

ISSN : 2335-1020

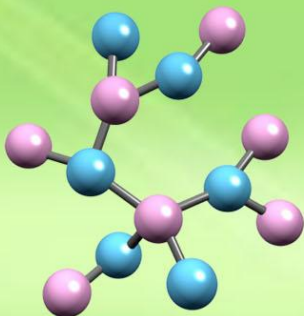
Volume 04 /Number 01

May, 2016

The logo for the Journal of Materials, Processes and Environment (JMPE). It features a large, stylized letter 'J' in green on the left. To its right, the letters 'MPE' are written in a bold, red, sans-serif font. A thin blue horizontal line runs beneath the 'MPE' text. A small circular icon with a globe is positioned above the top of the 'J'.

---

# Journal of Materials, Processes and Environment



# Journal of Materials, Processes and Environment



## Biannual Flight Review

University M'Hamed Bougara Boumerdes

*Volume 04, Numéro 01, (2016), ISSN : 2335-1020*



## JMPE

**Journal of Materials, Processes and Environment**

University of Boumerdes

FSI, Frantz Fanon City, 35000 Boumerdes, Algeria

Tel/Fax: 00213 (0) 24 91 33 74

E-mail: [journal.mpe@gmail.com](mailto:journal.mpe@gmail.com)

Web: <https://journaljmpe.wixsite.com/jmpe>

## Presentation

The JMPE evaluated by its peers through two reading and writing committees composed of specialists in materials science and engineering, it disseminates in-depth studies reflecting the latest scientific and technical advances in the field. The subjects proposed; deal with materials for civil engineering, transport, renewable energies and technical ceramics. Sustainable development at the service of technological innovation and the environmental context at the heart of many scientific and industrial applications in various fields such as: corrosion and durability of materials. Scientific and technological issues associated with the wide variety of processes involved in the implementation and properties of materials fall within a broad multidisciplinary field including process engineering, materials science, mechanics, physics and physicochemistry materials

## Editor

Pr. BEZZAZI Boudjema. URMPE, UMBB, Algeria

## Rédacteur en chef

Dr. IREKTI Amar. URMPE, UMBB, Algeria

## Editorial Board

- |   |   |
|---|---|
| Pr. ABADLIA M.T. (UMBB, Algeria)          | Pr. PONTON A. (Univ.Paris Diderot Paris7 France)    |
| Pr. ALEX Li (Univ.Rems France).           | Pr. HAMIANE M., (UMBB, Algeria).                    |
| Pr. AIT TAHAR K. (UMMTO, Algeria).        | Pr. IRATNI A. (UMBB, Algeria).                      |
| Pr. ALIOUAT M. (UMBB, Algeria).           | Pr. Prof. Younes Abouliatim, ENSA Safi, Maroc).     |
| Pr. AYADI A. (UMBB, Algeria).             | Pr. GERARD J. (BioWooEB), Montpellier, France)      |
| Pr. CHERIFI O. (UMBB, Algeria).           | Pr. BOURNANE M. Univ. Chicoutimi, Canada)           |
| Pr. Chaid R. (UMBB, Algeria).             | Pr. L. VAYSSIERES N.I.M.S.T Sukuba (Japan).         |
| Pr. BENMOUNAH A. (UR/MPE, FSI, UMBB)      | Pr. EL HAFIANE Y. ENSA, Safi Maroc)                 |
| Pr. BEZAZI A. (Univ. Guelma, Algeria )    | Pr. MARCU I. C. (Univ. Bucarest, Roumania).         |
| Pr. BOUMECHEDDA K. (UMBB, Algeria).       | Pr. MARCHAL R., (ENSAM, France).                    |
| Pr. BLANCHART P. (ENSCI, Limoges France). | Pr. OUADIA A. (Univ. Beira Interior, Portugal)      |
| Pr. ZERIZER A. (UMBB, Algeria).           | Pr. TAIRI A. (UMBB, Algeria).                       |
| Pr. DJILLALI N. (UMBB, Algeria)           | Pr. BOURCHAK M. (King Abdulaziz Univ., Jeddah, KSA) |
| Pr. MERLIN André (Univ. Lorraine, France) | Dr. DOKHAN N. (UMBB, Algeria).                      |
| Pr. HACHEMI M. (UMBB, Algeria).           | Dr. SAIDI M. (UMBB, Algeria).                       |
| Pr. BOUOUDINA M. (Univ of Bahrain).       |   |

**Table Of Contents**

<b>Hydrodynamic and heat transfer performance of shear thinning fluid flow in chaotic geometry under the effect of rheological fluid behavior</b> T.T. Naas, Y. Lasbet , A. Benzaoui, K. Loubar .....	pp 01/04
<b>Effet de l'incorporation des fibres d'Alfa sur le comportement des bétons autoplaçants</b> Ali-Boucetta T., Tioua T. , Behim M. , Kriker A., Belebchouche C., Laifa W.....	pp 05/10
<b>Structure and morphology of chitosan / bioactive glass prepared by sol-gel method</b> D. Ksouri, H. Hkireddine, A. Aksas, F. Bir, N. Slimani .....	pp 11/15
<b>Étude et caractérisation des fibres kératinique obtenues par hydrolyse alcaline de la laine du mouton</b> H. Hamouche, S. Makhlouf, M. Laghrouche.....	pp 16/20
<b>Chitosan-g-poly(acrylamide)/Diatomite superabsorbent composites. synthesis and investigation of swelling properties</b> T. Benhalima, S. Mounsi, N. Nassima, H. Ferfera-Harrar.....	pp 21/25
<b>Élimination des ions Fe(II) en solution aqueuse par adsorption sur la poudre d'écorces d'eucalyptus</b> Aziri S., Mouri N., Berkane N., Meziane S. ....	pp 26/32
<b>Entropy Generation in electrically conducting elasto-viscous fluid in a porous medium over a stretching sheet subject to a transverse magnetic field</b> A. Bentebba, S. Saouli.....	pp 33/36
<b>Influence of the drop height of a mass on the behavior of a concrete slab reinforced by a composite cork plate. Numerical Analysis.</b> F. Kheloui, Taouche, K. Ait Tahar, A. Si Salem, O. Bélaidi.....	pp 37/39
<b>L'Adsorption sélective des Effluents Inorganiques avec la Bentonite (Maghnia) Activée</b> F. Belhocine, M. Boufatit.....	pp 40/42