

Journal of Materials and Engineering Structures

ISSN - Online : 2170-127X

Mouloud Mammeri University of Tizi-Ouzou

ⵜⴰⵎⴰⵎⵎⵉⵔⵉⵜ ⵜⴰⵏⵓⵣⵓⵔⵉⵜ ⵜⴰⵎⴰⵎⵎⵉⵔⵉⵜ

جامعة مولود معمري تيزي وزو



*Volume 6, Issue 4
December, 2019*

**RESEARCH REVIEW of
Sciences and Technologies**



RESEARCH REVIEW OF SCIENCES AND TECHNOLOGIES

EDITEUR

Université Mouloud MAMMERRI de Tizi-Ouzou

BP 17 RP 15000, Tizi-Ouzou

Tél : 026 21 89 95 – 026 21 53 14 – 026 41 07 78

Fax : 026 21 29 68

Courriel : univ_tizi@ummto.dz

Site internet : <http://www.ummto.dz>

Responsables de la rédaction

Pr. Farid ASMA, Responsable des revues en ligne, Research Review of Sciences and Technologies, Editeur en Chef, UMMTO, Algérie

Pr. Hocine HAMMOUM, Editeur en Chef, UMMTO, Algérie

Assistants éditoriaux / Editorial Assistants

Melle. Djamila MANSOUR, Assistante informatique, conception et réalisation

Mr. Said CHEKLAT, Assistant informatique, réseau et design

Email: rrst@ummto.dz

<http://revue.ummto.dz>

RESEARCH REVIEW of
Sciences and Technologies

JOURNAL OF MATERIALS AND ENGINEERING STRUCTURES « JMES »

COMITÉ EDITORIAL/EDITORIAL BOARD

Editeurs en Chef/Editors in Chief

- Pr. Farid ASMA, Université Mouloud Mammeri de Tizi-Ouzou, Algeria
- Pr. Hocine HAMMOUM, Université Mouloud Mammeri de Tizi-Ouzou, Algeria

Comité Scientifique /Scientific Committee

- Pr. Laurent BLERON, Ecole Nationale Supérieure d'Arts et Métiers, France
- Pr. Hélène DUMONTET, Université Pierre et Marie Curie de Paris 6, France
- Pr. Fekri MEFTAH, Université de Cergy-Pontoise, France
- Dr. Marc OUDJENE, Université de Lorraine, France
- Pr. Khemais SAANOUNI, Université de Technologie de Troyes, France
- Pr. Redouane ZITOUNE, Université de Toulouse, France
- Dr. Mohamed SONEBI, Queen's University, Belfast, Northern Ireland, UK
- Pr. Khalil El-Hami, University of Hassan 1, Faculty of Khouribga, Morocco
- Pr. Hakim S. Abdelgader, Department of Civil Engineering, Tripoli University, Tripoli, Libya
- Pr. Kamal Mohammedi, M. Bougara University, Boumerdès MESOnexusteam/LEMI, Algeria
- Dr. Muhammad Mubarak, Jazan University, Saudi Arabia
- Pr. Jamal Khatib Faculty of Science and Engineering, University of Wolverhampton, United Kingdom
- Dr. Ahmed Benamar, Université du Havre LOMC UMR 6294 CNRS, France
- Pr. Abdenour Alliche, Université Paris 6, France
- Pr. Ouali Amiri, Université de Nantes, France
- Dr. Taghreed Khaleefa Mohammed Ali, Koyauniversity, Iraq
- Prof. Dr. A.S.M. Abdul Awal, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia
- Dr. Mena Souliman, University of Texas at Tyler, United States
- Prof. Prasanta Sahoo, Jadavpur University Department of Mechanical Engineering Kolkata 700032, India
- Dr. Hossam El-Din Sallam, Jazan University, Saudi Arabia
- Dr. Tarek MERZOUKI, Université de Versailles Saint Quentin en Yvelines Laboratoire Ingénierie des Systèmes de Versailles, France
- Dr. HDR Badis HADDAG, Laboratoire LEM3 – UMR CNRS 7239 Institut Mines-Telecom, InSIC 27 voie de l'Innovation, 88100 St-Dié – France

Assistants éditoriaux / Editorial Assistants

- Melle. Djamila MANSOUR
- Mr. Said CHEKLAT

Email: jmes@ummt0.dz

Site : <http://revue.ummt0.dz/index.php/JMES>

Journal of Materials and Engineering Structures

Vol. 6, No. 4, December (2019)

Table of Contents

Durability performance of Green Concrete Incorporating Various Wastes: A Review <i>Salmabanu LUHAR, Ismail LUHAR</i>	469
Sorption mechanism of copper ions on synthetic and natural dentine hydroxyapatites <i>Farida FERNANE, Saliha BOUDIA, Ahmad B. ALBADARIN, Farid AIOUACHE</i>	485
Investigation on the glass fiber reinforced geopolymer concrete made of M-sand <i>Chithambar GANESH, M. MUTHUKANNAN</i>	501
Analysis of static behavior of a P-FGM Beam <i>Abdelbaki CHIKH</i>	513
Replacement of Sand with Bauxite Mining Waste in Concrete Production <i>Humphrey DANSO, Joseph Kent BOADI</i>	525
Microstructural study of Styrene Polyacrylic (SPA) latex modified mortars <i>Hichem BERKAK, Zoubir MAKHLOUFI, Madani BEDERINA</i>	535
Effect of Chemically Modified Banana Fibers on the Mechanical Properties of Poly-Dimethyl-Siloxane-Based Composites <i>Yiporo DANYUO, Taiwo ZAKARIYYAH, Suleman NASIRU, Kabiru MUSTAPHA, Tahiru S. AZEKO, Sefiu A. BELLO, Miriam ABADE-ABUGRE, John YIRIJOR, Victor ANYIDOHO, Fred McBAGONLURI</i>	547
Protection of structures subject to seismic and mechanical vibrations using periodical networks <i>Amine AMRANE, Nouredine BOURAHLA, Abdelkader HASSEIN-BEY, Abdelkrim KHELIF</i>	565
Estimation of compressive strength of high-strength concrete by random forest and M5P model tree approaches <i>Balraj SINGH, Parveen SIHAG, Anjul TOMAR, Ankush SEHGAL</i>	583
Fracture parameters formulation for single edge notched AS4 stitched warp-knit fabric composite plate <i>Mostefa LALLAM, Said MAMOURI, Abdelkader DJEBLI</i>	593
Designing of a new seismic base isolation system <i>Mohamed KHELLADI, Mohamed ABED, Redha REBHI</i>	609
Laboratory study on the effects of hydraulic and granulometric parameters on the response of granular soil to internal erosion <i>kamel MENAD, Hanifi MISSOUM, Karim BENDANI</i>	627

ISSN 2170-127X



This work is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).
Based on a work at <http://revue.ummtto.dz>.