanuscript appropriate?	<p>Yes(stillitcanbeimproved)</p>	
Pleasewritefewsentences regardingthescientific correctnessofthismanuscript.Whydothinkthatthis manuscriptisscientificallyrobustandtechnically sound?Minimum3-4sentencesmayberequiredfor thispart.	<p>Discussedabouttraditionalsystems of medicinepracticedin manycountriesare evidenced. Theindigenoususeofsome medicinalplantswithitsbiologicalactivitiesarementioned. Many medicinalplantsandtheiractivephyto compounds havingantimicrobialpotentialonspecificorganismsare reviewed. Thedifferenttechniquestostudytheantimicrobialactivityarediscussedinthis manuscript. All thesewillhelp tohuntmoreantimicrobial drugsfrommedicinal plant sources.</p>	

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<p>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>-</p>	<p>Recent references may be added as only references quoted till 2020.</p>	
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<p>Minor REVISION comments</p> <p>Is language/English quality of the articles suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>Keywords are not specific Brackets symbol should be checked The medicinal plants botanical names should be in italics Found few spelling mistakes Still more medicinal plant examples would have been added in Tabular column Given Phytochemical examples are very less Page alignments should be proper <u>Specific suggestions</u> Pg. 2 last para Caper 'C' should be capital as it is bush name Pg 3. First para 16th line Salmonella typhi. - change 'T' to small letter Pg 4 second para first line shaman after gap should be there. Pg 4 last para 7th line 'Ayur' not Ayar Pg 6 Table 1.. gap should be left between genus and species Adhatodavasica Spelling wrong for Chondrodendron species Punusafricana- species name should be in small letter Pg 12 second para 7th line should be arranged properly... The methanol, ethanol and aqueous extracts of Pomegranate peel showed.... Pg 13 Terpenoids para 6th line Cypress tree.. C should be in capital letter Next para last line 'Philippines' spellings should be checked Next line Title Laboratory Techniques used.. use should be changed to used Pg 15 Conclusion para last line in vitro in vivo should be in italics, In Pg 16 7th line also</p> <p>No explanation is found in the manuscript for the mechanisms of antimicrobial bioactive compounds such as Promoting Cell Wall Disruption and Lysis, Inhibition of Biofilm Formation, Inhibition of Cell Wall Construction, Inhibition of Prokaryotic DNA Replication, Inhibition of Energy Production, Inhibition of Bacterial Toxins, Mechanism of Resistance to Antibacterial Agents, Antimicrobial Action with Generation of Reactive Oxygen Species etc.,</p>	

PART 2:

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

Reviewer Details:

<p>Name:</p>	<p>V. Sathyanathan</p>
<p>Department, University & Country</p>	<p>Apollo College of Pharmacy, India</p>