Personal Information

Name: Abdelhakim Family name: BOUHADRA

Date of Birth: 01/09/1984 Place of Birth: Amoucha - Setif
scientific grade: Professor
Specialization: Civil Engineering
Bachelor's Degree :2008, Master's Degree :2015, Ph.D: 2019,
Professorship :2024

Professional Information

- Professor in the Civil Engineering Department, Faculty of Science and Technology.
- Head of Civil Engineering Bachelor's Degree.
- Head of the doctoral training committee / Civil Engineering Track.
- Research Project Leader – University Training Research Project (PRFU).

Scientific Experience

- Member of the Materials and Hydrology Research Team at Djillali Liabès University, Sidi Bel Abbès.

Published Academic Articles in the Last Year

- Meski, K., Boutrid, A., Menasria, A., Bouhadra, A., Mamen, B., Tounsi, A., & Cuong-Le, T. (2024). Analytical modeling of flexural behavior of advanced composite sandwich beams under nonlinear hygro-thermo-mechanical loads. Multiscale and Multidisciplinary Modeling, Experiments and Design, 7(5), 4701-4719.
- Menasria A, Tamrabet A, Bouhadra A, et al. Nonlinear temperature dependent and visco-elastic foundation effects on the free vibration of functionally graded sandwich plates with ceramic foam core. The Journal of Strain Analysis for Engineering Design. 2024;59(8):542-558. https://doi:10.1177/03093247241273834.
- Chitour, M., Benguediab, S., Bouhadra, A., Bourada, F., Benguediab, M., & Tounsi, A. (2023). Effect of variable volume fraction distribution and geometrical parameters on the bending behavior of sandwich plates with FG isotropic face sheets. Mechanics Based Design of Structures and Machines, 52(6), 3079–3105. https://doi.org/10.1080/15397734.2023.2197036.
- Mourad Chitour, Abdelhakim Bouhadra, Fouad Bourada, Belgacem Mamen, Abdelmoumen Anis Bousahla, Abdelouahed Tounsi, Abdeldjebbar Tounsi, Mohamed Abdelaziz Salem, Khaled Mohamed Khedher, (2024). Stability analysis of imperfect FG sandwich plates containing metallic foam cores under various boundary conditions, Structures, 61, 106021, https://doi.org/10.1016/j.istruc.2024.106021.
- Boutrid, A., Rebai, B., Mamen, B. Bouhadra, A & Tounsi, A.A. Combined effect of temperature dependent material properties and boundary conditions on non-linear thermal stability of porous FG beams. Acta Mech 235, 2867–2887 (2024). https://doi.org/10.1007/s00707-024-03860-y.
- Lafi, D.E., Bouhadra, A., Mamen, B., Menasria, A., Bourada, M., Bousahla, A.A., Bourada, F., Tounsi, A., Tounsi, A. & Yaylacı, M. (2024). Combined influence of variable distribution models and boundary conditions on the thermodynamic behavior of FG sandwich plates lying on various elastic foundations. Structural Engineering and Mechanics, 89(2), 103-119. http://doi.org/10.12989/sem.2024.89.2.103.
- Masmoudi, F., Tamrabet, A., Refrafi, S., Alselami, N., Menasria, A., Bouhadra, A., Benyoucef, S. Coupled loading hygro-thermo-mechanical Effect on the stability of imperfect functionally graded sandwich plates. *Journal of Computational Applied Mechanics*, 2024; 55(4): 617-635. https://doi: 10.22059/jcamech.2024.374122.1007.
- Meski, K., Boutrid, A., Menasria, A. et al. Analytical modeling of flexural

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behavior of advanced composite sandwich beams under nonlinear hygro-thermo-mechanical loads. Multiscale and Multidiscip. Model. Exp. and Des. 7, 4701–4719 (2024). https://doi.org/10.1007/s41939-024-00414-6.

- Tamrabet, A., Mourad, C., Ali Alselami, N., Menasria, A., Mamen, B., Bouhadra, A. Efficient Kinematic model for Stability Analysis of Imperfect Functionally Graded Sandwich Plates with Ceramic middle layer and Varied Boundary Edges. *Journal of Computational Applied Mechanics*, 2024; 55(2): 184-200. https://doi: 10.22059/jcamech.2024.371464.947.
- Slimani, R., Menasria, A., Ali Rachedi, M., Mourad, C., Refrafi, S., Nimer, A. A., Bouhadra, A., Mamen, B. A novel quasi-3D refined HSDT for static bending analysis of porous functionally graded Plates. *Journal of Computational Applied Mechanics*, 2024; 55(3): 519-537. https://doi: 10.22059/jcamech.2024.372417.968.

Published Books

- Course and exercises “Steel Structures”.
- Course « Roads and Utilities ».