




LINDA AISSANI

PROFESSOR

PROFIL

 Unviversity of khenchela

 linda.aissani@univ-khenchela.dz

 0673001937



LANGUES

Arabic 

English 

French 



FORMATION

20XX - 20XX

Ville, Pays

DIPLÔME doctorat

univerrsty of de jjjel; ALGERIA

2023 – 2024

univerrsty of abbes laghrour khenchela. ALGERIA,

NOM DE L'ENTREPRISE

Poste occupé

- PROFESSOR

NOM DE L'ENTREPRISE

Poste occupé

- *****
- *****
- *****
- *****

Date

NOM DE L'ENTREPRISE

Poste occupé

- *****
- *****
- *****



1. **L. Aissani**, A Alhussein, A Abdelhak, C Nouveau, E Zgheib, A Belgroune, Relationship between structure, surface topography and tribo-mechanical behavior of Ti-N thin films elaborated at different N₂ flow rates *Thin Solid Films* 724, 138598
2. Hanane Lamraoui, Nadjiba Zegheb, Lotfi Benmekhbi, Amina Khadru, Saida Ababsa, Imane Lamraoui, Messaouda Lamraoui, **Linda Aissani**, Ahcen Bouchemma “, **Synthesis, Characterization, Hirshfeld Surface Analysis, DFT Study and Molecular Docking of 1,3-Bis(4-chlorophenyl)-5-(4-chlorobenzyl)-1,3,5-triazinane**, Journal of ChemistrySelect(classe A)
3. Ahlam Belgroune, **Linda Aissani**, Akram Alhussein, Mourad Zaabat, Aleksei Obrosof, Sami Rtimi, In Vitro Corrosion and Wear Investigation of Multifunctional TiAlMoN Sputtered Coatings on Cold-Sprayed SS316L, [ACS Applied Engineering Materials](#) 2024 DOI: [10.1021/acsaenm.3c00672](https://doi.org/10.1021/acsaenm.3c00672)
4. Fatima Sofrani, Keltouma Boudia, Cheriet Abderrahmane, Akram Alhussiene, **Linda Aissani**, Theoretical Study of the Structural, Magnetic, Electronic and Elastic Properties of VSb-Based Half-Heusler Alloys. 2023. *Journal of Electronic Materials* DOI: 10.1007/s11664-023-10471-1
5. Abdelhafid Bensalem, Abdelhakim Daoui, Cheriet Abderrahmane Samir Lecheb, Ahmed Chellil, **Linda Aissani**. Failure Prediction of Laminated Composites: Simulation of the Nonlinear Behavior and Progressive Damage. 2023. *Fibers and Polymers* DOI: 10.1007/s12221-023-00336-z
6. Abderrahmane Moussaoui Abdelaziz Abboudi, **Linda Aissani**, Sami Rtimi Effect of Mo addition on the mechanical and tribological properties of magnetron sputtered TiN films. 2023. *Surface and Coatings Technology* DOI: 10.1016/j.surfcoat.2023.129862
7. A. Belgroune, **L. Aissani**, A. Alhussein, M. Zaabat, J. Kiwi, S.Rtimi, *Bacterial inactivation on sputtered TiOMoN and TiOMoN-Ag thin films under solar simulated light*. *Chemical Engineering Journal*, Vol. 460, (2023), 141590
8. A. Belgroune, **L. Aissani**, A. Alhussein, M. Zaabat, J. Kiwi, S.Rtimi, *Bacterial inactivation on sputtered TiOMoN and TiOMoN-Ag thin films under solar simulated light*. *Chemical Engineering Journal*, Vol. 460, (2023), 141590
9. Lamia Radjehi, **Linda Aissani**, Abdelkader dajaloul, Abdenour Saoudi, Salim Lamri, Komla Nomenyo; Frédéric Sanchette , Air and Vacuum Annealing Effect on the Highly Conducting and Transparent Properties of the Undoped Zinc Oxide Thin Films Prepared by Dc Magnetron Sputtering. *Metall. Mater. Eng.* Vol 29 (1) 2023 p. 037-052. doi.org/10.56801/MME889
10. Linda Aissani, Mamoun Fellah, Ahlam Belgroune, Aleksei Obrosof, Mohammed Abdul Samad , Akram Alhussein Effect of O₂ flow rate on the structure, wettability and tribo-mechanical behaviour of Zr-O-N thin films. *Surfaces and Interfaces* <https://doi.org/10.1016/j.surfin.2021.101441>
11. Linda Aissani, Akram Alhussein, Abdul Wasy Zia , Gcina Mamba , Sami Rtimi, Magnetron Sputtering of Transition Metal Nitride Thin Films for Environmental Remediation: Coatings. <https://doi.org/10.3390/>
12. **Linda Aissani**, Ahlam Belgroune, Abdenour Saoudi , Abdelhamid Hmima, Mamoun Fellah , Aleksei Obrosof Akram Alhussein, Tribo-mechanical performance and antibacterial activity in (Cu, Zr)-alloyed Ti(Al)N coatings synthesized by reactive magnetron sputtering. *Journal of mater science* <https://doi.org/10.1007/s10853-022-07804-6>
13. **Linda AISSANI**, Akram ALHUSSEIN, Abdelhak AYAD, Corinne NOUVEAU, Elia ZGHEIB, Ahlam BELGROUNE, Mourad ZAABAT, Regis BARILLE Relationship between structure,

- surface topography and tribo-mechanical behavior of Ti-N thin films elaborated at different N₂ flow rates. Thin Solid Films <https://doi.org/10.1016/j.tsf.2021.138598>
14. **Linda Aissani**, Mamoun Fellah, Ablel Hakim Chadli, Mohammed Abdul Samad, Abderrahmane Cheriet, Faiza Salhi, Corinne Nouveau, Sabine Weiß, Aleksei Obrosof Akram Alhussein, Investigating the effect of nitrogen on the structural and tribo-mechanical behavior of vanadium nitride thin films deposited using R.F. magnetron sputtering. Journal of Mater Science <https://doi.org/10.1007/s10853-021-06393-0>
 15. Faiza Salhi, **Linda Aissani**, Mamoun Fellah, Abdelhakim Chadli, Abderrahmane Cheriet, Ahlam Belgroune, Corinne Nouveau, Aleksei Obrosof, Mohammed Abdul Samad, Akram Alhussein. Experimental investigation of structural, wetting, mechanical and Tribological properties of TiZrN thin films deposited by magnetron sputtering. Surfaces and Interfaces <https://doi.org/10.1016/j.surfin.2021.101519>
 16. Naouel Hezil, **Linda Aissani**, Mamoun Fellah, Mohamed Abdul Samad, Aleksei Obrosof, Chekalkin Timofei, Ekaterina Marchenko. Structural, and tribological properties of nanostructured α β type titanium alloys for total Hip Journal of materials research and technology <https://doi.org/10.1016/j.jmrt.2022.06.042>
 17. Saoudi Abdenour, **Aissani Linda**, Chahaoui Oualid, Bestandji Ali, Louafi Mohammed Salah, Djebaili Hamid Chinesta Francisco; Influence of the carburization time on the structural and mechanical properties of XC20 steel. Materials Research Express <https://doi.org/10.1088/2053-1591/ac1ece>
 18. Abdelaziz Abboudi, **Linda Aissani**, Abdenour Saoudi, Hamid Djebaili. Effect of film thickness on the structural and tribo-mechanical properties of reactive sputtered molybdenum nitride thin films. Metallurgical and Materials Engineering <https://doi.org/10.30544/823>
 19. A. Saoudi, **Linda Aissani**, S. Boulahrouz, L. Radjehi, O. Chahaoui, M. Mebarki, H. Djebaili. Influence of the Surface Diffusion Length on the Roughness of Thin Layers Obtained by Random Deposition. JOURNAL OF NANO- AND ELECTRONIC PHYSICS [https://doi.org/10.21272/jnep.14\(5\).05021](https://doi.org/10.21272/jnep.14(5).05021)
 20. Abdenour Saoudi **Linda Aissani** Grégoire Sorba Francisco Chinesta. Kinetic Monte Carlo simulation of random deposition and scaling behavior with respect to the germination length International Journal of Computational Materials <https://dx.doi.org/10.1142/S2047684120500220>
 21. Hammadi Fouzia Fellah Mamoun Hezil Naouel, **Aissani Linda**, Mimanne Goussef, Mechachti Said, Abdul Samad Mohamme, Montagne Alex, Alain Iost, Sabine Weiß Aleksei Obrosof. The effect of milling time on the microstructure and mechanical properties of Ti-6Al-4Fe alloys Materials Today Communications <https://doi.org/10.1016/j.mtcomm.2021.102428>
 22. F.Z. Hamdi, A. Hamdi, S. Khenchoul, A. Rahmani, A. Cheriet, **Linda Aissani**, A. Alhussein. Influence of Fe concentration on the properties of the electrodeposited Zn-Fe coatings. Journal of the Indian Chemical Society <https://doi.org/10.1016/j.jics.2022.100498>
 23. A. Cheriet S. Khenchoul, **Linda Aissani**, B. Lagoun, M. Zaabat, A. Alhussein. First-principles calculations to investigate structural, magnetic, electronic and elastic properties of full-Heusler alloys Co₂MB (M=V, Mn) Solid State Communications <https://doi.org/10.1016/j.ssc.2021.114426>
 24. Imane Koriba · Brahim Lagoun · Abderrahmane Cheriet · Abdenacer Guibadj · Soraya Belhadj · Anfel Ameer · **Linda Aissani** · Akram Alhussein. Phase stability, mechanical and optoelectronic properties of lanthanum chromite-based perovskite oxide. Applied Physics A. <https://doi.org/10.1007/s00339-021-05150-z>
 25. R. Hamdi, B. Lagoun, H.A. Benhorma, S. Khenchoul, B. Fekieur, A. Cheriet, **Linda Aissani**, A. Alhussein. Theoretical investigation of structural, electronic and mechanical properties of the hard LaB₄ material. Computational Condensed Matter <https://doi.org/10.1016/j.cocom.2022.e00664>
 26. Khaoula Rahmouni Aurélien Besnard, Kafia Oulmi, Corinne Nouveau, Aissam Hidoussi, **Linda Aissan**, Mourad Zaabat. In vitro corrosion response of CoCrMo and Ti-6Al-4V orthopedic implants with Zr columnar thin films. Surface & Coatings Technology <https://doi.org/10.1016/j.surfcoat.2022.128310>

27. **L Aissani**, A Alhussein, A Belgroune, C Nouveau, E Zgheib, R Barille Effect of carbon content on structural, mechanical and tribological properties of Cr-VCN coatings , *Thin Solid Films*, 138782
28. L Radjehi, **L Aissani**, A Djelloul, S Lamri, K Nomenyo, S Achache, Effect of vacuum annealing on the structural and optical properties of sputtered Cu₄O₃ thin films *Surface Engineering* 37 (4), 422-428
29. A Chadli, B Lagoun, **L Aissani**, S Khenchoul, I Chadli, R Makhloufi, EK Hlil Ab Initio Study of Structural, Electronic, Magnetic and Magnetoelastic Properties of the Magnetolectric h- YMnO_3 Semiconductor *Journal of Electronic Materials* 50 (2), 657-663
30. S Abdenour, **A Linda**, C Oualid, B Ali, LM Salah, D Hamid, C Francisco Influence of the carburization time on the structural and mechanical properties of XC20 steel *Materials Research Express* 8 (8), 085604
31. **L Aissani**, M Fellah, A Belgroune, A Obrosof, MA Samad, A Alhussein Effect of O₂ flow rate on the structure, wettability and tribo-mechanical behaviour of Zr-ON thin films *Surfaces and Interfaces* 26, 101441
32. Linda Assaini, Akram Alhussein, Corinne Nouveau, Laala Ghelani, Mourad Zaabat. Influence of film thickness and ArN₂ plasma gas on the structure and performance of sputtered vanadium nitride coatings. *Surface and Coatings Technology* Volume 378, 25 November 2019, 124948.
33. Linda Assaini, Khaoula rahmouni, Laala Ghelani, Mourad Zaaba, Akram Alhussein Microstructure and Mechanical Properties of Chromium Carbide Coatings Deposited by Magnetron Sputtering Technique. [10.4028/www.scientific.net/DDF.397.118](https://doi.org/10.4028/www.scientific.net/DDF.397.118).
34. **L. Aissani**, A. Alhussein, C. Nouveau, L. Radjehi, I. Lakdhar , E. Zgheib. Evolution of microstructure, mechanical and tribological properties of vanadium carbonitride coatings sputtered at different nitrogen partial pressures. **Surf. Coat. Technol.** 374 (2019) 531-540.
35. L. Ghelani, M. Naoun, **L. Aissani**, A. Abbassi, S. Boulahrouz. Electrodeposition and mechanical characterization of Ni/SiC composite coatings. **Journal of Nano- and Electronic Physics** 11(3):03016-1-03016-5
36. **Linda Aissani**, Mamoun Fellah, Lamia Radjhi, Corinne Nouveau, Alex Montagne, Akram Alhussein, Effect of annealing treatment on the microstructure, mechanical and tribological properties of chromium carbonitride coatings. **Surface and Coatings Technology**. DOI. [10.1016/j.surfcoat.2018.12.099](https://doi.org/10.1016/j.surfcoat.2018.12.099).
37. Mamoun Fellah, **Linda Aissani**, Alain Iost, Amel Zairi, Alex Montagne, Alberto Mejias. Comportement à l'usure et au frottement de deux biomatériaux AISI 316L et Ti-6Al-7Nb pour prothèse totale de hanche. **Matériaux & Techniques**. DOI. [10.1051/mattech/2018051](https://doi.org/10.1051/mattech/2018051).
38. Mamoun Fellah, **Linda Aissani**, Mohammed Abdul Samad, Mythili Prakasam, Agung Purnama, Alex Montagne, Aalin Iost, Alberto Mejias, Stephania Kossman. Effect of calcination temperature on friction and wear behavior of α -Alumina (α -Al₂O₃) for biomedical applications. **Applied Ceramic Technology**. DOI: [10.1111/ijac.13116](https://doi.org/10.1111/ijac.13116)
39. **Linda Aissani**, Mamoun Fellah, Corinne Nouveau. Structural Mechanical and Tribological Behavior of Reactive Sputtered Cr-N and Cr-V-N Films. **Diffusion Foundations**. ISSN: 2296-3642, Vol. 18, 27-34.
40. Mamoun FELLAH, **Linda AISSANI**, Amel ZAIRI, Mamoun ABDUL SAMAD, Corinne NOUVEAU, Mohammed Zine TOUHAMI, Hamid DJEBAILI, Alex MONTAGNE & Alain IOST, "Thermal treatment effect on structural and mechanical properties of Cr-C coatings. **Transactions of the IMF**; 96 (02) (2018) 79-85
41. **LINDA Aissani**, FELLAH Mamoun, Abdul Samed Mohamed, CORINE Nouveau, Alexe Montagne, "structural and mechanical properties of Cr-Zr-N coatings with different Zr content". *Surface engineering*, 33 (09) (2017). DOI. [10.1080/02670844.2017.1338378](https://doi.org/10.1080/02670844.2017.1338378)

- 42.** FELLAH Mamoun, **LINDA Aissani**, CORINE Nouveau, Abdul Samed Mohamed, Alexe Montagne, " *Characterization of R.F magnetron sputtered Cr-N, Cr-Zr-N and Zr-N coatings*". *Trans IMF. The International Journal of Surface Engineering and Coatings*, 95 (05) (2017). **DOI: 10.1080/00794236.2017.1339464.**
- 43.** FELLAH Mamoun, **LINDA Aissani**, LABAÏZ Mohamed, Abdul Samed Mohamed, Alexe Montagne, " *Friction and wear behavior of biomaterials alloys AISI 316L and Ti-6Al-7Nb analyze and discussion*". *Trends in Biomaterials and Artificial Organs*, 32 (02) (2016).
- 44.** Mamoun FELLAH, **Linda AISSANI**, Mohammed ABDUL SAMAD, Alain IOST, Touhami MOHAMED ZINE, Alex MONTAGNE, Corinne NOUVEAU " *Effect of replacing vanadium by niobium and iron on the tribological behavior of hiped titanium alloys*". ***Acta Metallurgica Scinica (English Letters)*. 30 (11) (2017).1089-1099.**