Strength Assessment of Green Concrete for Structural Use

Reviewer 1: --

1. In several sections sentences has spelling and grammar mistakes, which needs to be corrected.
2. In several sections sentences has space problem, which needs to be corrected.
3. Proper sentence construction in several sections to be modified.

Actual	Suggested
Concrete production requires huge amount	Concrete production requires a huge amount
also posing risk to environment due to climatic	also posing risk to the environment due to climatic
are generating huge amount of waste products	are generating a huge amount of waste products
This is key time to substitute natural materials	This is a key time to substitute natural materials
In present study cement is partially replaced by fume	In the present study, cement is partially replaced by fumed
partially replaced by synergy of waste marble	partially replaced by the synergy of waste marble
done to get the better understanding	done to get a better understanding
controlled concrete samples shows highest strength..	controlled concrete samples show the highest strength
Construction industry is contributing a lot in	The construction industry is contributing a lot to
Concrete production requires huge amount	Concrete production requires a huge amount
production causes depletion of natural resources	production causes the depletion of natural resources
the same time huge amount of wastes generated	the same time a huge amount of wastes generated
production of concrete by partially replacing natural ingredient	production of concrete by partially replacing the natural ingredien
concrete mix. This is revolutionary topic in concrete	concrete mix. This is a revolutionary topic in the concrete
marble dust work effectively in sand replacement	marble dust works effectively in a sand replacement
strength and flexural strength was obtained by replacing	strength and flexural strength were obtained by replacing

Glass Powder was included in concrete as replacement	Glass Powder was included in concrete as a replacement
results has been obtained at 3% replacement	results have been obtained at a 3% replacement
Mechanical properties of green concrete were also	The mechanical properties of green concrete were also
analysis of sample by using Scanning Electron Microscopy	analysis of the sample by using Scanning Electron Microscopy
also 2onducted to get the better understanding	also 2conducted to get a better understanding
Cement type used in this study was ordinary Portland cements	The cement type used in this study was ordinary Portland cement
Natural sand used in this study was	The natural sand used in this study was
were conducted in laboratory to find properties	were conducted in the laboratory to find properties
presented in above Table 1. Natural crushed	presented in Table 1. Natural crushed
Size of 20 mm and bulk density of these aggregates	The size of 20 mm and the bulk density of these aggregates
This glass powder was used as replacement of	This glass powder was used as a replacement of
particle size was determined for glass powder	particle size were determined for glass powder
Glass powder used in this study is shown	The glass powder used in this study is shown
this waste marble on soils results in reduction	this waste marble on soils results in a reduction
when deposited along catchment area	when deposited along the catchment area
utilizing these marble wastes in construction	utilizing these marble wastes in the construction
help in reducing the environment pollution	help in reducing the environmental pollution
Nano silica also known as Fume Silica	Nano silica also is known as Fume Silica
the form white amorphous material	the form of white amorphous material
silica contains particle of very small micrometers	silica contains a particle of very small micrometers
Fume Silica used in this study was bought from chemical	The fume Silica used in this study was bought from a chemica
is control mix having only cement as binder	is a control mix having only cement as a binder
For determining compressive strength of concrete	For determining the compressive strength of concrete
were cured for 28 days before compression test in UTM	were cured for 28 days before the compression test in UTM

compression test was conducted in UTM machine	compression test was conducted in the UTM machine
Maximum load on which cylinders fails was indicated on UTM	The maximum load on which cylinders fail was indicated on t UTM
concrete cylinder gives us compressive strength	the concrete cylinder, gives us the compressive strength
determining tensile strength of concrete	determining the tensile strength of concrete
speciemens having dimension equal to 150mm x 300mm	specimens having a dimension equal to 150mm x 300mm
splitting cylinder across the vertical diameter	splitting cylinder across the vertical diameter
length of cylinder. Before commencing test in UTM	length of the cylinder. Before commencing the test in the UTM
center of cylinder and then thin wooden	center of the cylinder and then a thin wooden
used for distributing load unifromly	used for distributing load uniformly
It is acronym of X Ray Florescence. In this test	It is an acronym of X-Ray Florescence. In this test
samples were powdered in lab	samples were powdered in the lab
non destructive chemical analysis test. In this type of test	a non-destructive chemical analysis test. This type of test
by high energy X ray beam. This X ray beam	by a high energy X-ray beam. This X-ray beam
Compressive strength Test and Split Tensile strength	The compressive strength Test and Split Tensile strength strength
Compressive strength test was conducted on concrete	A compressive strength test was conducted on concrete
UTM was used to apply uniformly compressive	UTM was used to apply a uniformly compressive
The test result in value of Psi Units is shown below	The test results in the value of Psi Units are shown below
specimens shows highest strength results	specimens show the highest strength results
shows highest strength among green	shows the highest strength among green
controlled concrete sample. With increase in waste	controlled concrete sample. With the increase in waste
there is reduction in bond between cement and	there is a reduction in the bond between cement and
for each mix for getting mean value of strength	for each mix for getting the mean value of strength
Graph of split tensile strength shows that	The graph of split tensile strength shows that
S1 mix has highest compressive strength	the S1 mix has the highest compressive strength

micro filler and increase bond of concrete	micro filler and increases the bond of concrete
level results in reduction of split tensile	level results in a reduction of split tensile

Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

Reviewer 2: --

1. Paper should be written in JMCMS Journal format.
2. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged, as cited in the text.
3. In many places, sentences are started with abbreviations. When it is introduced for the first time, the full form should be given.
4. Authors need to Modify Abstract and conclusion more appropriately.
5. In section three, sentences end with few numbers of the full stop, which needs to be removed.
6. Conflict of interest regarding article should be mention in the text.

Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

Reviewer 3: --

1. Paper should be written in JMCMS Journal format.
2. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged, as cited in the text.
3. Authors need to describe the literature survey in introduction section more elaborately
4. The Abstract and conclusion are needed to be Modified in accordance to fulfill the paper aim.
5. Conflict of interest regarding article should be mention in the text.

Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

Regards
Editorial Manager

[Note: This is a computer-generated Report hence, no need of any Signature.]