



**ASJP**  
Algerian Scientific Journal Platform



# Journal of Building Materials and Structures

VOL. 1 (2014)

An open access peer-reviewed journal  
ISSN 2353-0057

## Contents

<b>About the journal.....</b>	<b>i</b>
<b>Editorial Board Members.....</b>	<b>i</b>
<b>Effect of the heat curing on strength development of ultra-high performance fiber reinforced concrete (UHPFRC) containing dune sand and ground brick waste .....</b>	<b>40-46</b>
<i>Safi B, Aboutair A, Saidi M, Ghernouti Y and Oubrahim C</i>	
<b>Strengthening of concrete beams by CFRP: Experimental study and finite element analysis.....</b>	<b>47-57</b>
<i>Ghernouti Y, Rabehi B, Benhamna A and Hadj Mostefa A</i>	
<b>Thermophysical characterization of earth blocks stabilized by cement, sawdust and lime .....</b>	<b>58-64</b>
<i>Azakine Sindanne S, Ntamack GE, Lemanle Sanga RP, Moubeke CA, Kelmamo Sallabou ES, Bouabid H, Mansouri K, D'Ouazzane SC</i>	
<b>The effect of hybrid steel fiber on the properties of fresh and hardened self-compacting concrete .....</b>	<b>65-76</b>
<i>Haddadou N, Chaid R, Ghernouti Y and Adjou N</i>	

## About the journal

**Journal of Building Materials and Structures (JBMS)** is a peer-reviewed online journal, currently published semi-annually. **JBMS** is a free access journal, and offers a meeting targeted for specialists around the world to publish and discuss all topics related to the building materials and structures.

**JBMS** topics include, but are not limited to, research on :

- Elaboration and characterization of building materials.
- Experimental techniques.
- Microstructural properties and structural engineering.

**ISSN 2353-0057**

### Editor-in-Chief

T. Bouziani, Structures Rehabilitation and Materials Laboratory (SREML), University Amar Telidji-Laghouat, Algeria

### Editorial Board Members

Li A., Laboratoire de génie civil, UFR Sciences, GRESPI - Université Champagne-Ardenne de Reims, France

Quéneudec-t'kint M., Unité de Recherche EPROAD - Université de Picardie Jules Verne, Amiens, France

Kadri E. H., Laboratoire de Mécanique et Matériaux du Génie Civil (L2MGC), Université de Cergy-Pontoise, Paris, France

Bédérina M., Structures Rehabilitation and Materials Laboratory (SREML), University Amar Telidji-Laghouat, Algeria

Hyun-Bo Shim, Korea Concrete Institute (KCI) Research Center , Kangnam-gu, 135-703 Seoul, South Korea

Khandaker M. A. H., Department of Civil Engineering, Ryerson University, Toronto, Ontario, Canada

Safi B., Research Unit Materials, Processes and Environment, University M'hamed Bougara-Boumerdes, Algeria

Aggoun S., Laboratoire de Mécanique et Matériaux du Génie Civil (L2MGC), Université de Cergy-Pontoise, Paris, France

Ghernouti Y., Research Unit Materials, Processes and Environment, University M'hamed Bougara-Boumerdes, Algeria

Karim M. R., Dhaka University of Engineering and Technology (DUET), Gazipur, Bangladesh

Makhloufi Z., Structures Rehabilitation and Materials Laboratory (SREML), University Amar Telidji-Laghouat, Algeria

Mebrouki A., Sciences and Technologies Faculty, Mostaganem University, Algeria



**This work is licensed under a** Creative Commons Attribution 4.0 International License.  
© JBMS 2017