

ReviewForm 1.7

JournalName:	InternationalJournalof EnvironmentandClimateChange
ManuscriptNumber:	Ms_IJECC_103052
TitleoftheManuscript:	CharacterizingofSandyLoamSoilElectricalConductivityandConeIndexRelationshipatVaryingDepthsinPunjabRegion
TypeoftheArticle	OriginalResearchArticle

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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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>L = Line</p> <p>Abstract</p> <p>L15 and L167: "1.73 Mg/m³" -> M = Mega(10⁶)-> Is this right? Is it really "Mg" or "mg" (milligrams)?</p> <p>L22-L23: "development of strategies to mitigate soil degradation"-> which strategies?</p> <p>Introduction</p> <p>L29: "cropping intensity of 140.5 percent" and L32: "cropping intensity of 204 percent" -> I did not understand the intensity greater than 100%.</p> <p>L32-L33: "Soil serves as a fundamental resource for the production of food and fiber, thereby meeting diverse human needs and sustaining global ecosystems" and L6-L7: " Soil constitutes a fundamental resource for the production of food and fiber, thereby meeting diverse human needs and sustaining global ecosystems (Doran, 2002)". -> Repeated sentence.</p> <p>Material and methods</p> <p>L101: Why "...?"</p> <p>L102-108: Confused. Rewrite. Figure 1 was not mentioned in the text. L117:</p> <p>Check this sentence.</p> <p>L123 and L124: Why "....."???</p>	

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	<p>L130-131: "desiSiemensper meter(dS/m),which is equal to thereading inmS/mdivided by 100" ->It's not right. Seethe units bellow.mSmultiplied by 100is dS. $dS=10^{-1}S$ $mS=10^{-3}S$ $dS/100 = 10^{-3}S$ $dS/100 =$ $mSmS* 100 =dS$</p> <p>Results and discussions</p> <p>L141: Givethe meaningof the acronym CI(coneindex).</p> <p>L153-154: "it notifiedthat thesoil wascompacted(Raperetal., 2001)" -> Why?Explain. L154: "Thevariationin Coneindex withdepthin all six penetrationsin thesoil." -> incomplete sentence.</p> <p>Figure5and Figure6 ->Format "Mgm-3"(legend)</p> <p>Figure5and Figure6 ->values areusing comma (,)instead of point(.), different from the text.</p> <p>L170-174: "Asthesoil becomesmorecompacted, thespacesbetween soilparticlesdecrease, limitingthemovement ofair, water,and roots. Thisrestrictedmovement affectsplant growth and nutrient uptake, ultimately impacting agricultural productivityandecosystemhealth.In general,as soil moisturecontentincreases, thebulkdensitytendsto decrease.Thisisbecause water occupies spacebetween soil particles, reducing theircompactnessand increasing..." -> References?Missing references.</p> <p>L182-184: "Thisisbecausethepresenceof water lubricatesthesoil particles,reducing friction and makingit easier for the coneto penetratethesoil." ->References?Missing references.</p> <p>L192-193: "Thedatashowed that therelation between EC, BDandmoisturecontent of soil at differentdepthup to 60cm (Fig. 6)."->incomplete sentence.</p>	
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	<p>L199-202: "This is because water serves as a conductor of electrical currents, and the presence of more water in the soil enhances the movement of ions, leading to higher EC values. Additionally, the presence of dissolved salts in the soil solution can further contribute to elevated EC values." ->Missing references.</p> <p>Conclusion</p> <p>L217-220: Is this information in the text? I think it is not a result of the research. L222:</p> <p>"provides valuable information" -> what valuable information?</p> <p>-> Shouldn't sections and subsections be properly numbered?</p> <p>References</p> <p>Check that all references cited throughout the text are in the reference list. Check that all references in the reference list are cited throughout the text. Use "Ctrl + F"</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the articles suitable for scholarly communications?</p>		
<p>Optional/General comments</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)
<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>	

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