



Full name: Mosbah ZIDANI

Date and place of birth: 25/12/1973 in Batna, Alegria

Family situation: married with 03 children

E-mail: m.zidani@univ-batna2.dz / zidani.sabih@gmail.com

Mobile : 0664177171

Personal website: <http://staff.univ-batna2.dz/zidani-mosbah>

<https://www.scopus.com/authid/detail.uri?authorId=23136061800>

<https://orcid.org/0000-0002-7229-8841>

<https://www.semanticscholar.org/author/Mosbah-Zidani/94184758>

Institution: Faculty of Technology, Batna 2 University, (Algeria)

Energy Engineering and Material Laboratory, LGEM, University of Biskra (Algeria)

Current Diplomat: PHD in Science (Doctorate Metallurgy Option: Physical Metallurgy)

Ability to conduct researches (Habilitation)

Current scientific grade: Professor

Specialty: Metallurgy and Materials Engineering

Curriculum Vitae

Obtained Diplomats

- **Baccalaureate:** Technical Maths at Batna's Technicum, 1991.
- **State Engineer in Mechanics:** Option: Mechanic Construction, University of Batna, 1996.
- **Magister in Mechanics:** Option: Physical Metallurgy, University of Batna, 2001.
- **Doctorate Metallurgy:** Option: Physical Metallurgy, University of Biskra, 2006.
- **University Habilitation:** Option: Metallurgy, University of Annaba, 2012.

Teaching Experience

- **Associate teacher:** University of Batna (1997-2001)
- **Trainee Assistant Teacher:** University of Biskra (from 15/12/2002 to 14/9/2003)
- **Assistant Teacher:** University of Biskra (from 15/9/2003 to 17/12/2005)
- **Assistant Teacher in Charge of Courses:** University of Biskra (from 18/12/2005 to 31/12/2007)
- **Assistant Teacher A:** University of Biskra (from 1/01/2008 to 1/11/2008)
- **Lecturer B:** University of Biskra (from 2/11/2008 to 29/01/2012)
- **Lecturer A:** University of Biskra (from 30/01/2012 to 13/07/2016)
- **Professor:** University of Biskra (from 14/07/2016 to 29/12/2019)
- **Professor:** Batna 2 University (from 30/12/2019)

Administrative Office Positions

- **Assistant Chief of Department:** Department of Metallurgy, University of Biskra (from 15/10/2004 to 31/9/2005)
- **Member in Scientific Committee** of Department of Metallurgy, University of Biskra (from 1/10/2004 to 31/6/2007)
- **President of Scientific Committee:** Department of Metallurgy, University of Biskra (from 28/10/2007 to 31/6/2009)
- **Head of Research Team:** Study and Elaboration of Metallic Materials, Laboratory of Energetics Engineering and Materials, LGEM University of Biskra (from 14/4/2012 to present)
- **Member in the Committee of Doctoral Training (3rd Cycle)** entitled: Industrial Metals (Ministerial decree n: 16 of 30/9/2015)
- **Chairman of the committee of Doctoral Training of Doctoral Training (3rd Cycle)** entitled: Materials and Structures (Ministerial decree n: 935 of 31/07/2016)
- **Member in the Committee of Doctoral Training (3rd Cycle)** entitled: Industrial Metals (Ministerial decree n: 834 of 27/07/2017: Renewal)
- **Legal expert accredited to the court of Batna:** (Ministerial decree n: 10690 of 12/03/2017)
- **Member of the Scientific Council** of the Faculty of Science and Technology, University of Biskra (from 29 /06 / 2017 to 29/12/2019)
- **Responsible in the Committee of Doctoral Training (3rd Cycle)** entitled: Metallurgy, Specialty: Shaping of metals and alloys (Ministerial decree n: 1434 of 21/08/2019)
- **Member in Scientific Committee** of Department of Science and Technology, University of Batna 2 (from 07/07/2020: Ministerial decision n °: 429)
- **President of the regional commission (HU)** - Regional Conference of Eastern Universities (CRU-Est), (from 08/11/2021 Ministerial decree n: 1185)
- **Scientific adviser at the MESRS** (from 22/06/2022 Ministerial decree N ° 705)
- **Member of the technical committee for monitoring start-up projects** of the faculty of technology, University of Batna2, (from 13/12/2022, decree n: 48).

Skills and research areas

- Experimental study of texture and microstructure (deformation / recristallization) by: EBSD, DRX and neutron diffraction
- Surface engineering and coatings (elaboration, characterization, wear and corrosion)
- Microstructural and mechanical properties of metallic materials (ferrous and nonferrous)
- Experimental study of the reaction (precipitation/ dissolution) in metal alloys
- Study and Elaboration of Metallic Materials

Recent international publications

- **M.ZIDANI, S. MESSAOUDI, T. BAUDIN, D. SOLAS and M. H. MATHON**, *Deformation textures in wire drawn perlite steel*. International Journal of Material Forming (Springer indexed by Scopus) Vol.3, p.7-11 (2010).
- **M.ZIDANI, S. MESSAOUDI, C. DERFOUF, A. BOULAGROUN, M.H. MATHON and T. BAUDIN**, *Evolution of mechanical and electrical properties during annealing of the copper wire drawn* ; American Institute of physics (Elsevier- AIP publisher), Vol. 1400, p.579-584 (2011).

- **M.ZIDANI**, S. MESSAOUDI, F.DENDOUGA, T. BAUDIN, C. DERFOUF, A. BOULAGROUN and M.H. MATHON, *Study of the relation between microstructure and properties (mechanical/electrical) of copper wire drawing and annealed* ; Acta Physica Polonica A, (indexed by Thomson Reuters- ICI Journals Master List), Issue 2 , Vol.123, n:2,p.470-472 (2013).
- **M.ZIDANI**, S. MESSAOUDI, F.DENDOUGA, T. BAUDIN, C. DERFOUF, A. BOULAGROUN and M.H. MATHON, *Multi-scale analysis by SEM, EBSD and X-ray diffraction of deformation texture of a copper wire drawn industrially*; Matec web of conference (Published by EDP Sciences indexed by Scopus, Web of science) , Vol.5, n:04004,p.1-3 (2013).
- **M.ZIDANI**, F. DENDOUGA, S.MESSAOUDI, L.BESSAIS, M.D.HADID. C. DERFOUF, A.L. HELBERT and T. BAUDIN, *Characteristics of Texture Evolution of Copper Wire Drawn Distended for Electrical Cabling by Electron Back Scattering Diffraction*; Proceeding METAL 2013 Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier), p.502-506 (2013).
- S.MESSAOUDI, **M.ZIDANI**, M.H. MATHON and T. BAUDIN, *Evolution of Texture and Mechanical and Electrical Properties in the Copper Wires: Drawn and Annealed*; Proceeding METAL 20163 Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier), p.1085-1900 (2013).
- **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; Proceeding METAL 2014 Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus - Elsevier), 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 JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier)Vol.27,pp.11-19 (2016)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,p 745-752 (Techno-press indexed by Thomson Reuters Impact factor : 1.796) (November 2016) 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 JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier) Vol. 28, pp. 1-7, (2017) DOI:10.4028/www.scientific.net/JERA.28.1
- A.SAOUDI, F.KHAMOULI, L.ATOUI, **M.ZIDANI** and H.FARH, *Statistical Distribution Analysis of Mechanical Properties of a Welded Pipeline steel API X70 and Correlation between Hardness and other Mechanical Characteristics*, International Journal of JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier) Vol. 30, pp. 49-64, (2017).
- F.BAIRA, **M.ZIDANI**, H. FARH, S. MESSAOUDI, T. ZIAR, A.L. HELBERT and T.BAUDIN, *Deformation and Recrystallised texture evolution and follows the mechanical and electrical properties of drawn and annealed copper wires*, International Journal JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier) Vol. 31, pp. 20-28, (2017)

- L.MEBARKI, **M.ZIDANI**, S.MECHACHETI, H. FARH, and D.MIROUD, Effect Of Nickel Addition Study On The Mechanical Properties Of The (Fe₃c-Ni) Alloy Obtained By Solid Phase Compaction And Sintering, International Journal JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier)) Vol. 32, pp. 18-24 (2017)
- S. MECHACHTI, O. BENCHIHEUB, A. ABIDI, N. GHERRAF3, **M. ZIDANI** AND H. FARH, Property evaluation of Nitrided Layers of Porous Sintered Iron, International Journal JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier)) Vol. 32, pp. 11-17 (2017).
- **M.ZIDANI**, L.BESSAIS, H.FARH, S.MESSAOUDI, M.D.DJIMAOU, D.TOUFIK, D.MIROUD, M. H. MATHON, A.L. HELBERT, M. K. LOUDJANI, T. BAUDIN, Microstructural evolution as well as mechanical and electrical properties of AA 6101 wire during recrystallization annealing treatment; Proceedings METAL 2017, Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier)) pp. 1958-1963 (2018).
- S. MESSAOUDI, **M.ZIDANI**, L. BESSAIS, T. DJIMAOU, M. H. MATHON, A.L. HELBERT, F. BRISSET and T. BAUDIN,, Effect of heat treatment on the properties of aluminum alloy ags 6101 after wire drawing.; Proceedings METAL 2017 „Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier) pp. 390-395 (2018).
- T.DJIMAOU, **M.ZIDANI**, M.C. NEBBAR, T.ABID, H. Farh, A.L. Helbert, F. Brisset and T.Baudin, Study of microstructural and mechanical behavior of mild steel wires cold drawn at TREFISOUD, International Journal JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier) Vol. 36, pp. 53-59 (2018).
- M.BAYARASSOU, **M.ZIDANI**, , H. FARH, Microstructural Evolution and Mechanical Properties during Homogenization and Ageing Treatment of Al-Mg-Si Alloy Wire Cold Drawn, International Journal JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier), Vol. 36, pp. 60-68 (2018).
- F. BAIRA, **M. ZIDANI**, T.BAUDIN, Etude de la texture et les propriétés mécaniques et électriques des fils de cuivre tréfilés et recuits, Proceedings of Engineering and Technology – PET, GEEE-2018, Sousse,Tunisia,Vol.39, pp.1-6 (PET Journal indexed by: Scopus -Elsevier) (2018).
- L.MIBARKI, **M. ZIDANI**, A. BOUKHOBZA, S.MECHACHTI and K. FEDAOUI Effect of the proportion of tungsten element on the mechanical and structural properties of (Fe₃C - W - Ni) sintered alloy, Diffusion Foundation: TTP, Vol. 18, pp.35-40 (2018).
- F. KHAMOULI, **M. ZIDANI**, K. DIGHECHE, A. SAOUDI AND L.ATOUI, Effect of E6010 and E8018-G Fluxes utilization on SMAW multi-pass welded steel, Diffusion Foundation: TTP, Vol.18,pp. 55-64 (2018).
- M.BAYARASSOU, **M.ZIDANI**, H. FARH, Influence of aging treatments on the structural and mechanical properties of AGS Alloy wire cold drawn, Diffusion Foundation: TTP Vol.18, pp.73-78 (2018).
- **M.ZIDANI**, L.BESSAIS, H.FARH, S.MESSAOUDI, H.FARH, F.BAIRA, M.H.MATHON, A-L. HELBERT, F. BRISSET and T. BAUDIN, Multi-scale analysis by EBSD, X-ray diffraction and neutron diffraction of microstructure and texture of Al-Mg-Si aluminum alloy wires drawn and annealed; Proceedings METAL 2018, Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier)) pp. 310-315 (2018).
- S.MESSAOUDI, **M.ZIDANI**, M.D.HADD, M.H.MATHON, A-L. HELBERT, F. BRISSET and T. BAUDIN, Study of the Precipitation in AGS 6101 Aluminum Alloy Wires at Room Temperature and the Effect of Deformation ; Proceedings METAL 2018, Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier)) pp. 304-309 (2018).
- H. BELGHIT, H. FARH, T. ZIAR, **M. ZIDANI**, M. GUEMINI, Study of mechanical properties and precipitation reactions in low copper containing Al-Mg-Si alloy, Archives of metallurgy and materials (indexed by: Thomson Reuters /Scopus -Elsevier) Vol.63, n: 4, pp.1643-1648 (2018).
- MC. NEBBAR, **M. ZIDANI**, T. DJIMAOU, T. ABID, H.FARH, T. ZIAR,, A.L. HELBERT, F. BRISSET, T.BAUDIN , Microstructural evolutions and mechanical properties of drawn medium carbon steel wire , International Journal JERA (TTP indexed by: Thomson Reuters /Scopus -Elsevier) Vol.41, pp.01-07 (2019).
- F. KHAMOULI, **M. ZIDANI**, K. DIGHECHE, A. SAOUDI and L.ATOUI, Influence of Cellulosic Fluxes on the Chemical Composition, Microstructure, Inclusions and Micro-Hardness of SMAW Multi-Pass Welds of X42 Steel, Solid State Phenomena: (TTP indexed by: Scopus -Elsevier), Vol.297, pp.62-70 (2019).

- F. KHAMOULI, **M. ZIDANI**, K. DIGHECHE, A. SAOUDI, H.MOUSSI and L.ATOUI, Chemical Characterization of the Crystalline Phases in Agglomerated Fluxes and Slags for Shielded Metal Arc Welding (SMAW), Solid State Phenomena: (TTP indexed by: Scopus -Elsevier), Vol.297, pp.151-164 (2019).
- M. BAYARASSOU, F. BAIRA, **M. ZIDANI**, T. DJIMAOUÏ and K. FEDAOUI, Study of the effect of aging on precipitation in wire drawn and annealed aluminum alloy (AGS) Defect and Diffusion Forum (TTP indexed by: Scopus -Elsevier), Vol.397, pp.76-80 (2019).
- **M.ZIDANI**, M.C.NEBBAR, T.DJIMAOUÏ, S.MESSAOUDI, H.FARH, A-L. HELBERT, F. BRISSET and T. BAUDIN, Mechanical behavior and texture evolution study of medium carbon steel wires during industrial wire-drawing process; Proceedings METAL 2019, Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier) pp. 344-348(2019).
- S.MESSAOUDI, T.DJIMAOUÏ, **M.ZIDANI**, M.C.NEBBAR, M.H.MATHON, A-L. HELBERT, F. BRISSET and T. BAUDIN, Texture analysis of mild steel soldering rod, Proceedings METAL 2019, Brno, Czech Republic, EU, (indexed by: Thomson Reuters /Scopus -Elsevier) pp. 338-343 (2019).
- A.KISRANE-BOUZIDI, **M. ZIDANI**, M.C. NEBBAR. T. ABID, A.L. HELBERT, F. BRISSET, T.BAUDIN, Mechanical Properties and Texture Evolution of High-Carbon Steel Wires during: Strand Manufacturing, International Journal JERA (TTP indexed by: Thomson Reuters /Scopus - Elsevier) Vol.49, pp 130-138 (2020).
- S. MOKHTARA, **M. ZIDANI**, M. M. ALIM. S. MECHACHTI, Plasma Nitriding of Hard Chromium Electroplated Low Alloy AISI 4340 Steel in Pure Nitrogen Gas Atmosphere, International Journal JNanoR (TTP : indexed by: Thomson Reuters / Scopus -Elsevier) Vol. 65, pp.135-144 (2020).
- M.C. NEBBAR, **M. ZIDANI**, S.MESSAOUDI, T. ABID, A.KISRANE-BOUZIDI, T.BAUDIN , Wire drawing effect on microstructural and textural evolution in medium carbon steel wire , Defect and Diffusion Forum: (TTP: indexed by: Scopus -Elsevier) Vol. 406, pp. 505-510 (2021)
- M.F. BENLAMNOUAR, N. BENSALD, R. BADJI, T. SAADI, M.IDDIR, **M. ZIDANI**, M.A. SOUALIL, Study of the influence of wire metals on dissimilar welds, IOP Conf. Ser.: Mater. Sci. Eng (Springer: Thomson Reuters /Scopus -Elsevier) Vol. 1233 012008 (2022)
- N. BENSALD, M.F. BENLAMNOUAR, R. BADJI, T. SAADI, **M. ZIDANI**, M. GOUSMINE , Microstructural and mechanical characterization of HSLAX70 Welded joints using eddy current testing ECT), IOP Conf. Ser.: Mater. Sci. Eng (Springer: Thomson Reuters /Scopus -Elsevier) Vol. 1233 012012 (2022)
- T. ABID, M.C. NEBBAR, **M. ZIDANI**, M. REDOUANE, T.BAUDIN , Effect of deformation rate on microstructure and drawability of medium carbon steel wires , Metal Science and Heat Treatment (Springer: Thomson Reuters /Scopus -Elsevier) Vol. 64, pp. 495-502 (2023)
- S. MOKHTARA, **M. ZIDANI**, M. M. ALIM. S.MESSAOUDI, L. MEBARKI, S. MECHACHTI Effect of Nitriding Nitrogen Pressure on the Structural, Morphological, Mechanical and Tribological Properties of plasma nitrided Hard Chromium Electroplated Layer, Transactions of the IMF, (Taylor & Francis Online, indexed by: Thomson Reuters / Scopus -Elsevier) (Published online: 07 Jul 2023).

Recent National publications

- M.D. HADID, **M. ZIDANI**, S. MESSAOUDI, L. BESSAIS, F. BAIRA, M.H. MATHON et T. BAUDIN, Caractérisation de la (microstructure/texture) et étude de comportement mécanique et électrique d'un fil d'aluminium tréfilé destiné au câblage électrique, Proceedings 2nd International Symposium on Materials and Sustainable Development (2CIMDD'15), Boumerdes, 9-10 Novembre, pp.124-127 (2015) www.urmpe.dz/valorisation-scientifique/livres.html
- **M. ZIDANI**, T. DJIMAOUÏ et M.D. HADID. Effet du traitement thermique sur différents propriétés de l'alliage d'aluminium AGS tréfilé industriellement. Revue science des matériaux, Laboratoire LARHYSS (N°08) Vol.7, n:2, p.35-41 (2016) <http://revues.univ-biskra.dz/index.php/sdm/article/view/1531/0>

- M.MEFTAH, **M. ZIDANI**, M.T.BOUZIANE et M. TATA. La protection active des anciens réseaux des distributions de gaz naturel. Revue science des matériaux, Laboratoire LARHYSS (N°08), Vol.7, n:2, p.42-47 (2016).
- D.MIROUD, **M. ZIDANI**, S. AKLOUCHE et M. TATA. Effet de la formation d'agglomérats de W/Ni au cours du chauffage sur la densification du composite W-15Ni infiltré par le bronze industriel Cu-9Ni-6Sn. Revue science des matériaux, Laboratoire LARHYSS (N°08), Vol.7,n:2, p. 01-07 (2016).
- T.DJIMAOUI, **M.ZIDANI**, A.KISRANE BOUZIDI, M.C. NEBBAR L.MEBARKI,T.ABID. Etude de comportement au tréfilage des fils en acier doux destinés pour des applications industriels . Revue science des matériaux, Laboratoire LARHYSS (N°09), Vol.9,n:1, p. 36-43 (2017) <http://revues.univ-biskra.dz/index.php/sdm/article/view/2164>.
- F. BAIRA, **M. ZIDANI** S. MESSAOUDI, L. AISSANI, T.BAUDIN, Influence du traitement de recuit sur la microstructure et les propriétés mécaniques et électriques d'un fil de cuivre tréfilé industriellement, Proceedings 4Th International Conference on Energy, Materials, Applied Energetics and pollution (ICEMAER'18), Constantine, Algérie ,29th and 30th Vol.3, pp. 1408-1416, April (2018).

International conference (82 participation): the last ten years

1. S.MESSAOUDI, **M.ZIDANI**, T.BAUDIN,C.DERFOUF, A. BOULAGROUN and M.H.MATHON, deformation texture in wire drawn copper, 21th Int. Metallurgical & Material Conf.(METAL 2012), Brno, Czech Republic, May 23-25 (2012).
2. **M.ZIDANI**, S.MESSAOUDI, F. DENDOUGA, T. BAUDIN, C.Derfouf, A.BOULAGROUN and M.H.MATHON, Multi-scale analysis by SEM, EBSD and X-ray diffraction of deformation texture of a copper wire drawn industrially, XIIème Rencontre Marocaine sur la Chimie de l'Etat Solide (REMCESSXII), Maroc, November 21-23 (2012).
3. **M.ZIDANI**, F. DENDOUGA, S.MESSAOUDI, M.D.HADID, L.BESSAIS, C.DERFOUF, A.L.HELBERTa and T. BAUDIN ,Characteristics of Texture Evolution of Copper Wire Drawn Distended for Electrical Cabling by Electron Back Scattering Diffraction, 22th Int. Metallurgical & Material Conf.(METAL 2013), Brno, Czech Republic, May 15-17 (2013).
4. S.MESSAOUDI, **M.ZIDANI**, T.BAUDIN, C.DERFOUF, and A.BOULAGROUN, Evolution of Texture and Mechanical and Electrical Properties in the Copper Wires: Drawn and Annealed, 22th Int. Metallurgical & Material Conf.(METAL 2013), Brno, Czech Republic, May 15-17 (2013).
5. **M.ZIDANI**, F.DENDOUGA, S.MESSAOUDI, M.D.HADID, T. BAUDIN, et C. DERFOUF, Evolution de la (Microstructure/Texture) et l'Energie Stokée d'un Fil d'Acier Perlitique Tréfilé Industriellement à Froid. Congrès Algérien de Mécanique, Mascara-Algérie, 25-28 Novembre (2013) 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; 23th Int. Metallurgical & Material Conf .(METAL 2014), Brno, Czech Republic, May 21-23 (2014).
6. F.KHAMOULI, L.ATOUI, **M.ZIDANI**, Etude et Caractérisation Structurale d'un Cordon de soudure à l'arc électrique : Application sur un Acier x42. Première Workshop International sur la Mécanique des Structures et des matériaux, Batna-Algérie, 19-20 Novembre (2014)
7. F.KHAMOULI, **M.ZIDANI**, A.SAoudi and L.ATOUI, Effet de la soudure sur la structure d'un acier industriel a faible teneur en carbone. Congrès Algérien de Mécanique, El Oued-Algérie, 25-29 Octobre (2015)
8. F.KHAMOULI, A.SAoudi, **M.ZIDANI**, L.ATOUI, Caractérisation des joints soudés par le procédé SMAW des aciers pour pipelines. (MATERIAUX 2015) Mahdia, Tunisie 22-26 Mars (2015)
9. M.D. HADID, **M. ZIDANI**, S. MESSAOUDI, L. BESSAIS, F. BAIRA, M.H. MATHON et T. BAUDIN, Caractérisation de la (microstructure/texture) et étude de comportement mécanique et électrique d'un fil d'aluminium tréfilé destiné au câblage électrique, 2nd International Syposium on Materials and Sustainable Development (2CIMDD'15), Boumerdes, 9-10 Novembre (2015)
10. M.D. HADID, **M. ZIDANI**, S. MESSAOUDI, L. BESSAIS, F. BAIRA, M.H. MATHON et T. BAUDIN, Effet de la déformation mécanique sur les propriétés d'un alliage d'aluminium, 3ème Conférence Internationale sur: La Maintenance et la Sécurité industrielle (CIMSI'15), Skikda, 9-10 Novembre (2015).
11. M.D. HADID, **M. ZIDANI**, S. MESSAOUDI, L. BESSAIS, F. BAIRA, M.H. MATHON et T. BAUDIN, "Effet de la formation de précipités Mg₂Si sur la microstructure et les propriétés mécaniques d'un alliage d'aluminium", First Conference on Mechanical, Energy and Material (CMEME 2015), Biskra, 8-9 December (2015)

12. T. DJIMAOUI, **M. ZIDANI**, S. MESSAOUDI, L. BESSAIS et T. BAUDIN, Etude et caractérisation d'un fil d'aluminium tréfilé et revenu à basse température : application à la câblerie électrique, First Conference on Mechanical, Energy and Material (CMEME 2015), Biskra, 8-9 December (2015).
13. B. METLOUG, M. ZIDANI, T.DJIMAOUI, S. MESSAOUDI, F. BAIRA et T. BAUDIN, Effet du taux de déformation sur la cinétique de recristallisation des fils de cuivre tréfilés industriellement à l'ENICAB, First Conference on Mechanical, Energy and Material (CMEME 2015), Biskra, 8-9 December (2015)
14. L.BESSAIS, **M. ZIDANI**, S. MESSAOUDI, M.D. HADID, M.H. MATHON et T. BAUDIN, Etude des comportements mécanique et électrique et suivi de l'évolution de la texture d'un fil d'aluminium tréfilé destiné au câblage électrique, First Conference on Mechanical, Energy and Material (CMEME 2015), Biskra, 8-9 December (2015)
15. R.MEFTAH et **M. ZIDANI**, Combien coûte la protection contre la corrosion? Etude et dimensionnement de la protection cathodique par anode sacrificielle et par soutirage, First Conference on Mechanical, Energy and Material (CMEME 2015), Biskra, 8-9 December (2015)
16. F.KHAMOULI, **M. ZIDANI**, A.SAOUDI et L.ATOUI, Comportement métallurgique d'un acier faiblement allié après un soudage manuel à l'arc électrique, First Conference on Mechanical, Energy and Material (CMEME 2015), Biskra, 8-9 December (2015)
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16. S. BENCHOUIA, **M. ZIDANI**, S.MESSAOUDI, T. BAUDIN, étude de tréfilage du fil de cuivre destiné au câblage électrique, Deuxièmes journées d'étude sur les matériaux en génie mécanique, JEMGM-II, Biskra-Algérie, 22,23 avril (2014).
17. H. R. BENZINE, **M. ZIDANI**, H. TAOUI, I. HAMIDI, K. MAACHE, the nitinol and its medical uses, Deuxièmes journées d'étude sur les matériaux en génie mécanique, JEMGM-II, Biskra-Algérie, 22,23 avril (2014).
18. M. MOUNYA, **M. ZIDANI**, les procédés de mise en forme des matériaux, Deuxièmes journées d'étude sur les matériaux en génie mécanique, JEMGM-II, Biskra-Algérie, 22,23 avril (2014).
19. M.D.HADID, **M.ZIDANI**, S.MESSAOUDI, L.BESSAIS, M. BAYARASSOU, F.BAIRA, M.H.MATHON, T. BAUDIN, Etude d'un alliage d'aluminium à durcissement structural de nuance 6101, Deuxièmes journées d'étude sur les matériaux en génie mécanique, JEMGM-II, Biskra-Algérie 22,23 avril (2014).
20. F. KHAMOULI, L. ATOUI, **M. ZIDANI**, Effet de la soudure sur la structure de l'acier x42, Deuxièmes journées d'étude sur les matériaux en génie mécanique, JEMGM-II, Biskra-Algérie 22,23 avril (2014).
21. **M.ZIDANI**, L.BESSAIS, S.MESSAOUDI, M.D.HADID, F.BAIRA, A.L.HELBERT, T. BAUDIN, Etude comparative (mécaniques/ électriques) des deux fils (Cu/Al) tréfilés industriellement utilisés dans la fabrication des câbles de transport d'énergie électrique, Deuxièmes journées d'étude sur les matériaux en génie mécanique, JEMGM-II, Biskra-Algérie 22,23 avril (2014).
22. F. KHAMOULI, L. ATOUI, **M. ZIDANI**, Caractérisation de soudage manuel à l'arc électrique enrobage des aciers faiblement allié X 4, 1ère journée d'étude scientifique (doctorants) JEJS Batna-Algérie, 28 avril (2014).
23. M.D.HADID, **M.ZIDANI**, S.MESSAOUDI, L.BESSAIS, F.BAIRA, A.L.HELBERT, T. BAUDIN, Etude de l'évolution de la microstructure et des propriétés mécaniques d'un fil en alliage d'aluminium tréfilé industriellement à froid, Journées d'étude sur la fonderie et l'environnement JEFE, Annaba-Algérie, 7-8 Mai (2014).
24. **M.ZIDANI**, M.D.HADID, S.MESSAOUDI, L.BESSAIS, F.BAIRA, A.L.HELBERT, A.L.HELBERT, T. BAUDIN, Etude des propriétés (Mécaniques/ Electrique) des deux fils de cuivre et d'aluminium tréfilés industriellement utilisés dans la fabrication des câbles de transport d'énergie électrique. Cinquième séminaire nationale sur les matériaux, procédés et environnement, Boumerdès-Algérie, 11-12 Mai (2014).
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26. M.D.HADID, **M.ZIDANI**, T.DJIMAOU, S.MESSAOUDI, L.BESSAIS, MIROUD, M.H.MATHON, T. BAUDIN, Incoherent Precipitation in Billets Cast of 6101 Alloy used for Drawn and Artificial Aged Wires , 6ème Séminaire National sur les Matériaux, Procédés et Environnement SNMPE-2016, Boumerdès - Algérie, 07 -08 November (2016).
27. F. KHAMOULI, **M. ZIDANI**, A.SAOUDI, L. ATOUI, Investigation Métallurgique et Mécanique des Joints Soudés par le Procédé SMAW: Application sur des Aciers Utilisés dans la Construction des Gazoducs, 6ème Séminaire National sur les Matériaux, Procédés et Environnement (SNMPE-2016), Boumerdès -Algérie, 07 -08 November (2016).
28. **M.ZIDANI**, Caractérisation par EBSD de la microstructure et la texture des alliages de cuivre aluminium (AGS) destinés a des applications industrielles, Conférences Formation doctorale, Matériaux et Structures (CFD'MS'17), Biskra-Algérie, 09 Février (2017).
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30. L.MEBARKI, **M.ZIDANI**, S.MECHACHTI, Elaboration et caractérisation d'un alliage à base de fer par la métallurgie des poudres, Conférences Formation doctorale, Matériaux et Structures (CFD'MS'17), Biskra-Algérie, 22 Février (2017).
31. **M.ZIDANI**, Simulation Numérique en Open Source , organisé par le laboratoire LABAB avec la participation des Universités Algériennes et du Réseau Code_Aster ProNet. WorkSNOS 2017, l'École Nationale Polytechnique - Maurice Audin - ORAN-Algérie, 26 avril (2017).
32. A.KISRANE BOUZIDI, **M.ZIDANI**, T.DJIMAOU, L.MEBARKI, T.ABID, Investigation of a High-Carbon Steel Wire Rod Used for the Manufacture of Strands, Congrès Algérien de Mécanique, (CAM'17) Constantine, Algérie, 26-30 Novembre (2017).
33. L. MEBARKI, **M.ZIDANI**, S.MECHACHTI, K. FEDAOUI , A. BOUKHOBZA, Microstructure et propriétés mécaniques d'un alliage dur WC-Co-TiC, Congrès Algérien de Mécanique, (CAM'17) Constantine, Algérie, 26-30 Novembre (2017).
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35. L.AISSANI, M. FLLAH, C.NOUVEAU, **M.ZIDANI**, Etude des propriétés structurale et mécanique des couches minces de Cr-V-N, Le 1er Séminaire national sur Technologie des matériaux et application (SNTMA'18), El Oued-Algérie, 25-26 Février (2018).
36. A.KISRANE BOUZIDI, **M.ZIDANI**, T.ABID, Mechanical properties of pearlitic steel wires obtained by hot rolling intended for manufacture of strands, 4ème journées d'études sur la mécanique des structures et des matériaux (4JEMSM' 2018) Sidi Bel Abbes, Algérie, 16-17 Avril (2018)
37. **M.ZIDANI**, Etude de la texture cristallographique par l'EBSD : Application sur des alliages industriels, Journée d'Etude; Nanomatériaux et leurs application pour le développement durable (JELMSSEF'18), Oum El Bouaghi, 19 Avril (2018)
38. F.BAIRA, **M. ZIDANI** S. MESSAOUDI, L. AISSANI, T.BAUDIN , Etude de la texture et de comportement mécaniques et électriques des fils en cuivre tréfilés et recuits, Journée d'Etude; Nanomatériaux et leur application pour le développement durable (JELMSSEF'18), Oum El Bouaghi, 19 Avril (2018)
39. L.AISSANI, M. FELLAH, C. NOUVEAU, **M. ZIDANI**, Caractérisation structurale et mécanique des couches minces à carbures de chrome déposées par PVD, Journée d'Etude; Nanomatériaux et leurs application pour le développement durable (JELMSSEF'18), Oum El Bouaghi, 19 Avril (2018)
40. F. BAIRA, **M. ZIDANI**, S. MESSAOUDI, H.FARH, T.BAUDIN , Study of the evolution of the deformation and recrystallization texture during the drawing of DUCAB copper wire, 1er Journée nationale en Energies Renouvelables et Matériaux Avancés (JNERMA'18) , Oum El Bouaghi, 13 Novembre (2018).
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42. M.C.NEBBAR, **M.ZIDANI**, T.DJIMAOU, T.ABID, Microstructural and Strength Behavior of Medium Carbon Steel during Industrial Wire Drawing Process, 1er Journée nationale en Energies Renouvelables et Matériaux Avancés (JNERMA'18) , Oum El Bouaghi, 13 Novembre (2018).

43. K. FEDAOUI, L. MEBARKI, **M. ZIDANI**, A. BOUKHOBZA, L. BAROURA, K. ARAR Excremental studies of the mechanical and structural properties of ferro-titanium (Fe-Ti) alloys, 1^{er} Journée nationale en Energies Renouvelables et Matériaux Avancés (JNERMA'18), Oum El Bouaghi, 13 Novembre (2018).
44. **M.ZIDANI**, T.BAUDIN, Etude de l'évolution de la microstructure et de la texture des alliages déformés et recuits en utilisant la technique de l'EBSD, 1^{er} Journée nationale en Energies Renouvelables et Matériaux Avancés (JNERMA'18), Oum El Bouaghi, 13 Novembre (2018).
45. H. FARH, T.ZIAR, H.BELGHIT,**M.ZIDANI**, microstructural mechanical properties of cold rolled Al-Mg-Si alloy, 1^{er} Journée nationale en Energies Renouvelables et Matériaux Avancés (JNERMA'18), Oum El Bouaghi, 13 Novembre (2018).
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47. T.DJIMAOUI, **M.ZIDANI**, M.C.NEBBAR, S.MESSAOUDI, T.ABID, T.BAUDIN Characterization of structural and mechanical behavior of mild steel wires deformed industrially drawn at TREFISOUD, Journée Nationale : Etude des Matériaux : Elaboration et Modélisation (MEM'18), Université 8 mai 1945 GUELMA, Algérie 13 Décembre (2018).
48. A.KISRANE BOUZIDI, **M.ZIDANI**, Metallurgical aspects of strand steel wires, Journée de Métallurgie (JM'2019), Biskra, Algérie 10 Novembre (2019).
49. S. MOKHTARA, **M.ZIDANI**, Duplex treatment of 35NCD6 steel, Journée de Métallurgie (JM'2019), Biskra, Algérie 10 Novembre (2019).
50. M.C NEBBAR, **M.ZIDANI**, S. BOUHAF KHERCHACHI, T. ABID, Microstructural behavior of medium-carbon steel wires, Algerian Symposium on Renewable Energy and Materials (ASREM2020), Médéa, Algeria, 16-17 December (2020): **Presentation of oral communication online**
51. S. MOKHTARA, **M.ZIDANI**, M. M. ALIM, S. MECHACHTI, Structural and morphological properties of a duplex layer deposited on low alloy steel, Algerian Symposium on Renewable Energy and Materials (ASREM2020), Médéa, Algeria, 16-17 December (2020): **Presentation of oral communication online**
52. M. MEYSSOUNE, **M. ZIDANI**, H.BOUTEFNOUCHET and T.ABID, Study of the properties of hard drawn steel wires industrially intended for the manufacture of stranded cables, 1^{er} Séminaire National en Génie des Procédés(SNGP2021) Ouargla, Algérie 18-19 Octobre (2021)
53. A. OURABI, **M. ZIDANI**, S. BOUHAF KHERCHACHI and T.ABID, Study of the properties of medium-carbon steel wires deformed by the industrial wire-drawing process, 1^{er} Séminaire National en Génie des Procédés(SNGP2021) Ouargla, Algérie 18-19 Octobre (2021)
54. A. OURABI, **M. ZIDANI**, MERIEM MEYSSOUN, S. BOUHAF KHERCHACHI and T.ABID, Study of the behavior of industrially cold drawn medium carbon steel wires, 1^{ères} Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre (2021)
55. S. MECHACHTI, O. BENCHIHEUB, S. SERRAI, **M. ZIDANI**, Action des traitements thermo-chimiques à bain de sels liquide sur les propriétés mécaniques des aciers frittés, 1^{ères} Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre (2021)
56. S. BOUHAF KHERCHACHI, **M. ZIDANI**, A. OURABI, M.C.NEBBAR, I. DJIMAOUI, Effect of annealing treatment on microstructure and Mechanical properties of cold-deformed medium carbon steel wires, 1^{ères} Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre (2021)
57. N. H. BERRAMDAN, H.BOUTEFNOUCHET,**M. ZIDANI**, Synthesis of metal matrix composite powder by mechanical alloying., 1^{ères} Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre (2021)
58. L.MEBARKI, **M. ZIDANI**, K. FEDAOUI, L. GHALMI, Influence des éléments d'additions sur les caractéristiques mécaniques et structurales d'un alliage à base de fer élaborée par la métallurgie des poudres, 1^{ères} Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre (2021)
59. F.BAIRA, **M. ZIDANI**, M. BAYARASSOU, S. MESSAOUDI, Effet du traitement de recuit sur le comportement des fils en cuivre tréfilés industriellement, 1^{ères} Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre (2021)

60. M.MERIEM, **M. ZIDANI**, H. BOUTEFNOUCHET , A. OURABI, T. ABID, Etude du comportement mécanique et structural de fil en acier dur : application au tréfilage industriel, 1ères Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre **(2021)**
61. M. C. NEBBAR, **M. ZIDANI**, Cristallographic Texture Analysis of Metallic Materials by Electron Backscatter Diffraction (EBSD)- Steel wire Drawing case, 1ères Journées National en Génie des Matériaux (JNSM2021) Batna, Algérie 17-18 Novembre **(2021)**
62. N.E. BERRAMDANE, H. BOUTEFNOUCHET **M.ZIDANI**. Préparation d'une poudre composite Ni/Al₂O₃ par mécano synthèse. 1 ère Conférence National sur la Physique des Matériaux et leurs Applications (CNPMA'2021), 4 et 5 Décembre 2021, Alger, Algérie **(2021)**, **Presentation of poster communication online.**
63. M. BAYARASSOU, **M. ZIDANI**, F.BAIRA , Evolution of the microstructure and mechanical properties during aging treatments of drawn aluminum wires , The 1st National Virual Conference on Chemical Process and Envirommental Engineering (NVCCPEE2021) Biskra, Algérie 15-16 December **(2021)**) **Presentation of oral communication online**
64. F.BAIRA, **M. ZIDANI**, M. BAYARASSOU, Etude et caractérisation des fils en cuivres tréfilés et recuits ,The 1st National Virual Conference on Chemical Process and Envirommental Engineering (NVCCPEE2021) Biskra, Algérie 15-16 December **(2021)** **Presentation of oral communication online.**
65. A. OURABI, **M. ZIDANI**, M.MERIEM, M.C.NEBBAR, S.MESSAOUDI and T.ABID, Effect of industrial drawing process on the behavior of structural, mechanical properties of medium-hard steel wire , Algerian Symposium on Renewable Energy and Materials (ASREM2022), Médéa, Algeria, 16-17 March **(2022): Presentation of oral communication online**
66. M.MERIEM, **M. ZIDANI**, H. BOUTEFNOUCHET , A. OURABI, T. ABID, S.MECHACHTI, Effect of zinc-phosphate coating on the corrosion resistance of pearlitic steel wires , Algerian Symposium on Renewable Energy and Materials (ASREM2022), Médéa, Algeria, 16-17 March **(2022): Presentation of oral communication online**
67. N.E. BERRAMDANE, H. BOUTEFNOUCHET, **M.ZIDANI**, Effect of milling parameters on crystallite size of Ni/Al₂O₃ synthesized by mechanical alloying technique. , Algerian Symposium on Renewable Energy and Materials (ASREM2022), Médéa, Algeria, 16-17 March **(2022): Presentation of oral communication online**
68. **M.ZIDANI**, Study of the crystallographic texture By EBSD: Expertise of industrial metals, Congrès National en Mécanique Matériaux et Métallurgie(CNMMM2023), USTO-MB, Oran, 28-29 May (2023)

Organization of Scientific Events

- **Member of the organizing committee** in International day of Material Science JISM'06 Biskra - Algeria 01 March **(2006)**.
- **Member of the organizing committee** of International day of Materials Science, JISM 2007 Biskra - Algeria. March 4th-5th, **(2007)**.
- **Member of the organizing committee** of the first International Conference on Metallurgy ICM2009 Biskra - Algeria March 4th- 5th **(2009)**.
- **Member of the organizing committee** and the scientific Committee of the first National Seminar of Mechanical Engineering SNGM01, Biskra, Algeria, May 18th-20th **(2011)**.
- **Chair of the organizing committee** of the first days on Materials in Mechanical Engineering, JEMGM '2013 Biskra, Algeria. April 14th-15th **(2013)**.
- **Chair of the Organizing committee** of the second days on the Materials in Mechanical Engineering, JEMGM '2014 Biskra, Algeria. April 22nd -23rd **(2014)**.
- **Member of the scientific committee** in the Study Days of the Foundry and the Environment, I FE '201 4, Annaba, Algeria. May 7th – 8th **(2014)**.
- **Conference chair and member of the scientific committee** of The First Conference on Mechanical, Energy and Materials Engineering , CMEME2015 Biskra, Algeria December 8th-9th **(2015)**.

- **Member of the scientific committee** in the Study days of Foundry and Environment, JEFE '2016, Annaba, Algeria. May 1^{0th}-1^{1th} (2016).
- **Presentation of a plenary conference** entitled: Local directions Measures in the Scanning Electron Microscope with EBSD (Electron Back Scattered Diffraction), Workshop on foundry and environmental JEFE '16, Annaba, Algeria, May 10th -12th (2016).
- **Member of the scientific committee** of the Sciences of Electronics, Technologies of Information and Telecommunications, SETIT 2016, Hammamet, 18-20 December Tunisia (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 , July 09-12 (2017)
- **President of the organizing committee** of the Conference Days Doctoral Training, Materials and Structures (CFD'MS'17), Biskra-Algeria, 09 February (1st session), 22 February (2nd session) and 01 March (3rd session) (2017).
- **Presentation of a plenary conference**, *Caractérisation des textures de déformation et de recristallisation par EBSD: Application sur des alliages industriels destinés pour le transport d'énergie électrique*, 1st International Seminar on the Apport of the Simulation in Technological Innovation (SIASIT'17), Ghardaïa (Algeria), March 07-08 (2017)
- **Presentation of a plenary conference**, *Analyse multi-échelle par EBSD de la microstructure et la texture de déformation et de recristallisation des alliages industriels*, Congrès Algérien de Mécanique, (CAM'17) Constantine, Algérie, 26-30 Novembre (2017)
- **Member of the scientific committee** of Congrès Algérien de Mécanique, (CAM'17) Constantine, Algérie, 26-30 Novembre (2017).
- **Member of the scientific committee** of The IC-WNDT-MI 18 conference will be held in Skikda from November 7th to 8th (2018).
- **Presentation of a plenary conference**, *Etude de la texture cristallographique par l'EBSB : Application sur des alliages industriels*, Journée d'Etude; Nanomatériaux et leurs application pour le développement durable (JELMSSEF'18), Oum El Bouaghi, 19 Avril (2018).
- **Member of the scientific committee** of The JNERMA' 18 study day will be held in Oum El Bouaghi, Algeria, 13 November (2018).
- **Presentation of a plenary conference**, *Etude de l'évolution de la microstructure et de la texture des alliages déformés et recuits en utilisant la technique de l'EBSB*, 1er Journée nationale en Energies Renouvelables et Matériaux Avancés (JNERMA'18), Oum El Bouaghi, 13 Novembre (2018).
- **Presentation of a plenary conference** , *Caractérisation de la texture cristallographique par l'EBSB : application sur les alliages déformés industriellement et recuits* , Journée Nationale :« Etude des Matériaux : Elaboration et Modélisation (MEM'18) , Université 8 mai 1945 - GUELMA, Algérie 13 Décembre (2018).
- **Presentation of a plenary conference**, *Characterization of structural and textural behavior by using EBSD technique: application on metal alloys*, Symposium on Technology et Sustainable Industry Development (ISTSID '19), El Oued-Algeria, 24-26 February (2019).
- **Member of the scientific committee** of 2nd International Conference on Physical Chemistry & Functional Materials (PCFM 2019), Cappadocia-Perissia Hotel, Turkey. June 25-27 (2019)
- **Presentation of a plenary conference**, *Caractérisation et analyse des orientations des grains par EBSD: Cas des alliages industriels déformés et recuits; 6èmes Journées Scientifiques Franco-Maghrébines des Matériaux Complexes (6èmes JSFM-CMC'2019)*, Annaba - Algérie, Les 17 et 18 novembre (2019).
- **Member of the scientific committee** of the First International Conference on Materials, Energy and Environment (MEE'2020) El Oued-Algeria, 20-21 January (2020).
- **Member of the scientific committee** of 1ère Conférences Internationale Sur Les Energies Renouvela Et Les Matériaux Avancés (ERMA19) Relizane, 17-18 February (2020).

- **Presentation of a plenary conference**, Analysis and characterization of the microstructure and texture of ferrous (steel) and non-ferrous alloys by advanced technique (EBSD); The First International Conference on Materials, Energy and Environment (MEE'2020) El Oued-Alegria, 20-21 January (2020)
- **Invited Speaker and Member of the scientific committee**, 3rd International Conference on Physical Chemistry & Functional Materials (PCFM 2020), which will be held, in Malatya Turgut Özal University, Battalgazi/Malatya, Turkey, on 22-24 September (2020): **Presentation of a plenary conference online**
- **Invited Speaker and Member of the scientific committee** of the Algerian Symposium on Renewable Energy and Materials (ASREM 2020), University of Médéa, 16th-17th December (2020): **Presentation of a plenary conference online**
- **Member of the scientific committee**, the first Casablanca International Conference on Additive Manufacturing (CASICAM'20), CASABLANCA, 24-25 June (online 2021).
- **Invited Speaker**, the Workshop Additive Manufacturing Against Covid-19 pandemic (WAMACov-19'2020), together with the first Casablanca International Conference on Additive Manufacturing (CASICAM'20), CASABLANCA, MOROCCO, 24-25 June (online 2021).
- **Member of the scientific committee**, 1st International Conference on Sustainable Energy and Advanced Materials (IC-SEAM'21), Ouargla, Algeria, April 21-22 (online 2021)
- **Member of the scientific committee**, The first International Seminar on Materials Synthesis and Environmental Monitoring (ISMSEM 2022), Ouargla, Algeria, 07th to 09th February (2022).
- **Member of the scientific committee** of the first International Conference on Materials Science and Engineering (ICSEM'21, Khanchela, Algeria, November 17-18, (online 2021)
- **Conference chair and coordinator of the scientific committee** of the first National Days of Materials Sciences (JMSM'2021), Batna2 University, November 17-18, Batna- Alegria (online 2021)
- **President of the organizing committee of the Webinaire**: Scientific day, Industrial Materials and Characterization Techniques (MI & TC'2021), Biskra, Algeria, 15 December (2021).
- **Member of the Scientific Committee** of the first International Conference on Energy, Thermofluids and Materials Engineering, ICETME 2021 held online from 18 to 20 December, Biskra, Algeria (2021).
- **Member of the scientific committee** of the 9th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (2022 IEEE SETIT) Genoa- Italy and Hammamet -Tunisia, 19 to 21 March (2022)
- **Member of the scientific committee** of The first International Seminar on Materials Synthesis and Environmental Monitoring (ISMSEM 2022), Ouargla-Algeria, from 07th to 09th February (2022)
- **Member of the scientific committee** of the Algerian Symposium on Renewable Energy and Materials (ASREM 2022), University of Médéa, 16th-17th March (online 2022).
- **Invited Speaker and Member of the scientific committee** of the international conference on innovative materials, manufacturing and advanced technologies (IMMAT'2022), Tunisia, Sousse, October, 27-29 (2022).
- **Invited Speaker and Member of the scientific committee** of the Second International Workshop on Environmental Engineering (IWEE22), December 03 - 04, UFAS1, SETIF (2022).
- **Invited Speaker and Member of the scientific committee** of the first International Conference on Optoelectronics, Materials & Renewable (ICOMRE'22), the 12th and 13th of December, University of El Oued, Algeria (2022).
- **Invited Speaker and Member of the scientific committee** of the 1st International Seminar on Chemical Process & Environment (ISCPE 23), March 14-16, Biskra University, Algeria (2023).

- **Invited Speaker and Member of the scientific committee of the** Congés National en Mécanique Matériaux et Métallurgie(CNMMM2023), 28-29 May (2023), USTO-MB, Oran
- **Invited Speaker and Member of the scientific committee** of the 6th International Conference on Physical Chemistry and Functional Materials (PCFM 2023), Firat University – Elazığ, Türkiye on June 13-14 (2023).
- **Invited Speaker** of the 13th International Hybrid Conference on Science, Computing, Chemistry & Management (ICSCCM 2023), Istanbul, Turkey, 13-14 July (2023)
- **Invited Speaker and Member of the scientific committee** of the Second International Conference on Materials, Energy and Environment (MEE'2023) El Oued-Algeria, 23-24 October (2023).
- **Invited Speaker and Member of the scientific committee** of the Second Edition of the first International Conference on Materials for Renewable Energy (ICMRE'23), 25 and 26 November Setif, Algeria (2023)
- **Invited Speaker and Member of the scientific committee** of the Second Edition of the ARab Conference on Mechanics & Engineering, ARCME 2023.10, 11, and 12 December, Biskra, Algeria (2023).
- **Member of the scientific committee** of the Algerian Congress of Mechanics (CAM-RD 2023) Tamanrasset University, from December 18 – 21 (2023)

Research Activities and Scientific Collaboration

Contributions to research projects (CNEPRU / PNR / PRFU

- **Member of research Project:** Study of germination phenomena of growth and dissolution of precipitates in cellular copper Alloys (2001-2003) , Project code: 01/06/115/99.
- **Member of research Project :** The martensitic transformation in alloys memory form (2003-2005), project code : 0701/03/04 J / 03.
- **Member of research Project:** Reaction of recrystallization during Annealing of drawn Steel Wires. (2005-2007), project code : J0701 / 03/01/05.
- **Chief of Research Project:** Effect of deformation and the second phase on the evolution of recrystallized textures in steel (2008-2010), project code: D01420070020.
- **Chief of Research Project:** Characterization of copper wires and the effect of deformation and recrystallization on their electrical conductivity (2011 -2013), project code : J0301420100041.
- **Chief of Research Project:** Study of the (Precipitation / Crystallization) and Structural Changes in Wires of Aluminum Alloys (AGS- type 6101 and Following the Mechanical and Electrical Properties of Drawn Wires, (2015-2018), project code : J0301420140055.
- **Member of research Project** (Permanent Researcher Project PNR):Study of the Influence of Chemical Composition on the Electrical and Mechanical Properties of Copper Wire, approved project (2011-2013), Project code: 13 / u07 / 132 2
- **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** of PNR research projects (Domain: Industrial Technologies, pilot agencies : CSC / CDTA - DGRS-MESRS)
- **Evaluation expert:** Review Journal of Materials Science (JMISC): Springer
- **Evaluation expert (Reviewer) and Editorial Board member:** Review, Journal of Chemistry and Chemical Engineering (**from 23/10/2015**)
- **Editorial Board member and Evaluation expert (Reviewer) :** Review; Journal of Applied Engineering Science & Technology (**from 01/01/2015**)
- **Member in the Committee of Doctoral Training (3rd Cycle)** entitled: Industrial Metals (Ministerial decree n: 16 of 30/9/2015)

- **Chairman of the committee of Doctoral Training (3rd Cycle)** entitled: Materials and Structures (**Ministerial decree n: 935of 31/07/2016**)
- **Evaluation expert** : Postgraduate training (doctorate- LMD), Regional Conference of Eastern Universities (CRUEst), University of Constantine2,; **30/05/2017 and 07/06/2017**
- **Evaluation expert (Reviewer)**: International Journal of Engineering Research in Africa **ISSN web 1663-4144** and Journal of Nano Research, **ISSN web 1661-9897**. <https://www.scientific.net> (**indexed by: Thomson Reuters /Scopus -Elsevier**)
- **Member in the Committee of Doctoral Training (3rd Cycle: Renewed 2017/2018)** entitled: Industrial Metals (**Ministerial decree n: .835. of 27/07./2017**)
- **Participation in the doctoral training** competition in mechanical engineering (examination committee); University of M'Sila, **14/10/2017**
- **Editor-in-chief of the Special Issue: Diffusion Foundations**; Full title: Technological Aspects of Production and Processing (**ISSN: 2296-3642**) **published by TTP** (<https://www.scientific.net>- Zurich, Switzerland (**September, 2018**))
- **Chief of Research Project (PRFU)**: Étude du comportement microstructural et mécanique de fils d'aciers doux, mi-dur et dur tréfilés industriellement par TREFISOUD (**2018-2021**) project code : A11N01UN070120180008
- **Editor-in-chief of the two Special Issue (indexed by: Scopus -Elsevier): Defect and Diffusion Forum** , Full title : Study and characterization of alloys and materials: (**ISSN: 1662-9507**) and **Solid State Phenomena**, Full title: Industrial multi-material assemblies and processes (**ISSN:1662-9779**) **published by TTP** : <https://www.scientific.net>- Zurich, Switzerland (**September 2019**)
- **Associate Editor** in the Journal of Physical Chemistry and Functional Materials (**JPCFM**: <https://dergipark.org.tr/jphcfum>) **ISSN 2651-3080**
- **Responsible in the Committee of Doctoral Training (3rd Cycle)** entitled: Metallurgy, Specialty: Shaping of metals and alloys (Ministerial decree n: 1434 of 21/08/2019)
- **Participation in the doctoral training** competition in mechanical engineering (examination committee); University of M'Sila, **02/11/2019**.
- **Editor-in-chief of the two Special Issue (indexed by: Scopus -Elsevier) : Defect and Diffusion Forum**, Full title: Materials Structure and Heat and Mass Transfer: (**ISSN: 1662-9507**) **published by TTP** : <https://www.scientific.net>- Zurich, Switzerland (**11/01/ 2021**)
- **Evaluation expert (Reviewer)**: Journal of Molecular Liquids (indexed by: Thomson Reuters /Scopus –Elsevier), **ISSN: 0167-7322** (Impact Factor: 4.561). <https://www.journals.elsevier.com/journal-of-molecular-liquids> (**indexed by: Thomson Reuters /Scopus -Elsevier**)
- **Editorial Board Member**: Journal of Mechanical Engineering and Sciences JMES, **ISSN (Print): 2289-4659; e-ISSN: 2231-8380 (indexed by: Thomson Reuters /Scopus – Elsevier) : <http://journal.ump.edu.my/jmes/>** Faculty of Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang, 26600 Pekan, Pahang, MALAYSIA (**appointment from 05/2020 to 04/2023**)
- **Evaluation expert** : Postgraduate training (doctorate- LMD), Regional Conference of Eastern Universities (CRU-Est), University of Constantine2 (**10 /09/ 2020**)
- **Editorial Board Member**: Jurnal Sains Materi Indonesia (Indonesian Journal of Materials Science), **1411-1098 (print), 2614-087X (online) : <http://jurnal.batan.go.id/index.php/jsmi/index>**. Center for Science and Technology of Advanced Materials, BATAN, Indonesia (**appointment from 28/09/2020**)
- **Participation in the doctoral training** competition in mechanical engineering (examination committee); University of M'Sila, **27/03/2021**.
- **Chief of Research Project (PRFU)**: Analyse des Traitements Thermiques sur des fils en acier Tréfilés pour Prévenir la Rupture des Ressorts Bonnell et des Torons de cables, approved project from **01/01/2022 project code : A24N01UN050220220001**

- **Participation in the doctoral training** competition in mechanical engineering (examination committee); University of Khanchela, **26/02/2022**.
- **Associate editor and editorial Board Member:** Jurnal Sains Materi Indonesia (Indonesian Journal of Materials Science), 1411-1098 (print), 2614-087X (online) : <https://ejournal.brin.go.id/jsmi/index>. Center for Science and Technology of Advanced Materials, BATAN, Indonesia (**appointment from 09/2022**)
- **Evaluation expert (MESRS)** : Equivalence files with the equivalence sub-directorate Ministry of Higher Education and Scientific Research (**10/2022**)
- **Scientific adviser (MESRS)** within the programming and evaluation committee of university scientific research (PRFU) (**02/2023**)
- **Participation in the doctoral training competition in mechanical engineering** (examination committee); University of Khanchela, **04/02/2023**.
- **Animate a day of improvement for the training of doctoral students** in mechanical engineering option "materials engineering", University of M'Sila, **05/10/2023**

Foreign Collaborations (Doctoral Thesis, CNEPRU / PNR/ PRFU Projects)

1. **Laboratoire Synthèse, Propriétés et Modélisation (SP2M)**, ICMMO, UMR CNRS 8182-Bât 410 Université Paris-Sud 11, 91405 Orsay Cedex- France
2. **Laboratoire Léon Brillouin (LLB)**, CEA (DSM-DRECAM)-CNRS, CEA Saclay, 91191 Gif sur Yvette, France, F-91405
3. **Company of ENICAB**-Biskra, Alegria
4. **Company of TREFISOUD**-El Eulma-Sétif, Alegria
5. **Advanced Technology Development Center (CDTA)**, Baba Hassan- Algiers, Algeria
6. **Materials Science and Engineering Laboratory (LSGM)**, USTHB-Algiers, Algeria
7. **Center for Scientific and Technical Research in Physico-Chemical Analysis (CRAPC)**, Tipaza, Algeria
8. **Foundry laboratory**, Annaba University.
9. **Bioceramics and Theoretical Atomic laboratory**, Department of Physics, Faculty of Science, Firat University-Elazig, Turkey
10. **Functional Nanocomposite/Hybrid**, Low Dimensional Functional Material Group, Research Center for Advanced Material, National Research and Innovation Agency (BRIN) Gedung 440-441 Puspiptek, Serpong, South Tangerang
11. **Thermodynamics and Thermal Techniques Laboratory**, Department of Mechanical Engineering, Faculty of Engineering, University of Kocaeli, Kocaeli, Turkey

Distinction :

Thanks and homage for the best reviewer 2019

Top JNanoR Reviewer 2019: Special huge thank to our reviewer for Journal of Nano Research (JNanoR) / ISSN web 1661-9897. <https://www.scientific.net> (indexed by: Thomson Reuters /Scopus -Elsevier)

Member of Jury of theses

52 University Habilitation (Universities: Biskra, Batna, Ouargla, M'sila, Tebessa, El Oued, Annaba, OEB, Constantine.....) **(2012-2022)**.

55 Science Doctorates and LMD Doctorate (Universities: Biskra, Batna, Ouargla, M'sila, Tebessa, El Oued, Annaba, OEB, Constantine.....) **(2014-2022)**.

02 Magister (Universities: Biskra and Batna) **(2015)**.

Supervision (Classic Doctorate (PhD) and LMD Doctorate): Thesis Discussed and in progress

- KHAMOULI Farida. *Influence of Soldering Flux on the Quality Pipeline Welding*. Annaba University, Department of Metallurgy and Materials Engineering, Option : Physical Metallurgy **(Discussed the 10/07/2017)**
- BESSAIS Lakhdar, *Study and Characterization of Recrystallization's reaction of Drawn Aluminum Wire Industrially in EN.I.CA.Biskra*, University of Biskra, Department of Mechanical Engineering, option: Metallurgy Physics **(Discussed the 22/11/2017)**
- HADID Mohamed Djamel. *Study and Characterization of the Microstructure and Texture of Aluminum wire (Drawn /Annealing)*. University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy **(Discussed the 29/11/2017)**
- BAIRA Faycel, *Study of the Evolution of (Microstructure / Texture) and (Mechanical / Electrical) Properties in Industrially-Drawn and Annealed Copper Wire*. University of Biskra, Department of Science of Matter, option : Chemistry (Metallurgy) **(Discussed the 06/12/2017)**
- BAYARASSOU Mokhtar, *Effect of aging treatments on the evolution of the structure and mechanical properties of aluminum alloys (AGS) wires drawn at ENICAB*. University of Biskra, Department of Mechanical Engineering, option: Metallurgy Physics **(Discussed the 28/10/2018)**
- DJIMAOUI Toufik, *Study of the structural and mechanical behavior of drawn mild steel wires intended for the manufacture of welding electrodes at TREFISOUD*. University of Biskra, Department of Mechanical Engineering, option: Industrial Metals **(Discussed the 17/01/2019)**
- MEBARKI Lahcen, *Development and Characterization of Wear-Resistant Steel Obtained by Powder Metallurgy*. University of Biskra, Department of Mechanic Engineering, option: Physical Metallurgy **(Discussed the 20/03/2019)**
- NEBBAR Mohamed Chaouki, *Microstructural, Study of the microstructural, textural and mechanical behavior evolution of industrially drawn medium carbone steel wires..* University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy **(Discussed the 09/02/ 2020)**
- MOKHTARA Soheib, *Study of the mechanical and tribological behavior of a layer of chromium nitrides deposited by a duplex treatment on a low alloy steel*. University of Biskra, Department of Mechanical Engineering, option: Industrial Metals **(Discussed the 05/10/ 2021)**

- KISRANE -BOUZIDI Ahmed, *Study and characterization of hard steel wire intended for the manufacture of the strands*. University of Biskra, Department of Mechanical Engineering, option: Materials and Structures **(Discussed the 22/06/2022)**
- OURABI Amina, *Study of the influence of patenting treatment on the wire-drawing behavior and the evolution of the properties of medium carbone steel*. University of Biskra, Department of Mechanical Engineering, option: Formatting metals and alloys **(In the process of being finalized: 4th year LMD 2022 /2023)**
- BERRAMDAN Norelhouda, *Preparation / densification of materials based on titanium carbide*. National School of Mines and Metallurgy-Annaba, Sciences and Engineering Department, option: Surface Engineering **(In the process of being finalized: 4th year LMD 2022 /2023)**
- MERIEM Meyssoun, *Effect of heat treatments on the behavior of drawn hard steel wires intended for the manufacture of stranded cables*. National School of Mines and Metallurgy-Annaba, Sciences and Engineering Department, option: Surface Engineering **(In Progress: 3rd LMD 2022/2023)**.

Master II Supervision

- BENCHOUIA Said. *Influence of the Chemical Composition on the Evolution of Mechanical and Electrical Properties of Industrially-Drawn Copper Wire*. University of Biskra, Department of Mechanical Engineering, option: Metallurgy Physics **(Discussed the 2011)**.
- DEHINA Mohamed Sabri, *Copper Wire Drawing Process (DUCAB) in ENICAB Company*. University of Biskra, Department of Mechanical Engineering option: Climatic Engineering **(Discussed the 2014)**
- DJIMAOUI Toufik, *Effect of Thermal Treatment on the Evolution of Mechanical and electrical Properties of Cold-Drawn Aluminum type AGS in ENICAB*. University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy **(Discussed the 2015)**
- MATLOUG Balkacem, *Study of Recrystallization's Reaction of Drawn Copper Wire*. University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy **(Discussed the (2015)**
- BENAICHA Abderahim, *Study of the Effect of Thermal Treatment on Ordinary Steel*. University of Biskra, Department of Mechanical Engineering, option : Distribution and Transportation of Hydrocarbons **(Discussed the 2016)**
- MEFTAH Ridha, *Study of the Effect of Different Types of Corrosion on Hydrocarbons Transportation Pipelines*. University of Biskra, Department of Mechanical Engineering, option: Distribution and Transportation of hydrocarbons **(Discussed the 2016)**
- OURABI Amina, *Study of metallurgical behavior of deformed industrially wires for electrical cabling*. University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy **(Discussed the 01/06 2017)**
- BORDJI Linda, *Characteristics Study of pipeline steels at-SP3 Station, Loutaya Biskra*. University of Biskra, Department of Mechanical Engineering, option:Transportation of hydrocarbons **((Discussed the 01/06/2017)**
- BERHI Wafa, *Study of the annealing treatment effect on the structural and mechanical behavior of wires mild steel deformed*. University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy **(Discussed the 31/05 2017)**
- BOUBAKAR Abdrahim, *Annealing treatment effect on the characteristics structural and mechanics of a low alloy steel welded BS2 type: case gas cylinder (BAG-Batna)*. University of Biskra, Department of Mechanical Engineering, option: Metallurgical Engineering **(Discussed the 09/07/2019)**

- MOHAMMEDI Takiddine, *Influence of chrome plating on the characteristics mechanical of a low-alloy steel of type XC100 treated*. University of Biskra, Department of Mechanical Engineering, option: Metallurgical Engineering (**Discussed the 09/07/2019**)
- BOUHAF KHERCHACHI Safa, Effect of heat treatment on the structural and mechanical behavior of medium carbone steel wires in Tréfisoud; University of Biskra, Department of Mechanical Engineering, option: Metallurgical Engineering (**Discussed the 10/09/ 2020**)
- MERZOUGUI Abdelghani, Theoretical study on industrial metal forming processes: case of industrial wire drawing process; University of Batna2, Department of Mechanical Engineering, option: Science of materials (**Discussed the 19/06/2022**)
- LAHCENE Akila, Study of the properties of industrially deformed steel wires intended for industrial applications; University of Batna2, Department of Mechanical Engineering, option: Science of materials (**Discussed the 06/06/2022**)
- **Master START-UP project (according to decree 1275)** in collaboration with a national industrial partner and the University of Annaba (**Discussed the 18 / 07 /2023**)
- **Direction of Master START-UP project (according to decree 1275)** in collaboration with a national industrial partner and University of Batna1 (**Defense scheduled for September 2023**)

Supervision of Graduation Projects (Theses engineers)

(11 theses engineers supported under my direction from 2004)

Lessons from the courses for doctoral students:

- Course: **Mechanical Behavior of Metals and Alloys: Doctoral Training (3rd Cycle)** entitled: Materials and Structures (Ministerial decree n: 935 of 31/07/2016)
- Course: **Description of plastic deformation of metals: Doctoral Training (3rd Cycle)** entitled: Metallurgy, (Ministerial decree n: 1434 of 21/08/2019)
- **Improvement day for the training of doctoral students in Mechanical Engineering option "materials engineering"; Course: Description of plastic deformation of metals and a training (a conference): Advanced and modern study and characterization of industrial metals**, University of M'Sila, 05/10/2023

Educational and Pedagogical Activities

Year	The subjects taught	Department (University of Biskra)
2002-2003	Materials Science (MDS) 1st year DEUA (Course + TD)	Mechanical Engineering
2003-2004	Maths + (MDS) 1st year DEUA (Course + TD)	Mechanical Engineering
2004-2005	Continuum Mechanics: 3rd year Engineering (Course + TD) Equipment of Workshops on Thermal Treatments: 5th year Engineering (Course + TD)	Metallurgy
2005-2006	Continuum Mechanics: 3rd year Engineering (Course + TD) Equipment of Workshops on Thermal Treatments: 5 th year Engineering (Course + TD)	Metallurgy

2006-2007	Continuum Mechanics: 3rd year Engineering (Course + TD) Equipment of Workshops on Thermal Treatments: 5 th year Engineering (Course + TD)	Metallurgy
2007-2008	Continuum Mechanics: 3rd year Engineering (Course + TD) Equipment of Workshops on Thermal Treatments: 5 th year Engineering (Course + TD)	Metallurgy
2008-2009	Continuum Mechanics: LMD3 (Course + TD) Equipment of T.T. Workshops, Non-Ferrous Alloys, Methods of Analysis : 5 th year Engineering (Course + TD)	Metallurgy
2009-2010	Material Physics: Master1 (Course + TD) Equipment of T.T. Workshops, Non-Ferrous Alloys, Methods of analysis 5 th year engineering (Course + TD)	Mechanical Engineering
2010-2011	Physics1 + Physics2 : LMD 1 (Course + TD)	Architecture
2011 -2012	Physics1 + Physics2 : LMD 1 (Course + TD)	Architecture
2012 -2013	Physics1 + Physics2 : LMD 1 (Course + TD)	Architecture
	Continuum Mechanics (3 + Master1 LMD) Metallurgy (Course + TD) Thermal Treatment of Steels (LMD Master1 + 3) Metallurgy (Course +T P)	Mechanical Engineering
2013 -2014	Physics1 + Physics2 : LMD 1 (Course + TD)	Architecture
	Continuum Mechanics (LMD Master1 3+) Metallurgy (Course + TD) Thermodynamics (LMD 3) Metallurgy (Course + TD) Formatting metals (Master1) Metallurgy (Course + TD + TP)	Mechanical Engineering
2014 -2015	Continuum Mechanics (LMD 3) Metallurgy (Course + TD) Formatting metals / Thermal Treatment of Steel(Master2 / LMD3) Metallurgy (Course + TD + TP)	Mechanical Engineering
2015 -2016	Mechanical Behavior of Metals and Alloys, 3LMD Metallurgy (Course + TD) Standardization in Metallurgy; 3LMD Metallurgy (Course) Materials Physics; Master1 Metallurgy (Course + TD) Continuum Mechanics (LMD Master1 3+) Formatting metals (Master1) Metallurgy (Course + TD + TP)	Mechanical Engineering
2016 -2017	Materials Physics; Master2 Metallurgy (Course + TD) Formatting metals (3LMD/Master2) Metallurgy (Course + TP)	Mechanical Engineering
2017-2018	Mechanical Behavior of Metals and Alloys, 3LMDMetallurgy (Course + TD) Standardization in Metallurgy; 3LMD Metallurgyphysical (Course) Formatting metals (Master2) Metallurgy (Course + TP) Innovative Materials (Master2) Metallurgy (Course + TD) Phase Balance (Master1) Metallurgy (Course + TD)	Mechanical Engineering
2018-2019	Mechanical Behavior of Metals and Alloys, 3LMDMetallurgy (Course + TD) Standardization in Metallurgy; 3LMD Metallurgyphysical (Course) Formatting metals (Master2) Metallurgy (Course + TP) Innovative Materials (Master2) Metallurgy (Course + TD) Phase Balance (Master1) Metallurgy (Course + TD)	Mechanical Engineering
2019-2020 until (29/12/2019)	Mechanical Behavior of Metals and Alloys, 3LMD Metallurgy (Course + TD) Formatting metals (Master2) Metallurgy (Course + TP) Innovative Materials (Master2) Metallurgy (Course + TD) Phase Balance (Master1) Metallurgy (Course + TD)	Mechanical Engineering

2019-2020 from (30/12/2019)	Proba-stat, 2LMD ST (Course+TD) Numerical Methods2LMD ST (Course+TD)	ST-Department (University of Batna2)
2020-2021	Proba-stat, 2LMD ST (Cours+TD) Numerical Methods2LMD ST (Cours+TD)	ST-Department (University of Batna2)
2021-2022	characterization techniques: Master 1 (TP) Aging and degradation of materials : Master 1 (Course+TP) Elaboration of materials: Master 1 (TP)	Process engineering (University of Batna2)
2022-2023	Characterization techniques: Master 1 (TP) Technical drawing L2 license Corrosion of materials L3 license (Course) Elaboration of materials: Master 1 (TP)	Process engineering (University of Batna2)