



SDI Review Form 1.6

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_35706
Title of the Manuscript:	Performance of Concrete Using Burnt Waste Plastic as Partial Replacement for Coarse Aggregate
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>)



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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	1. In figure 1, please place the name for red and blue curves. 2. Please show the pictures of plastic waste aggregate and concrete specimen used in the study. 3. In figure 6, please show the error bars in the bar chart of compressive strength.	1. Correction effected. 2. The images are not in a good resolution that's why it was not included. 3. Corrections effected.
Minor REVISION comments	1. In the introduction section, more references about the waste management in the construction field are needed to be cited: <i>Fahad K. Alqahtani, Gurmeh Ghataora, M. Iqbal Khan, Samir Dirar, Novel lightweight concrete containing manufactured plastic aggregate, Construction and Building Materials, 148, 2017, 386-397.</i> <i>O. Yazoghli Marzouk, R.M. Dheilily, M. Queneudec, Valorization of post-consumer waste plastic in cementitious concrete composites, Waste Manage, 27, 2007, 310-318.</i> 2. In the introduction section, more references about partial replacement (using fly, slag) in concrete are needed to be cited: <i>Jun Liu, Qiwen Qiu, Xiaochi Chen, Xiaodong Wang, Feng Xing, Ningxu Han, Yijian He, Degradation of fly ash concrete under the coupled effect of carbonation and chloride aerosol ingress, Corrosion Science, 112, 2016, 364-372.</i> <i>Qiwen Qiu, Zhentao Gu, Jiaqi Xiang, Canjie Huang, Shuxian Hong, Feng Xing, Biqin Dong, Influence of slag incorporation on electrochemical behavior of carbonated cement, Construction and Building Materials, 147, 2017, 661-668.</i> <i>Jun Liu, Xiaodong Wang, Qiwen Qiu, Guangfeng Ou, Feng Xing, Understanding the effect of curing age on the chloride resistance of fly ash blended concrete by rapid chloride migration test, Materials Chemistry and Physics, 196, 2017, 315–323.</i> 3. The number of Eq. (3) should be corrected. It is not (5).	1. References are cited 2. References are cited 3. Correction effected 4. I had access to the quoted standards not the latest; corrections were effected all the same.



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	4. Please update the latest version (published year) of standards for references [1-3].	
<u>Optional/General</u> comments	Recommendation of choosing the appropriate content of plastic aggregate can be useful in concrete construction field.	Suggestion accepted