

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_88155
Title of the Manuscript:	Structural Characteristics of Lightweight Ferrocement Walls with Various Types of Core Materials and Mesh Reinforcement
Type of the 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://www.journalcjast.com/index.php/CJAST/editorial-policy>)

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		
Minor REVISION comments		
Optional/General comments	<ol style="list-style-type: none"> 1) The structural characteristics of lightweight ferrocement walls with various types of core materials and mesh reinforcement. Specimens were reinforced with expanded metal mesh, welded wire mesh and tenax SS30 mesh. 2) 10 specimens having cross-sectional dimensions of (80cm X10cm) and height of 100 cm were cast and tested until failure. Structural behavior of studied walls in terms of; first crack load, ultimate load, service load ,ductility ratio and energy absorption were investigated in addition to crack pattern and mode of failure for all tested specimens. 3) Increasing the number of the steel mesh layers in the ferrocement forms increases the first crack load, service load, ultimate load, and energy absorption. 4) A numerical finite element model can be used to investigate structural characteristics of lightweight ferrocement walls, leading to a good agreement when compared to experimental results. 	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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