

CURRICULUM VITAE

Personal information

- **Personal**
 - Prof. Billel Gheraibia
 - Associate Professor, Department of Mathematics and Computer Science, University of Oum El Bouaghi, Algeria.
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 - Google Scholar : <https://scholar.google.com/citations?user=I9Ywg6MAAAJ&hl=en&oi=ao>
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Education

- **Ph.D.'s degree** in Applied mathematics, Central China Normal University, Wuhan, Hubei, P.R. China
- **Master's degree** in Applied mathematics, Echahid Cheikh Larbi Tebessi university
- **License's degree** in Fundamental mathematics, Echahid Cheikh Larbi Tebessi university

Functions and Affiliations

- **Associate professor**, Department of Mathematics and Computer Science, University of Oum El Bouaghi, Algeria.

Teaching modules

Biostatistique - Mathématique Statistique - Analyse 1 - Équations de la physique mathématique - Analyse des données expérimentales en biologie - Équations aux dérivées partielles

International publications

- B. Gheraibia, C. Wang, J. Yang, Existence and local uniqueness of bubbling solutions for the Grushin critical problem. *Differential and Integral Equations*. 32(1-2) (2019) 49-90.
- B. Gheraibia, Solutions for quasilinear elliptic systems with vanishing potentials, *Topological. Methods in Nonlinear Analysis*. 54(1) (2019) 153–175.
- B. Gheraibia, C. Wang, Multi-peak positive solutions of a nonlinear Schrödinger- Newton type system in $\mathbb{R}^3$. *Adv. Nonlinear Stud.* 20(1) (2020) 53-75.

- N. Boumaza, B. Gheraibia, On the existence of a local solution for an integro-differential equation with an integral boundary condition. Bol. Soc. Mat. Mex. 26 (2020) 521–534.
- N. Boumaza, B. Gheraibia, General decay and blowup of solutions for a degenerate viscoelastic equation of Kirchhoff type with source term. J. Math. Anal. Appl. 489(2), 124185 (2020).
- B. Gheraibia, N. Boumaza, General decay result of solutions for a viscoelastic wave equation with Balakrishnan-Taylor damping and a delay term. Z. Angew. Math. Phys. (2020) 71 :198.
- N. Boumaza, M. Saker, B. Gheraibia, Asymptotic behavior for a viscoelastic Kirchhoff-type equation with Delay and Source Terms. Acta. Appl. Math. (2021) 171 :18.
- H. Kamache, N. Boumaza, B. Gheraibia, General decay and blow up of solutions for the Kirchhoff plate equation with dynamic boundary conditions, delay and source terms. Z. Angew. Math. Phys. 73 (2) (2022) : 76.
- N. Boumaza, B. Gheraibia, Global existence, nonexistence, and decay of solutions for a wave equation of p -Laplacian type with weak and p -Laplacian damping, nonlinear boundary delay and source terms, Asymptotic Analysis 129(3-4) (2022) 577-592
- N. Boumaza, B. Gheraibia, G. Liu, Global Well-posedness of Solutions for the p -Laplacian Hyperbolic Type Equation with Weak and Strong Damping Terms and Logarithmic Nonlinearity, Taiwanese J. Math. 26(6): 1235-1255.

Interests and Qualifications

- **Interests:** Computational Mathematics - Nonlinear Analysis - Functional Analysis - Mathematical Modelling - Mathematical Physics.
- **Qualifications:** Scientific WorkPlace – LaTeX– English– French.
- **Other:** Chinese Language