

Faculté : Technologie
 Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT
 Code du laboratoire : 0560100



Equipe : Transferts Convectifs & Energies
 Code de l'équipe de recherche : 0560102

N	Nom et prénom des auteurs	Titre de l'article	Journal	Catégorie A+/ A/B/ C	Lien sur net ou DOI	Année de publication
1	A.TETBIRT, M.A DJEBIRET, M. OUALI, M. MOKRANE, M. N. BOUAZIZ	Numerical investigation of MHD mixed-convective flow and heat transfer within immiscible micropolar and nanofluids in a vertical channel,	International Journal of Modelling and Simulation	A	https://www.tandfonline.com/doi/full/10.1080/02286203.2024.2315535?src=;	2024
2	A.MESBAH, R. ALOUAOUI, A.M BOUAZIZ, M. N. BOUAZIZ	Entropy generation analysis of MHD micropolar nanofluid over a moved and permeable vertical plate,	International Journal of Applied Mechanics and Engineering Vol.29(1) 73-89	B	DOI: 10.59441/ijame/181643	2024
3	S.A ALLICHE, A. BENNIA, AM BOUAZIZ, M. N. BOUAZIZ	Conjugate mixed convection of a micropolar fluid over a vertical hollow circular cylinder	International Journal of Applied Mechanics and Engineering Vol.29(1) 1-1	B	DOI: 10.59441/ijame/175807	2024
4	A.MAHMOUDI, AM BOUAZIZ, M. N. BOUAZIZ, D. SAHEB-KOUSSA.	Performance analysis of hybrid PV-diesel-storage system in AGRS-Hassi R'mel Algeria	International Journal of Renewable Energy Development Vol.12(6) 987-997	B	https://doi.org/10.14710/ijred.2023.54072	2024

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5	A. FERRAH, A.M BOUAZIZ, M.N. BOUAZIZ,	Heat transfer under magnetohydrodynamics flow of Nanofluids past an inclined plate with non-uniform boundary conditions	Advanced Engineering Forum Vol. 46, pp 23-39	A	https://www.scientific.net/AEF.46.23	2022
6	B. KHEMISSAT, A.M BOUAZIZ, M.N. BOUAZIZ,	Thermophoretic and suction/blowing effects on MHD mixed convection flow over an inclined plate combined with heat generation, chemical reaction and radiation,	Defect and Diffusion Forum Vol. 415, pp. 3-20	B	https://www.scientific.net/DDF.415.3	2022
7	BOUAZIZ, A.M; BOUAZIZ, M.N.; AZIZ, A.;	Influences of zero mass flux and active conditions on the predictions of double dispersion and double diffusive boundary layer in Darcy/non Darcy nanofluid flow	International Journal of engineering Research in Africa, Vol.57, pp.49-66	A	https://doi.org/10.4028/www.scientific.net/JERA.57	2022
8	R. ALLOUAOUI, S. FERHAT, M.N. BOUAZIZ,	MHD and stability for convective flow of micropolar nanofluid over a moving and vertical permeable plate,	Defect and Diffusion Forum-Transport phenomena in fluid and heat flows ,Vol. 408, pp 51-65,	A	https://doi.org/10.4028/www.scientific.net/DDF.408.51	2021
9	TAYEB M., M.N. BOUAZIZ,	Deep Investigation on Natural Convection Flow of a Couple Stress Fluid with Nanoparticles in an MHD Vertical Porous Channel with Convective Boundary Conditions,	International Journal of Heat and Technology Vol. 38, No. 2, June, pp. 487-498	A	http://www.iieta.org/Journals/IJHT/Current	2020
10	SAIDOUNE F.Z, M.N. BOUAZIZ, A.AZIZ	Conjugate Heat and Mass Transfer on Steady MHD Mixed Convection Flow Along a Vertical Slender Hollow Cylinder with Heat Generation and Chemical Reaction Effects.	Defect and Diffusion Forum Vol. 406, pp 53-65	A	https://doi.org/10.4028/www.scientific.net/DDF.406.53	2021

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11	N. MAMI, M.N. BOUAZIZ,	Heat And Mass Transfer Over A Stretching Surface In Porous Medium. Influence Of Chemical Reaction On MHD Nanofluid Flow	Journal of Multidisciplinary Engineering Science and Technology , Vol. 7 Issue 5, 11768-11775,	B	https://www.jmest.org/vol-7-issue-5-may-2020/	2020
12	A.TERFAI, Y. CHIBA, M.N. BOUAZIZ	Thermal performance enhancement of a solar shallow pond based on nanofluids,	Journal of nano-and electronic physics- Vol 12, n°1/01016	B	DOI 1021272/jnep.12(1).01016.	2020
13	M.TAYEB, M.N. BOUAZIZ, S. HANINI	Influence of Non-Linear Boussinesq Approximation and Convective Thermal Boundary Condition on MHD Natural Convection Flow of a Couple Stress-Nanofluid in a Porous Medium	Nano Hybrids and Composites– n° 26/2019, 45-61	B	https://doi.org/10.4028/www.scientific.net/NHC.26.45	2019
14	N.DARADJI, M.N. BOUAZIZ	Non-Linear Model for a Spiral Porous Fin Subjected to Darcy Flow	Nano Hybrids and Composites – n° 26/2019, 84-92	B	https://doi.org/10.4028/www.scientific.net/NHC.26.84	2019
15	N. MESSAOUDI, M.N. BOUAZIZ, H. ALIAGHA O.	Double Diffusive Convection in Flow Couple Stress Nanofluid in a Permeable Wall Vertical Channel in the Presence of a Magnetic Field	Nano Hybrids and Composites – n° 26/2019, 26-44	B	https://doi.org/10.4028/www.scientific.net/NHC.26.30	2019
16	Z. BENHARKAT, M.N. BOUAZIZ	MHD Rotating Fluid Past a Semi-Infinite Vertical Moving Plate: Coriolis Force and Wall Velocity Effects	Journal Of Advanced Research in Fluid Mechanics And Thermal Sciences– n° 60	A	http://www.akademiabaru.com/arfmts.html	2019

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17	A. FERRAH, M.N. BOUAZIZ,	Modeling of double diffusion with MHD on an inclined flat plate solar captor with nonuniform boundary conditions. Bouyancy ratio, Prandtl, Schmidt and Eckert numbers effects,	Annales de Chimie - Science des Matériaux – n° 3/2018, 335-346	B	doi: 10.3166/acsm.42.335-346	2018
18	S.A ALLICHE, M.N. BOUAZIZ,	Magnetic field and thermal radiation effects on mixed convection heat and mass transfer of micropolar fluid along a vertical slender hollow circular cylinder	JP Journal of Heat and Mass Transfer; Volume 15, Number 2, 2018, Pages 157-180	B	http://dx.doi.org/10.17654/HM015020157	2018
19	N.KERRACHE, M.N. BOUAZIZ,	Suction/injection effects on mhd free convection boundary flow in a Darcian Forchheimer porous medium	Advances and Applications in Fluid Mechanics, Volume 20, Number 4, 2017, Pages 561-578	B	http://dx.doi.org/10.17654/FM020040561	2017
20	A.MESSADI, M.N. BOUAZIZ	MHD and thermal dissipation effects on convective heat transfer over isothermal vertical thin needle,	Advances and Applications in Fluid Mechanics, Volume 20, Number 4, 2017, Pages 579-594	B	http://dx.doi.org/10.17654/FM020040579	2017
21	M. BOUKSANI, M.N. BOUAZIZ,	Computation of convective heat transfer coefficient for finite inclined and isothermal plate,	MECHANIKA. 2017 Volume 23(4): 537-544,	A	http://dx.doi.org/10.5755/j01.mech.23.4.14709	2017
22	R. ALLOUAOUI, M.N. BOUAZIZ	Influence of thermophoresis on MHD micropolar fluid over a moved permeable plate,	MECHANIKA. 2017 Volume 23(3): 382-390,	A	http://dx.doi.org/10.5755/j01.mech.23.3.14723	2017

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23	A.BENNIA, M.N. BOUAZIZ,	CFD modeling of turbulent forced convective heat transfer and friction factor in a tube for Fe ₃ O ₄ magnetic nanofluid in the presence of a magnetic field,	Journal of the Taiwan Institute of Chemical Engineers 78 (2017) 127-136	A	http://dx.doi.org/10.1016/j.jtice.2017.04.035	2017
24	N. BOUTALBI, M. N. BOUAZIZ, M. ALLOUCHE	Influence of temperature-dependent absorptivity on solid surface heated by CO ₂ and Nd:YAG lasers,	Journal of Laser Applications volume 28 issue 3 on page 032004, 2016	A	http://dx.doi.org/10.2351/1.4947311	2016
25	A.TETBIRT, M.N. BOUAZIZ, M. TAHAR-ABBES.A	Numerical study of magnetic effect on the velocity distribution field in a macro/micro scale of a micropolar and viscous fluids in vertical channel,	Journal of molecular liquids. 216, 103-110, 2016	A	http://dx.doi.org/10.1016/j.molliq.2015.12.088	2016
26	TRIKI, Z., MENASRI, R., BOUAZIZ, M.N., TAHRAOUI, H., et al.	Energy and Exergy Analyses of a PWR-Type Nuclear Power Plant Coupled with an ME-TVC-MED Desalination System.	Sustainability, 15(10), p.8358.	A	https://doi.org/10.3390/su15108358	2023
27	FERGANI, Z. AND MOROSUK, T.,	Advanced Exergy-Based Analysis of an Organic Rankine Cycle (ORC) for Waste Heat Recovery.	Entropy, 25(10), p.1475.	A	https://doi.org/10.3390/e25101475	2023
28	FERGANI, Z., TRIKI, Z., MENASRI, R., TAHRAOUI, H., et al.	Analysis of desalination performance with a thermal vapor compression system.	Water, 15(6), p.1225.	A	https://doi.org/10.3390/w15061225	2023

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29	MIBARKI, N., TRIKI, Z., BELHADJ, A.E., TAHRAOUI, H., et al.	Energy and Exergy Analysis of Solar Air Gap Membrane Distillation System for Seawater Desalination.	Water, 15(6), p.1201.	A	https://doi.org/10.3390/w15061201	2023
30	TAHRAOUI, H., TOUMI, S., HASSEIN-BEY, A.H., BOUSSELMA, A., SID, A.N.E.H., BELHADJ, A.E., TRIKI, Z et al.	Advancing Water Quality Research: K-Nearest Neighbor Coupled with the Improved Grey Wolf Optimizer Algorithm Model Unveils New Possibilities for Dry Residue Prediction.	Water, 15(14), p.2631.	A	https://doi.org/10.3390/w15142631	2023
31	TRIKI Z, FERGANI Z, LEKMINE S, TAHRAOUI H, et al.	Numerical Modelling and Performance Evaluation of Vacuum Membrane Distillation for Energy-Efficient Seawater Desalination: Towards Energy-Efficient Solutions.	Water. 2023 Jan;15(20):3612.	A	https://doi.org/10.3390/w15203612	2023
32	MIBARKI, N., TRIKI, Z., BELHADJ, A.E., TAHRAOUI, H., et al.	An Effective Standalone Solar Air Gap Membrane Distillation Plant for Saline Water Desalination: Mathematical Model, Optimization.	Water, 15(6), p.1141.	A	https://doi.org/10.3390/w15061141	2023
33	TAHRAOUI, H., BELHADJ, A.E., TRIKI, Z., et al. B	Mixed coagulant-flocculant optimization for pharmaceutical effluent pretreatment using response surface methodology and Gaussian process regression.	Process Safety and Environmental Protection, 169, pp.909-927.	A	https://doi.org/10.1016/j.psep.2022.11.045	2023
34	SEBBAR, Djamel, BOUDJEMA, Bouzid, BOUKAOU, Abdelali, et al.	Effects of the Magnetic Field and Thickness of Layers on Intersubband Absorption in Asymmetric Double Parabolic Quantum Wells.	Mathematical Modelling of Engineering Problems, 2023, vol. 10, no 4.	A	10.18280/mmep.100433	2023

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35	MENASRI, R., TRIKI, Z., BOUAZIZ, M.N. AND HAMROUNI, B.	Energy and exergy analyses of a novel multi-effect distillation system with thermal vapor compression for seawater desalination.	Desalination and Water Treatment, January 2022, Vol. 246, 54-67 ref. 45 ref.	A	https://doi.org/10.5004/dwt.2022.27992 https://www.deswater.com/DWT_abstracts/vol_246/246_2022_54.pdf	2022
36	TAHAR, S., ZIRARI, M., LABBADLIA, O. AND CHIBA, Y.	The Influence of the Fusion State of the Particles during the Simultaneous Impact on an Oxidized Substrate in the Presence of Asperities.	Processes, 10(8), p.1458.		https://doi.org/10.3390/pr10081458	2022
37	FERGANI, Z., TRIKI, Z., MENASRI, R., TAHRAOUI, H., et al.	Optimizing Sustainability: Exergoenvironmental Analysis of a Multi-Effect Distillation with Thermal Vapor Compression System for Seawater Desalination.	Frontiers in heat and mass transfer	A	https://dx.doi.org/10.32604/fhmt.2024.050332	2024
38	TRIKI, Z ; FERGANI Z. Tahraoui H.	Modeling of heat and mass transfer in vacuum membrane distillation for seawater desalination /	DESALINATION AND WATER TREATMENT, vol. 313, pp. 12-25, 2023		https://ui.adsabs.harvard.edu/link_gateway/2023DWatT.313...12T	2023