



**Full name:** Mosbah ZIDANI

**Place and date of birth:** December 25<sup>th</sup>, 1973 in Batna

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**Institution:** Depart. of Mechanic Engineering, Faculty of Sciences and Technology, U. Biskra

**Current Diploma:** PHD in Science (Doctorate Metallurgy), Ability to conduct researches

**Specialty:** Metallurgy, Option: Physical Metallurgy

**Current rank:** Professor

**Specialty:** Mechanical Engineering

- **Chairman of the committee of Doctoral Training of Doctoral Training (3<sup>rd</sup> Cycle) entitled:** Materials and Structures (Ministerial decree n: 935of 31/07/2016)

#### **Skills and research areas**

- Experimental study of microstructures and deformation and recrystallization textures (SEM, EBSD, RX and neutron diffraction).
- Study of the deformation of metal alloys, recrystallization and grain growth mechanism.
- Experimental study of the reaction (precipitation/ dissolution) in metal alloys
- Corrosion of metals (Steel)
- Study and Elaboration of Metallic Materials

#### **Some research Activities and Scientific Collaboration**

- **Head of research Team :** Development and Study of Metal Material, Energy Engineering and Material Laboratory, LGEM, University of Biskra (**certified from 14/04/2012**)
- **Evaluation expert:** Review Journal of Materials Science (JMASC): Springer
- **Editorial and advisory Board member:** Review, Journal of Chemistry and Chemical Engineering (**from 23/10/2015**)
- **Editorial and advisory Board member:** Review; Journal of Applied Engineering Science & Technology (**from 01/01/2015**)

#### **2016-2017 international publications**

**M.ZIDANI, M.D.HADID, S.MESSAOUDI, F. DENDOUGA, , L.BESSAIS,. F. BAIRA, M. BAYARASSOU, A.L. HELBERT, M.H.MATHON and T. BAUDIN,***The drawing process of the wires of copper and aluminium;* Evolution of the microstructure and (mechanical/electrical) properties; publishing in Thomson Reuters database, p.442-446 (**2014**)

**M.ZIDANI, M.D.HADID, T.DJIMAOU, S.MESSAOUDI, L.BESSAIS, D.MIROUD, H.FARH, M.H.MATHON and T. BAUDIN,***The influence of aging on industrially cold drawn aluminum alloy*

(6101)used in the electric transmission lines, International Journal of Engineering Research in Africa(TTP indexed by: Thomson Reuters /Scopus -Elsevier), Vol. 24, p. 9-16 (2016)DOI:10.4028/www.scientific.net/JERA.24.9

**M.ZIDANI**, M.D.HADID, T.DJIMAOU, H.FARH, S.MESSAOUDI ,L.BESSAIS, M.H.MATHON and T. BAUDIN, *Annealing effect at low temperature on the evolution of the microstructure ,mechanical and electrical properties of a drawn aluminum wire*; Proceeding METAL 2016 Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier) pp.1595-1599 (2016)

S.MESSAOUDI, **M. ZIDANI**, M.CHENAFI, A.MEGHAZI, M.H.MATHON and T. BAUDIN, *Monitoring the Evolution of the Properties of Aluminium AGS Alloy Wire during Drawing*; Proceeding METAL 2016 „Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier) pp.327-332 (2016)

F.KHAMOULI, **M.ZIDANI**, H.FARH, A.SAOUDI, L.ATOUI,*Effects of cellulosic and basic flux on the structure, composition and hardness of SMAW welds an steel X42*, International Journal of Engineering Research in Africa (TTP indexed by: Thomson Reuters /Scopus -Elsevier)Vol.27,pp.11-19(December 16)DOI:10.4028/www.scientific.net/JERA.27.11

**M.ZIDANI**, L.BESSAIS, S. MESSAOUDI, M.D. **HADID**, H. FARH HICHEM, D. MIROUD, M.K. LOUDJANI, A.L. HELBERT, T. BAUDIN, *Study of texture, mechanical and electrical properties of cold drawn AGS alloy wire*, Steel and Composite Structures,An International Journal,Vol.22, n. 4,p745-752(Techno-press indexed by Thomson Reuters Impact factor : 1.796)(November2016)DOI: 10.12989/scs.2016.22.4.745

K.DJEMMAL , H.FARH , R.GUEMINI , **M.ZIDANI** and F.SERRADJ,*Effect of Natural and Artificial Aging on the Mechanical Properties of Two Al-Mg-Si Alloys*, International Journal of Engineering Research in Africa (TTP indexed by: Thomson Reuters /Scopus -Elsevier)Vol. 28, pp. 1-7, (2017)DOI:10.4028/www.scientific.net/JERA.28.1

## Organization of Scientific Events

- **Invited Speaker**, plenary conference entitled: Study of the deformation and recrystallization texture by EBSD of ferrous and non ferrous metals, The EMN Meeting Texture and Microstructure Meeting, EMN2016, Hong Kong , December 18-22 (2016)
- **Invited Speaker**, plenary conference entitled: Multiscale characterization of the deformation texture and re-crystallization texture by EBSD of industrial alloys (Cu and Al),:International conference on Frontiers in Materials Processing, Application, Research & Technology (FiMPART),Bordeaux, France, July09-12(2017)
- **Président de comité d’organisation des Journées; Conférences Formation doctorale, Matériaux et Structures (CFD'MS'17), Biskra-Algérie, 09 Février (1<sup>ère</sup> session), 22Février (2<sup>ième</sup> session) et 01 Mars (3<sup>ième</sup> session) (2017)**