



Publications de l'équipe : Machine Marines

1. **Boussoufi Mustapha, Amina Sabeur**, Entropy analysis of convective nanofluid flow with Brownian motion in an annular space between confocal elliptic cylinders, International Journal of Numerical Methods for Heat & Fluid Flow 2025 DOI : 10.1108/HFF-07-2024-0516
2. **Farah .Zemani Amina Sabeur**, Omar Ladjedel, Amira Chelih, Natural convective heat transfer in a square cavity with a curved hot wall partially heated from below, Physics of Fluids 2025 37(1) DOI: 10.1063/5.0244480
3. **Ikram Mostefa Tounsi, Amina Sabeur**, Mohammed El Ganaoui, **Souad Morsli**, Insights on the Air Quality Story, Standard's Evolution, and IoT's Role to Monitor IAQ for an Appropriate Indoor Environment, Chapter In book: Urban Pollution - Environmental Challenges in Healthy Modern Cities 2025, DOI: 10.5772/intechopen.1008551
4. **Naima Krarraz, Amina Sabeur**, Khadidja Safer, **Ahmed Ouadha**, Numerical Simulation of Turbulent Diffusion Flames of a Biogas Enriched with Hydrogen, Fluid Dynamics & Materials Processing 2024, 20(1), 79-96. <https://doi.org/10.32604/fdmp.2023.026238>
5. **Ikram Belmehdi, Beladjine Boumedienne, Djermouni Mohammed, Amina Sabeur**, Mohammed El Ganaoui, Steam Methane Reforming (SMR) Combined with Ship Based Carbon Capture (SBCC) for an Efficient Blue Hydrogen Production on Board Liquefied Natural Gas (LNG) Carriers, Fluid Dynamics & Materials Processing 2024, DOI: 10.32604/fdmp.2024.058510
6. **Ikram Mostefa Tounsi, Mustapha Boussoufi, Amina Sabeur**, Mohammed El Ganaoui, Impact of the Inlet Flow Angle and Outlet Placement on the Indoor Air Quality, Fluid Dynamics & Materials Processing 2024, DOI: 10.32604/fdmp.2024.050641
7. **Lina Wafaa Belhadj Senini, Amina Sabeur**, Enhanced heat transfer performance of sic/water and MWCNT/water nanofluids in micro-cylinder groups, Numerical Heat Transfer, Part A: Applications, (2023), <https://doi.org/10.1080/10407782.2023.2229514>
8. **Lina Wafaa Belhadj Senini, Boussoufi Mustapha Amina Sabeur** (2023) Analysis of the Heat Transfer Performance of Nanofluids in Micro-Cylinder Groups. EAST EUROPEAN JOURNAL OF PHYSICS. 4. 109-119 (2023), DOI:10.26565/2312-4334-2023-4-11
9. **Zemani, F., Ladjedel, O. Sabeur, A.** Simulation of CuO-water nanofluid natural convection in a U-shaped enclosure with a T-shaped baffle. J. Eng. Appl. Sci. 70, 99 (2023). <https://doi.org/10.1186/s44147-023-00257-x>



10. **Houda Soufi, Amina Sabeur**, Numerical simulation of oscillating cylinder in a mean flow at low Keulegan-Carpenter and Stokes numbers, Ocean Engineering Volume 281, 1 August 2023, 114551 <https://doi.org/10.1016/j.oceaneng.2023.114551>
11. **Khaled Said, Ahmed Ouadha, Sabeur-Bendehina Amina**, CFD based analysis of entropy generation due to mean and fluctuating fields during turbulent natural convection in a square enclosure. September 2022 Heat Transfer 52(1) DOI: 10.1002/htj.22686
12. **Khaled Said, Ahmed Ouadha, Sabeur-Bendehina Amina**, Turbulent double-diffusive convection and implementation of entropy production rate due to the mean and the fluctuating flow field. December 2022 International Communications in Heat and Mass Transfer 139(4):106462 DOI: 10.1016/j.icheatmasstransfer.2022.106462
13. **Farah Zemani, Sabeur Amina**, Numerical Study of Natural Convective Heat Transfer in an Air Filled Square Cavity Heated from Below and Symmetrically Cooled from the Sides with a Partition in the Hot Wall. August 2022 Fluid Dynamics and Materials Processing 19(2): 513-539
14. **Boussoufi Mustapha, Sabeur Amina**, Natural convective nanofluid flow characteristics with Brownian motion effect in an annular space between confocal elliptic cylinders. August 2022 Numerical Heat Transfer Applications DOI: 10.1080/10407782.2022.2102396
15. **Farah Zemani, Amina Sabeur**, CFD-Based Analysis of Entropy Generation on Laminar Natural Convection in Enclosures with Partitioned Walls and for Different Heating Positions. February 2022 Journal of Heat Transfer 144(6) DOI: 10.1115/1.4053938
16. **Khaled Said, Ahmed Ouadha, Sabeur-Bendehina Amina**, Turbulent Double-Diffusive Natural Convection and Entropy Generation within an Inclined Square Cavity. January 2022 Fluid Dynamics and Materials Processing 18(6):1619-1629
17. **Khaled Said, Ahmed Ouadha, Sabeur-Bendehina Amina**, CFD-based analysis of entropy generation in turbulent double diffusive natural convection flow in square cavity. December 2020 MATEC Web of Conferences 330(15):1-5
18. **Souad Morsli , Sabeur-Bendehina Amina, H. Ramenah, Rachid Bennacer**, Thermo-Fluid Simulation for Indoor Air Quality and Buildings Thermal Comfort, January 2020 MATEC Web of Conferences 307(1):01032
19. **Amel Remache, Yacine Addad, Sabeur Amina, Ahmed Ouadha**, « Thermal design optimization of passive cooling capability in a dry-storage system by adding wall undulations or semi- circular fins. June 2019 Nuclear Engineering and Design 347(4):140-150



20. **Souad Morsli, Amina Sabeur** , Mohammed El Ganaoui, H.Ramenah, "Computational Simulation of Entropy Generation in a Combustion Chamber Using a Single Burner" December 2018 Entropy 20(12):922
21. **Souad Morsli, Mustapha Boussoufi, Amina Sabeur**, Mohammed El Ganaoui, Rachid Bennacer " Small To Large Scall Mixed Turbulent Convection: Buildings Application", International Journal of Numerical Methods for Heat and Fluid Flow , Vol. 28 Issue: 1, pp.188-205 (2018)
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26. **W.Boudaoud A. Sabeur-Bendehina · S.Morsli ·** Numerical analysis of Al₂O₃ /water nano-fluids natural convection and entropy generation in enclosures, · Eur. Phys. J. Appl. Phys. (2017) 78: 34802
27. **Farah Zemani, Amina Sabeur-Bendehina** , Unsteady natural convection in a water filled cavity with hot partitioned wall, August 2017 Modelling, Measurement and Control B 86(1)
28. **Souad Morsli, Amina Sabeur**, and Mohammed El Ganaoui,” Numerical simulation of entropy generation in hydrogen-air burner”, Fluid Dynamics & Materials Processing FDMP20141201481, Nov 2015
29. **M.Shaba, A.Sabeur-Bendehina**, B.Azemi, Effect of orifice geometry on the development of a slightly heated turbulent jet, Journal of Fluid Engineering NOVEMBER 2015, Vol. 137
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