

Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_ IRJPAC_ 83958
Title of the Manuscript:	Determination of Sulphate Ion Concentration in Some Ground Water in the Cape Coast Metropolitan Area, Central Region, Ghana and Its Effects On Concrete Brick with Admixture of Sawdust Ash.
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:

(<https://journaljmsrr.com/index.php/JMSRR/editorial-policy>)

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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)
Compulsory REVISION comments	<ul style="list-style-type: none">- The title of the article was consistent with suggested method in the text. The abstract of the article is complete from the point of view of scientific writing. This article has keywords. In the introduction, the importance of the research topic is stated. The purpose of the study is stated according to previous studies. One of the strengths of this article is the comparison of research findings with similar studies.✓ Please, improve the English writing (grammar and style) throughout the manuscript. Please ask for someone with professional proficiency in English to revise the text. English writing should be of sufficient quality to enable the manuscript acceptance.✓ There are some of grammar mistakes and typos in manuscript.✓ Please observe the correct spacing between words. <p>You have a spelling error. Add a space between your number and the word that follows.</p> <ul style="list-style-type: none">- You wrote: ... reported.5% replacements of sawdust ash,concrete brick(no curing) was found to have suff... Suggestion: , concrete- You wrote: ...s compared to concrete bricks cured for 3days and 7days.3days curing and no curing of... Suggestion: 3 days- You wrote: ... to concrete bricks cured for 3days and 7days.3days curing and no curing of concrete ... Suggestion: 7 days- You wrote: ...on with 25% sawdust ash replacements at 28days immersion period.Premature curing of co... Suggestion: 28 days- You wrote:Premature curing of concrete brick for 7days, with an increase in sawdust ash replac... Suggestion: 7 days- You wrote: ...ate ion attack than concrete brick with 3days curing and no curing. Suggestion: 3 days- You wrote: ...to be durable (Neville, 2011). Marthong <u>et.al</u> (Marthong, 2012) showed that water abso... Suggestion: et al.- You wrote: ...oluble may be disruptive in situ. Zolin <u>et.al</u>. Suggestion: et al.- You wrote: ... to an increase in waste generation and <u>has pose</u> a serious problem on waste management a... Suggestion: posed- You wrote: ...includes the type of pozzalan material, <u>lime and water</u>. Suggestion: material, lime, and water- You wrote: ...es (fine and coarse); Construction site <u>in</u> the University of Cape Coast premises d... Suggestion: at the University- You wrote: ...m at a temperature of 450 oC for 2 hrs. <u>to</u> eliminate incorporated organic matter, ... Suggestion: To	

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	<ul style="list-style-type: none">- You wrote: ...100 mL of each water source... Suggestion: 100 ml- You wrote: ...amoma, Tap-water) was measured into 250 <u>mL</u> flask . Suggestion: 250 ml- You wrote: ...ap-water) was measured into 250 mL flask . Suggestion: Don't put a space before the full stop.- You wrote: 20 <u>mL</u> of buffer solution A was added and mixe... Suggestion: 20 ml- You wrote: The cubes were demolded after <u>24hours</u> and was immersed in the ground water so... Suggestion: You have a spelling error. Add a space between your number and the word that follows. "24 hours".- You wrote: ...Is Hydraulic Compression Testing Machine, ((Y) =0.9943 x load + 3.2747). Samples we... Do not put a comma before parentheses.- You wrote: ...). Samples were placed centrally on the <u>lower</u> plate of the CTM with each concrete bri... Suggestion: the lowest- You wrote: ...sed in percentages where carbon content <u>gave</u> the highest yield. From this analysis, ... Did you mean this? "give"?- You wrote: ...curs in the sawdust ash (SDA). From the <u>fig.</u> 2.0, the highest peak was at peak heig... Suggestion: Fig- You wrote: From the <u>table 2.0</u> below, it shows that areas of Ammamoma... The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Table". Suggestion: Table- You wrote: ...he sea with concentration difference of <u>0.807mg/L</u>.It is graphically shown in <u>figure 3.0</u>... Insert a space between the numerical value and the unit symbol "0.807 mg" The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Figure".- You wrote: From the table 3.0 below, it can be seen that Ammamoma wa... The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Table". Suggestion: Table- You wrote: ...tivity value.It is graphically shown in <u>figure 4.0</u> below; The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Figure". Suggestion: Figure- You wrote: From the table 5.0 below, it can be deduced that increase... The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Table". Suggestion: Table- You wrote: ...n intrusion. Graphically represented in <u>figure 6.0</u> below; Suggestion: Figure- You wrote: From the table 6.0 below, it can be deduced that the load... - You wrote: From the <u>table 7.0</u> below, it was observed that, the compr... The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Table". Suggestion: Table- You wrote: ...water source.Graphically represented in <u>figure 7.0</u>- You wrote: ...ater source. Graphically represented in <u>figure 8.0</u>	
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	<ul style="list-style-type: none"> - You wrote: ...% SDA replacements.Graphically shown in figure 9.0 - You wrote: ...placements.This is shown graphically in figure 10.0 <p>The name of a table or figure (i.e., Table 1, Figure 6) should be uppercase: "Figure".</p> <p>Suggestion: Figure</p> <ul style="list-style-type: none"> - You wrote: ...increment in SDA. In Okyeso water source,it remained constant from 5 % to 15 % and ... - You wrote: From the table 9.0 below,it can be deduced that the compressive str... <p>Put a space after the comma</p> <p>Suggestion: , it</p> <ul style="list-style-type: none"> - You wrote: ...k than 7 days curing of concrete brick. Hence the optimum use of pozzalan(SDA) to ach... <p>Did you forget a comma after a conjunctive/linking adverb?</p> <p>Suggestion: Hence,</p> <ul style="list-style-type: none"> - You wrote: ...nd subsequent poor cohesion between the cementmatrix interface. <p>Possible spelling mistake found</p> <p>Suggestion: cement matrix</p> <ul style="list-style-type: none"> - You wrote: 5% replacements of sawdust ash,concrete brick(no curing) was found to have suff... <p>Put a space after the comma</p> <p>Suggestion: , concrete</p> <ul style="list-style-type: none"> ✓ Write formulas in the text with formula writing software. ✓ There is a need for further discussion in the conclusion section. ✓ In the references section, references of recent years should be used. ✓ The references should be made according to the format of the journal. The quality of references (in terms of novelty) needs to be improved. ✓ Quality of all Figures should be corrected, especially font size. <p>This manuscript is well written, adequately structured and interesting. I recommend this manuscript for the publication. I hope that these propositions will facilitate the improvement of the manuscript.</p>	
Minor REVISION comments	<p>Is a nice Article, the manuscript requires Minor Revision.</p> <ul style="list-style-type: none"> - Please observe the correct spacing between comma and the rest of the sentence. - The number of references is not enough for one Original Research manuscript (21). -in reference section: the words with wrong spacing have been highlighted. - In the section "References" all references must be written in the same way. Journals Name is sometimes abbreviated, Please check. But we want to encourage the authors to redo some points of the manuscript that need to be improved so that it can reach high quality standards. 	
Optional/General comments	<p>I recommend to accept and publish this manuscript as soon as possible in you reputed journal.</p>	

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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:	Mohammad Asadi
Department, University & Country	Iran