

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, *Study of the microstructural, textural evolution and mechanical behavior of industrially drawn medium carbone steel wires*. University of Biskra, Department of Mechanical Engineering, option: Physical Metallurgy (**Discussed the 09/02/ 2020**)
- 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 scheduled for the end of 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 scheduled for the end of 2020**)
- 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 Progress: 1st year LMD 2019**)

- BERRAMDAN Nor-Elhouda, *Preparation / densification of materials based on titanium carbide*. National School of Mines and Metallurgy-Annaba, Sciences and Engineering Department, option: Metallurgy, Science and Materials Engineering (**In Progress: 1st year LMD 2019**)

Master - Supervision

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- 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 scheduled the month of June 2020**)

Supervision of Graduation Projects (Theses engineers)

(11 theses engineers **Discussed** under my direction from 2004)