



Abdenour Saoudi

Teacher-Researcher

TRAINING

December 2021

Diploma: University Accreditation
Specialty: Mechanical Engineering, Materials Sciences.
Institution: Abbes Laghrour University, Khenchela, Algeria.

June 2018

Degree: Doctorate
Specialty: Mechanical Engineering, Materials Sciences.
Institution: Abbes Laghrour University, Khenchela, Algeria.

July 2013

Degree: Master
Specialty: Mechanical Engineering, Mechanical and Production Design.
Institution: Abbes Laghrour University, Khenchela, Algeria.


July 2011


Degree: Bachelor's degree
Specialty: Mechanical Engineering, Materials Sciences.
Institution: Abbes Laghrour University, Khenchela, Algeria.


June 2008

Degree: Bachelor of Experimental Sciences,
Institution: High school El Hadj Lakhdar Zoui, Khenchela, Algeria.

PROFILE

 City November, 1st, Ouled Rechache,
Wilaya : Khenchela BP 40013, Algeria.

 saoudi_abdenour@univ-khenchela.dz
saoudiabdenour@gmail.com

 (+213) 660802080



LANGUAGES

Arab 
French 
English 

The articles

1. Boulahrouz Salim, **Saoudi Abdenour**, Chahaoui Oualid, Hadi M. Marwani, Rokkaya Sami, N. I. Aljuraide, Raed H. Althomali, Mohammed M. Rahman, Meser M. Ali, M. A. El Bouz. Three-dimensional transient CFD modeling of multiple finned aluminum foam heat sinks in a horizontal channel. *Alexandria Engineering Journal* 78(1):426-437 (2023).
2. Lamia Radjehi, Linda Aissani, Abdelkader Djelloul, **Abdenour Saoudi**, Salim Lamri, Komla Nomenyo, Gilles Lerondel, 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. *Metallurgical and Materials Engineering* 29(1):37-25 (2023).
3. **Abdenour Saoudi**, Salim Boulahrouz, Sozan Fares, Mourad Chitour, Khelifa Mansouri, Linda Aissani, Abdelaziz Abboudi. Numerical Modeling of Thin-Film Growth by Random Deposition with Particle Evaporation. *Journal of Nano- and Electronic Physics* 14(06):6016 (2022).
4. B. Regaiguia, O. Chahaoui, **A. Saoudi**, S. Boulahrouz, M.L. Fares. An Evolutionary Anisotropic Behavior for DC04 Sheet Using Hill48 Function under Non-Associated Flow Rule Hypothesis. *Journal of Nano- and Electronic Physics* 14(5):5009 (2022).
5. **Abdenour Saoudi**, Linda Aissani, Salim Boulahrouz, Lamia Radjehi, Oualid 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* 14(05):5021 (2022).
6. Mourad Chitour, Abdelhakim Bouhadra, Soumia Benguediab, **Abdenour Saoudi**, Abderrahmane Menasria, Abdelouahed Tounsi. Effect of Phase Contrast and Geometrical Parameters on Bending Behavior of Sandwich Beams with FG Isotropic Face Sheets. *Journal of Nano- and Electronic Physics* 14(05):5016 (2022).
7. 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 Materials Science* 57(4):1-19 (2022).
8. Nouredine Sid, Salim Boulahrouz, **Abdenour Saoudi**, Oualid Chahaoui, Khelifa Mansouri. Numerical Studies of Thermal Management of Multiple Electronic Devices Using Metal Foam Heat Sinks. *Journal of Nano- and Electronic Physics* 14(4) (2022).
9. 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* 28(3) (2022).
10. **Saoudi Abdenour**, Aissani Linda, Chahaoui Oualid, Bestandji Ali, Louafi Mohammed Salah, Djebaili Hamid and Chinesta Francisco. Influence of the carburization time on the structural and mechanical properties of XC20 steel. *Materials Research Express Mater. Res. Express* 8 085604 (2021).

The articles

11. K. Mansouri, B. Chermime, **A. Saudi**, H. Djebaili, A. Litim, Z. Kabouche. Effect of Reinforcing Particle Shape on the Behavior of Composites Materials. *Journal of Nano- and Electronic Physics* 13(06):6018 (2021).
12. **Saudi Abdenour**, Aissani Linda, Sorba Grégoire and Chinesta Francisco. Kinetic Monte Carlo simulation of random deposition and scaling behavior with respect to the germination length. *International Journal of Computational Materials Science and Engineering* 9 (4) 2050022 (2020).
13. **Saudi Abdenour**, Leon Angel, Grégoire Guillaume, Barasinski Anaïs, Djebaili Hamid, Chinesta Francisco. On the interfacial thermal properties of two rough surfaces in contact in preimpregnated composites consolidation. *Surface Topography: Metrology and Properties* 5 045010 (2017).
14. Ghelloudj Elhadj, Djebaili Hamid, Hannach Mohamed Tahar, **Saudi Abdenour**, Daheche Bilal. The influence of salt bath nitriding variables on hardness layer of AISI 1045 steel. *Acta Metallurgica Slovaca* 22(3):188-194 (2016).