

Curriculum Vitae



PERSONAL INFORMATION

Name: **Abderrezak BEZAZI**
Date of birth: 21-02-1964, Guelma, Algeria
Status: Married, 3 children
Languages: Fluent in English, French & Arabic
Address: Département de Génie Mécanique, BP. 401 Université 8 Mai 1945
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EDUCATION

- **PhD** (Doctorat d'état), 2003
Institution: Annaba University in collaboration with the Institute of Acoustics and mechanics (IAM), Groupe Composite & Structures Mécaniques (GCSM), University of Maine (Le Mans, France)
Title: "Theoretical and experimental mechanical behavior study of the laminate and sandwich panels subjected to 3-points bending in static and fatigue loading"
"Etude théorique et expérimentale du comportement mécanique en statique et en fatigue des matériaux composites stratifiés et sandwichs en flexion 3-points"
- **MSc**, Mechanical design, 1991
Institution: Dept of Mechanical Engineering, Annaba University, Algeria.
Title: "*Theoretical and experimental mechanical behavior study of the laminate and sandwich panels subjected to 3-points bending in static and fatigue loading*"
"Etude théorique et expérimentale du comportement mécanique en statique et en fatigue des matériaux composites stratifiés et sandwichs en flexion 3-points"
- **DEA** (Diplome d'Etudes Approfondies), Mechanical Design, 1989
Institution: Dept of Mechanical Engineering, Annaba University, Algeria.
- **BSc**, Manufacturing Techniques in mechanics, 1988
Institution: Dept of Mechanical Engineering, Annaba University, Algeria
Fist class honours.

PROFESSIONAL ACTIVITIES

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|------------------------------|---|---|
| • 2010 Present | Professor | Guelma University, Algeria |
| • 2005-2010 | Associate Professor | Guelma University, Algeria |
| • 2004-2005 | Post Doc
research Associate | Dept of Mechanical Engineering,
University of Sheffield &
Department of Aerospace
Engineering, University of Bristol |
| • 2002-2004 | Senior Lecturer | Guelma University, Algeria |
| • Sept 2000 till
Feb 2002 | Senior Lecturer (visiting
research fellow) | University of Maine (Le Mans
France) at the Institute of Acoustics
and mechanics (IAM), Groups
composite and mechanical structure
(GCSM). |
| • 1994-2000 | Senior Lecturer (Maître
assistant chargé de cours) | Guelma University (Algeria) |
| • 1991-1994 | Lecturer (Maître assistant) | Guelma University (Algeria) |

ACADEMIC ACTIVITIES

- **Courses taught at post graduate level**
 - Initiation to ANSYS software programming
 - Composite materials
- **Courses taught at graduate level**
 - Metal frame and elevating lifting devices
 - Mechanical manufacturing and design
 - Numerical control of machine tools
 - Metrology of manufacturing
 - Basic Technology
 - Mechanical design
 - Mechanical manufacturing methods
 - Technical Drawing
- **Erection of Laboratories**
 - Laboratory interested in the erection of the reinforcement of the columns by coating using composite materials.
 - Laboratory interested in the development of new techniques of extraction of natural fibre and manufacturing of bio-composite laminates
- **Brochures**
 - Utilisation du logiciel ANSYS (Use of ANSYS Software)
 - Fabrication & contrôle des engrenages (Gears manufacturing and control)
 - Fabrication & contrôle des filetages (Thread manufacturing and control)

- **Supervision of BSc thesis**
- 33 BSc projects (Mechanical Design & Manufacturing Techniques)

RESEARCH ACTIVITIES

- **Research Projects**
 - Head of research project, “Various applications of composite materials” **Différentes applications des matériaux composites**, Jan 2011-Dec 2013, Algerian Ministry of higher Education & Research, Project code: J0301520060014.
 - Head of research project, “Theoretical and experimental investigations of the damage and mechanical behaviour of composite materials”, Jan 2007-Dec 2009, Algerian Ministry of higher Education & Research, Project code: J0301520060008.

- **Post-graduate thesis supervision**

PhD

- 1- M. MAACHE. Elaboration et caractérisation des composites à renfort en fibres naturelles des plantes sauvages. **2 July 2018**, University of Guelma, Algeria
- 2- A. SAIDIA. Etude de l’influence des résines polyester et bio sur le comportement mécanique du composite à renfort en fibre de jute vieilli (Study of the influence of polyester and bio resins on the mechanical behavior of composite reinforcement by jute fiber aged). . **22th Mars 2018**, University of Guelma, Algeria.
- 3- M. BOUAAZA. Réparation des structures type poutres par l’utilisation des matériaux composites. **17th December 2017**, University of Guelma, Algeria.
- 4- N. BENZANNACHE. Caractérisation mécanique des bétons polymères à base de résine renforcés par des granulats et fibres naturelles. **17th December 2017**, University of Guelma, Algeria.
- 5- S. AMROUNE. Caractérisations mécaniques et étude de l’endommagement des matériaux composites renforcés par des fibres de palmier (Mechanical characterizations and study of the damage of composite materials reinforced by palm tree fibers). **24th of May 2016**, Algeria University of Guelma, Algeria.
- 6- A. BELAADI. Elaboration et caractérisation des matériaux Biocomposites et Biosandwichs (Development and characterization of the Biocomposites materials). 12 October 2015. University of Guelma, Algeria.
- 7- W. BOUKHAROUBA. “Influence de la séquence d’empilement et du type de renfort sur le comportement mécanique des matériaux composites (Influence of the stacking sequence and reinforcement type on the mechanical behaviour of composite materials)”, **13th of October 2014** University of Guelma, Algeria.
- 8- H. BOULAGUEM. “Etude du renforcement des colonnes en béton par des recouvrements en matériaux composites (Study of the reinforcement of wrapped concrete columns by composite material)”, **22th of May 2013** University of Guelma, Algeria.

- 9- M. BOUAKBA. “Etude du comportement mécanique des matériaux cellulaire et sandwiches (Study of the mechanical behaviour of composite materials cellular core and sandwiches)”, **7th of February 2013**. University of Guelma, Algeria.
- 10- N. FRIOUI, “Etude du comportement mécanique en statique et en fatigue des mousses auxétique et non auxétique (Mechanical behaviour of auxetic and non auxetic foams subjected to static and fatigue loadings)”, **03 November 2011** University of Guelma, Algeria.
- 11- A. HOCINE, “Modélisation et Conception d’une Solution Hybride de Stockage d’Hydrogène Haute Pression (Modelling and design of storage of hydrogen high pressure using a hybrid Solution)”, **03 July 2008**, University of Oran, Algeria.
- 12- E. H. HARKATI, “Analyse du comportement et de l’endommagement des matériaux composites stratifiés et sandwiches (Damage and mechanical behaviour analysis of laminate and sandwich composite materials)”, **30 April 2008**, University of Guelma, Algeria.
- 13- H. BOUMEDIRI. Elaboration et caractérisation des matériaux biocomposites à renfort en fibres extraites des feuilles des palmiers dattiers. **in progress**, University of Guelma, Algeria.
- 14- H. KHELIFA. Caractérisation thermique et mécanique de matériaux issus de tissus et fibres de troncs de palmiers. « Thermal and mechanical characterization of materials from tissues and fibers of palm trunks”. **in progress**, University of Guelma, Algeria.
- 15- Bouhemame N.????

MSc (Magister)

1. A. BELAADI. Elaboration et caractérisation des matériaux composites à renfort en fibres naturelles (fibre de sisal). **02/11/2011** University of Guelma, Algeria
2. B. ISSASFA, “Etude de l’endommagement, entretien et réparations des tubes pétroliers en utilisant des matériaux composites (Study of the damage, maintenance and repairs of the oil tubes by using composite materials)”, **06 December 2010**, University of Guelma, Algeria.
3. A. RAHMANE, “Etude de l’influence des séquences d’empilements sur les fréquences propres et l’amortissement modaux des plaques composites (Study of the stacking sequences influence of on the eagan frequencies and the damping modal of the composite plates)”, **06 December 2010**, University of Guelma, Algeria.
4. W. BOUKHAROUBA, “Influence de la séquence d’empilement sur le coefficient de Poisson et sur le comportement mécanique des matériaux composites (Stacking sequence and mechanical behaviour of composite materials Poisson's ratio Influence)”, **30 Jun 2008**, University of Guelma, Algeria.

5. H. BOUCHELAGUEM “Etude du comportement mécanique des matériaux composites : Application au renforcement des colonnes en béton (Analysis of the mechanical behaviour of concrete columns wrapped by composite materials)”, **30 Jun 2008**, University of Guelma, Algeria.
7. M. BOUAKBA, “Fabrication et caractérisation de matériau composite en renfort naturel-fibre de cactus (Composite material manufacturing and characterization using natural reinforcement (fibre of cactus))”, **28 October 2008**, University of Guelma, Algeria.

Master:

- 1- CHENATLIA N. Comportement Mécanique d'un Alliage à Mémoire de Forme Sollicité en Traction Statique et Fatigue Cyclique, Juin 2014, Université 8 Mai Guelma.
- 2- GHERBI A. Extraction et caractérisation en statique des fibres végétales, 03 Juin 2013, Université 8 Mai Guelma.
- 3- Melazem M. E. Fabrication et caractérisation expérimentale des stratifiés bio-composites, 03 Juin 2013, Université 8 Mai Guelma.
- 4- BOULAF A. Etude de l'efficacité du renforcement par recouvrement en matériau composite des colonnes en béton armé, Juin 2012.

- **Chairman/Member/Examiner of Post-graduate thesis (not updated)**

HDR (Habilitation to Drive-conduct Research)

1. S. ELLAGOUNE (2008) University of Guelma Algeria.
2. A. BENKHEDDA (2012) University of Blida Algéria.

PhD

- 1- Y. MENAIL, “Analyse de l’effet du vieillissement à l’air, dans l’eau douce et dans l’eau salée, sur la tenue en fatigue de composites à matrice organique, renforcée par des fibres de verre (Influence of the effect of ageing to the air, in fresh water and salt water on the resistance to fatigue of composites with organic matrix reinforced by glass fibres), 2009, University of Annaba Algeria.
- 2- S. BENYOUSSEF, “Etude de l’influence du fluage et du retrait sur les contraintes d’interface des poutres en béton armé renforcées par des matériaux composites (Study of the influence of creep and the withdrawal on the interface stress of concrete beams reinforced by composite materials), 2009, University of Sidi Belabes Algeria.
- 3- E. H. HARKATI, Analyse du comportement et l’endommagement des matériaux composites stratifiés et sandwichs (Analysis of the Behaviour and damage of laminate composite materials and sandwichs), 2008, University of Guelma Algeria.
- 4- A. HOCINE, Analyse et modélisation d’une solution hybride de stockage d’hydrogène haute pression (Modelling and design of storage of hydrogen high pressure using a hybrid solution), 2008, University of Oran Algeria.
- 5- A. BENKHEDDA, Etude hygrothermique des matériaux composites a matrice polymère avec la prise en compte de l’effet de vieillissement lors de la désorption en transitoire (Hygrothermic study of composite materials with polymeric matrix through taking into account the effect of ageing during desorption in transient mode), 2008 University of Blida Algeria.
- 6- S. A. MEFTAH, Etude et analyse des murs refends renforcés par des matériaux composites (Study and analysis of walls reinforced by composite materials), 2007, University of Sidi Belabes Algeria.

- **Principal Publications**

- **Refereed Journal papers**

- 1- A. BEZAZI**, S. AMROUNE, F. SCARPA, A. DUFRESNE, A. IMAD. Investigation of the date palm fiber for green composites reinforcement: Quasi-static and fatigue characterization of the fiber. *Industrial Crops and Products*, Volume 146, April 2020, Article 112135.
- 2- A. HARKATI**, D. BOUTAGOUGA, E. HARKATI, **A. BEZAZI**, F. SCARPA, M. OUISSE. In-plane elastic constants of a new curved cell walls honeycomb concept. *Thin-Walled Structures*, Vol 149 (2020), April 2020, article 106613.
- 3- P.N.B. REIS**, M.P. SILVA, P. SANTOS, J.M. PARENTE, **A. BEZAZI**. viscoelastic behaviour of composites with epoxy matrix filled by corkpowder. *Composite Structures*, Volume 234, 15 February 2020, Article 1116692020.
- 4- G. G. DEL PINO**, A. C. KIELING, **A. BEZAZI**, H. BOUMEDIRI, J. F. ROLIN DE SOUSA, F. V. DIAZ, J. L. V. RIVERA, J. DEHAINI, T. H. PANZERA. Hybrid polyester composites reinforced with curauá fibres and nanoclays. *Fibers and Polymers*, February 2020.
- 5- S. AMROUNE**, **A. BEZAZI**, A. DUFRESNE, F. SCARPA, A. IMAD. Investigation of the date palm fiber for green compositesreinforcement: thermo-physical and mechanical properties of the fiber. *Journal of natural fibers*, 2020.
- 6- H. BOUMEDIRI**, **A. BEZAZI**, G. G. DEL PINO, A. HADDAD, F. SCARPA, A. DUFRESNE. Extraction and characterization of vascular bundle and fiber strand from date palm rachis as potential bio-reinforcement in composite. *Carbohydrate Polymers* 222 (2019) 114997.
- 7- A. M. DE LIMA**, G. G. DEL PINO, J. L. V. RIVERA, K. B. CHONG, **A. BEZAZI**, J. C. DE MACEDO NETO, M. D. L. G. D. S. VALENZUELA, J. DEHAINI, F. V. DIAZ. Characterization of Polyester Resin Nanocomposite with Curauá Fibers and Graphene Oxide. *Revista Ciencias Técnicas Agropecuarias*, Vol. 28, No. 2, april-june 2019, E-ISSN: 2071-0054.
- 8- N. BENZANNACHE**, **A. BEZAZI**, H. BOUCHELAGHEM, M. BOUMAAZA, S. AMZIANE, F. SCARPA. Statistical analysis of the 3-point bending properties of polymer concrete made of marble powder waste, sand grains and polyester resin. *Mechanics of Composite Materials*, Vol. 53, No. 6, January, 2018, pp 781-790.
- 9- N. BENZANNACHE**, **A. BEZAZI**, H. BOUCHELAGHEM, M. BOUMAAZA, , F. SCARPA, S. AMZIANE. Effects of adding sisal and glass fibers on the mechanical behaviour of concrete polymer. *J. Build. Mater. Struct.* (2018) 5: 86-94.
- 10- E. HARKATI**, N. DAOUDI, C. ABAIDIA, **A. BEZAZI**, F. SCARPA. The elastic uniaxial properties of a centre symmetric honeycomb with curved cell walls: effect of density and curvature. *Physica Status Solidi part B*, Vol. 254, No. 12, December, 2017.

- 11- M. MAACHE, **A. BEZAZI**, S. AMROUNE, F. SCARPA, A. DUFRESNE. Characterization of a novel natural cellulosic fiber from *Juncus effusus* L. *Carbohydrate Polymers*, Vol. 171, 1 September 2017, pp 163-172.
- 12- M. BOUMAAZA, **A. BEZAZI**, H. BOUCHELAGHEM, N. BENZENNACHE, S. AMZIANE and F. SCARPA. Behavior of pre-cracked deep beams with composite materials repairs. *Structural Engineering and Mechanics*, Volume 63, Number 5, 10 September 2017.
- 13- E. HARKATI, N. DAOUDI, **A. BEZAZI**, A. HADDAD, F. SCARPA. In-plane elasticity of a multi re-entrant auxetic honeycomb. *Composite Structures*, Volume 180, 15 November 2017, Pages 130-139.
- 14- A. SAAIDIA, **A. BEZAZI**, A. BELBAH, H. BOUCHELAGHEM, S. AMIROUCHE. Mechano-physical properties and statistical design of jute yarns. *Measurement*, Volume 111, December 2017, Pages 284-294.
- 15- Y. DOBAH, M. BOURCHAK, **A. BEZAZI**, A. BELAADI, F. SCARPA. Multi-axial mechanical characterization of jute fiber/polyester composite materials. *Composites Part B: Engineering*. Vol 90 April 2016, PP 450–456.
- 16- J. CIAMBELLA, **A. BEZAZI**, G. SACCOMANDI, F. SCARPA. Nonlinear elasticity of auxetic open cell foams modeled as continuum solids. *Journal of Applied Physics*. 117, 184902 (2015).
- 17- S. AMROUNE, **A. BEZAZI**, A. BELAADI, C. ZHU, F. SCARPA, S. RAHATEKAR, A. IMAD. Tensile mechanical properties and surface chemical sensitivity of technical fibres from date palm fruit branches (*Phoenix dactylifera* L.). *Composites Part A: Applied Science and Manufacturing*, Volume 71, Pages 95-106, 2015.
- 18- **A. BEZAZI**, S. AMROUNE, F. SCARPA. Analyse statistique et effet des traitements chimique sur le comportement physico-mécanique des fibres des bras de grappe des palmiers dattier. *Synthèse: Revue des Sciences et de la Technologie* 31, pp 108-120, 2015.
- 19- A. BELAADI, **A. BEZAZI**, M. MAACHE, F. SCARPA. Fatigue in Sisal Fiber Reinforced Polyester Composites: Hysteresis and Energy Dissipation. *Procedia Engineering*, Volume 74, 2014, Pages 325-328.
- 20- A. BELAADI, **A. BEZAZI**, M. BOURCHAK, F. SCARPA, C. ZHU. Thermochemical and statistical mechanical properties of natural sisal fibres. *Composites Part B: Engineering*, Volume 67, December 2014, Pages 481-489.
- 21- **A. BEZAZI**, A. BELAADI, M. BOURCHAK, F. SCARPA, K. BOBA. Novel extraction techniques, chemical and mechanical characterisation of *Agave americana* L. natural fibres. *Composites Part B: Engineering*, Volume 66, November 2014, Pages 194-203.
- 22- W. BOUKHAROUBA, **A. BEZAZI**, F. SCARPA. Identification and prediction of cyclic fatigue behaviour in sandwich panels. *Measurement*, Volume 53, July 2014, Pages 161-170.
- 23- A. BELAADI, **A. BEZAZI**, M. BOURCHAK, F. SCARPA. Tensile static and fatigue behaviour of sisal fibres. *Materials & Design*, Volume 46, April 2013, Pages 76-83.

- 24- M. BOUAKBA, **A. BEZAZI**, K. BOBA, F. SCARPA, S. BELLAMY. Cactus fibre/polyester biocomposites: quasi-static and fatigue characterization. *Composites Science and Technology*, **Volume 74**, 24 January 2013, **Pages 150-159**.
- 25- S. BENBELAID, B. BEZZAZI, **A. BEZAZI**. Modelling damage of composite laminates with different stacking sequences. *Advanced Materials Research*, 698, 1, **2013**, pp 1-10.
- 26- M. BOUAKBA, **A. BEZAZI**, F. SCARPA. FE analysis of the in-plane mechanical properties of a novel Voronoi-type lattice with positive and negative Poisson's ratio configurations. Accepted to appear in *International Journal of Solids and Structures* (**2012**).
- 27- S. BENBELAID, B. BEZZAZI, **A. BEZAZI**. Cross-Ply Laminates under Static Three-Point Bending : A Numerical Development Model. *Key Engineering Materials* Vol. 498 (**2012**) pp 42-54.
- 28- M. CHAOUICHE, B. MERZOUG, **A. BEZAZI**. The Flexural Behavior Study of Composites Material in Static Three-point Bending Test. *Advanced Materials Research* Vols. 463-464 (2012) pp 175-180.
- 29- H. BOUCHELAGHEM, **A. BEZAZI**, and F. SCARPA. Strength of concrete columns externally wrapped with composites under compressive static loading. *Journal of Reinforced Plastics and Composites* October **2011**; 30 (19).
- 30- H. BOUCHELAGHEM, **A. BEZAZI**, and F. SCARPA. Compressive behaviour of concrete cylindrical FRP-confined columns subjected to a new sequential loading technique. *Composites Part B: Engineering*, **Volume 42**, Issue 7, **October 2011**, Pages 1987-1993.
- 31- **A. BEZAZI**, N. FRIOUI, F. SCARPA. Tensile static, fatigue and relaxation behaviour of closed cell electret PVDF foams. *Mechanics of Materials*, **Volume 43**, Issue 9, **September 2011**, Pages 459-466 .
- 32- N. FRIOUI, **A. BEZAZI**, F. SCARPA, C. REMILLAT, J. P. GOMEZ. Viscoelastic and compression fatigue properties of closed cell PVDF electret foam. *Mechanics of Materials* **Volume 42**, Issue 2, **February 2010**, Pages 189-195.
- 33- A. HOCINE, D. CHAPELLE, L. M. BOUBAKAR, A. BENAMAR, **A. BEZAZI**. Analysis of intermetallic swelling on the behavior of a hybrid solution for compressed hydrogen storage. *Materials & Design* **Volume 31**, Issue 5, **May 2010**, Pages 2435-2443.
- 34- A. HOCINE, D. CHAPELLE, L. BOUBAKAR, A. BENAMAR, **A. BEZAZI**. Experimental and analytical investigation of the cylindrical part of a metallic vessel reinforced by filament winding while submitted to internal pressure. *International Journal of Pressure Vessels and Piping*. **Volume 86**, Issue 10, **October 2009**, Pages 649-655.
- 35- **A. BEZAZI**, W. BOUKHAROUBA and F. SCARPA. "Mechanical properties of auxetic carbon/epoxy composites: static and cyclic fatigue behaviour", *Physica Status Solidi part B* **246**, N°. 9, pp 2102–2110 (**2009**).

- 36- E. HARKATI, **A. BEZAZI**, W. BOUKHAROUBA, F. SCARPA. Influence of carbon fibre on the through-the-thickness NPR behaviour of composite laminates. *Physica Status Solidi part B* **246**, No. 9, 2111–2117 (2009).
- 37- **A. BEZAZI**, A. EL MAHI, J.-M. BERTHELOT and B. BEZZAZI. Experimental analysis of behavior and damage of sandwich composite materials in 3-point bending. **Part 2**. Fatigue test results and damage mechanisms. *Strength of materials*, Vol 41, No. 3, pp. 257-267, **May–June, 2009**.
- 38- A. EL MAHI, **A. BEZAZI**. Describing the flexural behaviour of cross-ply laminates under cyclic fatigue. *Applied Composite Materials*. Vol. 16, pp 33-53, **2009**.
- 39- **A. BEZAZI**, F. SCARPA. Tensile fatigue of conventional and negative Poisson's ratio open cell PU foams. *International Journal of fatigue Volume 31, Issue 3, March 2009, Pages 488-494*.
- 40- A. HOCINE, D. CHAPELLE, A. BENAMAR, **A. BEZAZI**. Analysis of a hybrid composite tank under pressure, *International Journal for Simulation and Multidisciplinary Design Optimization* Vol.2, pp. 77-82, **2008**.
- 41- S. G. PIERCE, K. WORDEN, **A. BEZAZI**. Uncertainty analysis of a Neural Network Used for Fatigue Lifetime Prediction. *Mechanical Systems and Signal*. Volume 22 Issue 6 August (2008) 1395–1411.
- 42- **A. BEZAZI**, C. REMILLAT, P. INNOCENTI, F. SCARPA. In-plane mechanical and thermal conductivity properties of a rectangular-hexagonal honeycomb structure. *Composite Structures Volume 84, Issue 3, July 2008, Pages 248-255*.
- 43- E. HARKATI, **A. BEZAZI**, M. GUENFOUD and F. SCARPA. Stacking layer sequence effects for glass fibre/epoxy resin cross/ply laminates. *Strength of materials*, Vol. 39, N° 3 (2007), 320-330 pp.
- 44- **A. BEZAZI**, A. EL MAHI, J.-M. BERTHELOT and B. BEZZAZI. Experimental analysis of behavior and damage of sandwich composite materials in 3-point bending. **Part 1**. Static tests, rigidity and load at failure studies. *Strength of materials*, Vol. 39, Issue 2, 170-177 pp, **2007**.
- 45- **A. BEZAZI**, S. G. PIERCE, K. WORDEN and E. HARKATI. Fatigue life prediction of sandwich composite materials under flexural tests using a Bayesian trained artificial neural network. *International Journal of fatigue*, Vol. 29 Issue 4 (2007), pp 738–747.
- 46- **A. BEZAZI** and F. SCARPA. Mechanical behaviour of conventional and negative poisson's ratio thermoplastic polyurethane foams under compressive cyclic loading. *International Journal of fatigue*, Vol. 29 Issue 5 (2007), pp 922–930.
- 47- E. HARKATI, **A. BEZAZI**, F. SCARPA, K. ALDERSON and A. ALDERSON. Modelling the influence of the orientation and fibre reinforcement on the Negative Poisson's ratio in composite laminates. *Physica Status Solidi part b*, 244, No 3, (2007), pp 883-892.

- 48- **A. BEZAZI**, A. EL MAHI, J.-M. BERTHELOT. Stacking sequence effect on post residual strength of GFRP composites. *Algerian Journal of Advanced Materials (AJAM)*, no 3, pp 257-260, (2006).
- 49- A. HOCINE, **A. BEZAZI**, A. BENAMAR, L. BOUBAKAR, A. KONDRATAS. Multi layer tubular composite reinforced by a liner: behaviour under thermo mechanical loading simulation. *ISSN 1392 - 1207. MECHANIKA*. Nr.2(58). 2006.
- 50- **A. BEZAZI**, F. SCARPA and C. Remillat. A novel centresymmetric honeycomb composite structure. *Composite structure*, 71, (2005), pp 356-364.
- 51- A. HOCINE, **A. BEZAZI**, L. BOUBAKAR, A. BENAMAR, A. KONDRATAS. Multi-layer tubular solid reinforced by a liner: behaviour modelisation under pressure loading. *MECHANIKA*, ISSN 1392 - 1207. Nr.5(55), pp 11-19, 2005.
- 52- A. HOCINE, **A. BEZAZI** and A. BENAMAR. Analyse numérique d'un réservoir composite liner métallique sous pression. *Algerian Journal of Technology (AJOT)* ISSN: 1111 375X, special issue, (2005); pp 201-206.
- 53- M. ROKBI, **A. BEZAZI** and H. OSMANI. Influence de la séquence d'empilement sur le comportement en statique des stratifiés Verre E/polyester. *Algerian Journal of Technology (AJOT)* ISSN: 1111 375X, special issue, (2005) pp 163-168.
- 54- A. EL MAHI, M.-K. FAROOQ, S. SAHRAOUI, **A. BEZAZI**. Modelling the flexural behaviour of sandwich composite materials under cyclic fatigue. *Materials & Design*, 25 (2004) pp 199-208.
- 55- **A. BEZAZI**, A. EL MAHI, J.-M. BERTHELOT and B. BEZZAZI. Flexural fatigue behaviour of cross-ply laminates -An experimental approach-. "*Strength of Materials*". Vol. 35, N°2, pp 66-83, **March April, 2003**.
- 56- **A. BEZAZI**, A. EL MAHI, J.-M. BERTHELOT and A. KONDRATAS. Investigation of Cross-Ply Laminates behaviour in three points bending tests. **Part II**: Cyclic Fatigue tests. "*Materials science*" Vol. 9, N° 1, 128-133, **2003**.
- 57- B. BEZZAZI, F. AMROUNI, **A. BEZAZI**, A. EL MAHI, A. KONDRATAS. Elastoplastic Behaviour Modelling of the Chain Linear Link in Assembly Process. *Journal of "MECHANIKA"* Nr.1(39).pp. 21-26, **2003**.
- 58- B. BEZZAZI, F. AMROUNI, **A. BEZAZI**, A. EL MAHI, A. KONDRATAS. Analysis of Elastoplastic Behavior of the Chain Linear Link in Chain Coupling. "*MECHANIKA*" Nr.2(40).pp. , **2003**.
- 59- A. EL MAHI, **A. BEZAZI**, J.-M. BERTHELOT and A. KONDRATAS. Investigation of Cross-Ply Laminates in three point bending tests. **Part I**: Static and non cyclic fatigue tests. "*Materials science*" Vol. 8, N° 4, 511-516, **2002**.

- Refereed Selected Conference Papers (not updated ???)

- 1- A. BEZAZI**, F. SCARPA, E. H. HARKATI. Mechanical behaviour of structures and materials having a negative Poisson's. *The 5th International Conference on Mechanics and Energy* (ICME'2019), December 19-21, 2019, Monastir, TUNISIA (<http://www.icme.aicme.net/>)
- 2- A. ATOUI**, S. GUENFOUD, **A. BEZAZI**, H. BOUMEDIRI, F. SCARPA, A. DUFRESNE. Chemical and thermal decomposition study of a local natural fiber *Ampelodesmos mauritanicus*. *The 5th International Conference on Mechanics and Energy* (ICME'2019), December 19-21, 2019, Monastir, TUNISIA (<http://www.icme.aicme.net/>)
- 3- G. G. DEL PINO**, **A. BEZAZI**, H. BOUMEDIRI, A. C. KIELING, A. RIVERA TORRES, J. DEHAINI, F. VALENZUELA DÍAZ. Composite materials in epoxy resin matrix using jute fibers. *The 5th International Conference on Mechanics and Energy* (ICME'2019), December 19-21, 2019, Monastir, TUNISIA (<http://www.icme.aicme.net/>)
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