

The logo of the University of Boumerdes is a circular emblem. It features a sun in the upper left, a globe in the center, and Arabic calligraphy. The text 'جامعة بومردس' (University of Boumerdes) is written in Arabic script across the globe. The emblem is set against a light background with a blue and white gradient on the left side of the slide.

# Laboratoire Mécanique des Solides & Systèmes

Université de Boumerdes  
University of Boumerdes

Laboratoire

## **Mécanique des Solides & Systèmes**

Agréé en Juillet 2001

Directeur : **BENAZOUZ Djamel**

Grade : Professeur

### Publications Internationales :

#### Année 2012 :

- Benalia Kouini and Aicha Serier « Properties of polypropylene/polyamide nanocomposites prepared by melt processing with a PP-g-MAH compatibilizer » materials and design, Vol. 34, February 2012, Pages 313-318.

#### Année 2011 :

- Ghomrani F.Z., Gabouze N., Serier A., Socol M., Stanculescu A., Sanchez F., « Influence of Al Doping Agents Nature on the Physical Properties of Al:ZnO Films Deposited by Spin-Coating Technique », Optoelectronics and advanced materials – Rapid Communications , Issue 3, Vol 5, pp.247-251, (2011).
- Boudiaf A., Aissani Z., Bentriou A., « Mechanical characteristics of linear asynchronous motor », j of electronics and electrical engineering,, N° 4 (110), pp.21-24, (2011).

#### Année 2009 :

- Belloul N., Ahmed-Benyahia A., Serier A and Ouali N., « Effect of Temperature and Initiator on Glass Fibre/Unsaturated Polyester Composite: Cross-linking, Mechanical Properties », Damage and Fracture Mechanics, Failure Analysis of Engineering Materials and Structures, book chapter, Springer Science Eds, pp.497-504, (2009).
- Timhadjelt L., Serier A., Boumerdassi K., Serier M and Aïssani Z., « Modification of Cellulose for an Application in the Waste Water Treatment », Damage and Fracture Mechanics, Failure Analysis of Engineering Materials and Structures, book chapter, Springer Science Eds, pp.531-538, (2009).
- Boumerdassi K., Serier A., Timhadjelt L., « Biodegradables composites : Prepration and characterization », Journal of nanostructured polymers and nanocompositees (JNPN), Vol 5, issue2, pp. 30-36, (2009).

#### Année 2008 :

- Boumerdassi K., Serier A and Serier M., « Elaboration et caractérisation de composites biodégradables », Hal-00321451 v1, published in GFP, (2008).

- Timhadjelt L., Serier A., Serier M., « Chemical modification of the cellulose for an application in the waste waters treatment », HBRC Journal, Vol 4, N°2, (2008).
- Serier M., Haberschill., « Thermodynamic Modelling of the Operation of an Open Refrigerating Compressor », European Journal of Scientific Research, Vol24, N°2, pp.299-309, (2008).

**Année 2007 :**

- Benlefki A., « Valorisation of regenerated LDPE blending with EPDM in the presence of peroxide », Spinger Journal of Polymers and the Environment, Vol15, N°2, pp.119-124, (2007).

**Publications Nationales :**

**Année 2007 :**

- Timhadjelt L., and Serier A., « Adsorption de Cu(II) ,Cr(III) et S(II) par la cellulose modifiée », Revue Sci., Tec. et Dév, ANDRU - N°2, pp.80-88, (2007).