



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_38797
Title of the Manuscript:	Calibration of Inductive Electromagnetic Meter for Determining Electrical Conductivity of UAS, Raichur soil
Type of the Article	Original Research Article

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

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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)
Compulsory REVISION comments	<p>English needs improvements. Which is UAS Raichur soil? Please, do not use several names/abbreviations for the same thing. A lot of works using EM38 and similar sensors have been published in the last years, you need to summarize and discuss the recent developments. Please, shorten the sections 2.1 and 2.3.1, these infos are well known in the literature. Please, provide some info about the soil composition and management. How about temperature recording in the field? Line 113: I think that H and V values depend on EC, and not the contrary. You repeat this expression several times in your manuscript. In this way, please revise the axis in your Figures 3 and 4. Please explain why R^2 is greater for V than for H.</p> <p>Plagiarism Issue- Fig. 1 in the manuscript is the same than Fig. 2 in Robinson, D.A., Lebron, I., Lesch, S.M., Shouse, P. 2004. Minimizing drift in electrical conductivity measurements in high temperature environments using the EM-38. Soil Science Society of America Journal 68: 339-345 .</p>	<ul style="list-style-type: none"> • I checked English and do necessary changes. • I mentioned the type of soil and its properties. • I summarize recent work published on EM-38 and sensors. • I shorten the sections 2.1 and 2.3.1. • Soil composition now provided in manuscript. • We didn't measure temperature. So I am unable to include this parameter. • I revise the axes of Figures 3 and 4. • We noted down readings manually. R^2 value difference is only 0.008 between V and H. So, no significant variation of R^2. • I removed that image and cited the mentioned paper in my manuscript.
Minor REVISION comments		
Optional/General comments		