

Liste des productions scientifiques (publications, communications, ...)
Année 2023

Etablissement Universitaire: Université 8 Mai 1945 de Guelma
Faculté: Mathématiques, Informatique et Sciences de la Matière
Laboratoire: Mathématiques Appliquées et Modélisation (LMAM)

| <i>Productions Scientifiques 2023</i> | | | | | | | |
|--|---|---|--------------|--|---------------|-------------|--|
| <i>Publications</i> | | | | | | | |
| <i>Titre</i> | <i>Auteurs</i> | <i>Revue</i> | <i>Année</i> | <i>Catégorie de la revue: A+ , A , B-Scopus, B-non Scopus, non classée</i> | <i>Volume</i> | <i>Page</i> | <i>URL</i> |
| Analytical and numerical approach for a nonlinear Volterra-Fredholm integro-differential equation | Mohamed Chrif Bounaya Mohamed Zine Aissaoui Samir Lemita, Sami Touati, | Boletim da Sociedade Paranaense de Matemática | 2023 | B | 41 | 1-14 | |
| New algorithm to solve nonlinear functional equations applying linearization then double discretization scheme (LDD) | Mohamed Zine Aissaoui Ammar Khellaf, Ilyes Sedka, | Kuwait Journal of Science | 2023 | A | | 65-74 | New algorithm to solve nonlinear functional equations applying linearization then double discretization scheme (L.D.D) - ScienceDirect |
| Fractional Simpson-like Inequalities with Parameter for Differential s-tgs-Convex Functions. | H. Boulares, B. Meftah, M. Merad, A. Moumen, M. Bouye, | Fractal Fract | 2023 | A | 7 | 772 | https://www.mdpi.com/2504-3110/7/11/772 |

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|------------------------------|---|--|--|------|---|----|-----------|---|---|
| Publications internationales | Fractional Maclaurin-Type Inequalities for Multiplicatively Convex Functions | M. Merad, B. Meftah, A. Moumen, M. Bouye, | Fractal Fract | 2023 | A | 7 | 879 | https://www.mdpi.com/2504-3110/7/12/879 | |
| | On a new nonlinear integro-differential Fredholm-Chandrasekhar equation | Ammar Khellaf, Meryem Benssaad, Samir Lemita | Boletim da Sociedade Paranaense de Matemática | 2023 | B | 41 | 01-sept | | |
| | Generalized iterative scheme for a generalized spectral problem | Mohamed Zine Aissaoui Ammar Khellaf, Wassim Merchela, Hamza Guebbai, | International Journal of Nonlinear Analysis and Applications | 2023 | B | | 1347-1357 | 10.22075/IJNAA.2022.24614.2782 | |
| | A Refinement Sum-Technique in an Iterative Scheme Adapted for a Linear System of Integral Equations to Approach a Fredholm Integral Equation's Solution | Mohammed Ghaaith Mahcene, Mohamed Zine Aissaoui, Ammar Khellaf, Samir Lemita, | Numerical Analysis and Applications | 2023 | | | 16 | 248-258 | https://link.springer.com/article/10.1134/S1995423923030060 |
| | Hermite wavelets collocation method for solving a Fredholm integro-differential equation with fractional Caputo-Fabrizio derivative | Mohamed Zine Aissaoui Samir Lemita, Youcef Henka, | Proyecciones (Antofagasta) | 2023 | | | 42 | 917-930 | https://www.scielo.org/antofagasta/article/10.1134/S1995423923030060 |

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| Publications internationales | Null controllability of α -Hilfer implicit fractional integro-differential equations with α -Hilfer fractional nonlocal conditions | Mourad Kerboua, Ichrak Bouacida, Sami Segni | Evolution Equations and Control Theory | 2023 | | 12 | 1473-1492 | https://www.aims.org/article/doi/10.3934/eect.2023021?viewType=HTML |
| | Controllability Results for sobolev type-Hilfer fractional backward perturbed integro-differential equations in hilbert space, Evol. Equ. Control Theory | BOUACIDA Ichrak, KERBOUA Mourad, SEGNI Sami | Evolution Equations and Control Theory | 2023 | A | 12 | 213-229 | http://dx.doi.org/10.3934/eect.2022028 |
| | Fractional Maclaurin Type Inequalities for Functions whose First Derivatives are s -Convex Functions | Saliha Djenaoui, B, Meftah | Jordan Journal of Mathematics and Statistics | 2023 | Classe B | 16 | 14 | DOI: https://doi.org/10.47013/16.3.7 |
| | Galerkin method applied to $p(\cdot)$ -Bi-Laplace equation with variable exponent, | Melouka Dehimi Abderrezak Chaoui | in Memoirs on Diff. Eq. And Math. Physics | 2023 | B-Scopus | | 2023:1-11 | |
| | Galerkin mixed finite element method for parabolic p -biharmonic equation with memory term | Abderrezak Chaoui Manal Djaghout | SeMa Journal | 2023 | B-Scopus | | | https://doi.org/10.1007/s40324-023-00337-1 |

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| Publications Internationales | On the solution of evolution $p(\cdot)$ -Bilaplace equation with variable exponent | Abderrezak Chaoui Manal Djaghout | Bol. Soc. Paran. Mat | 2023 | B-Scopus | (3s) V. 2023. (41): 1-10 | | doi:10.5269/bspm.62640 |
| | APPROXIMATE SOLUTION OF THE NONLINEAR FREDHOLM INTEGRAL EQUATION OF THE SECOND KIND | Mourad Ghiat, Sami Segni, Hamza Guebbai, Merchela Wassim, Stephane nenko | Владикавказский математический журнал | 2023 | B | | | |
| | A new hybrid conjugate gradient algorithm for unconstrained optimization | Hafaidia Imane, Al-Baali Mehiddin, H. Guebbai, M. Ghiat | Вестник Удмуртского университета. Математика. Механика. Компьютерные науки | 2023 | B | 33 | 348-364 | https://doi.org/10.35634/vm230211 |
| | A new hybrid conjugate gradient algorithm based on the Newton direction to solve unconstrained optimization problems | Noureddine Benrabia, Mourad Ghiat, Naima Hamel, Hamza Guebbai | Journal of Applied Mathematics and Computing | 2023 | A | 69 | 2531-2548 | https://doi.org/10.1007/s12190-022-01821-z |

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| Publications internationales | Block-by-block method for solving non-linear Volterra integral equation of the first kind | Boutheina Tair, Mourad Ghiat, Hamza Guebbai, Soumia Kamouche | Computational and Applied Mathematics | 2023 | B | | | 10.1007/s40314-023-02212-1 |
| | Numerical solution of non-linear Volterra integral equation of the first kind | Boutheina Tair, Mourad Ghiat, Hamza Guebbai, Mohamed Zine Aissaoui | Boletim da Sociedade Paranaense de Matemática | 2023 | B | | 01-nov | |
| | On Stability of Second Order Pantograph Fractional Differential Equations in Weighted Banach Space | Ridha Dida, Jehad Alzabut, Abdelkader Moumen, Hamid Boulares, Mohamed Bouye, Yamina Laskri | Fractal and Fractional | 2023 | A | 7 | 560 (1-13) | https://www.mdpi.com/2504-3110/7/7/560 |
| | On positive solutions of fractional pantograph equations within function-dependent kernel Caputo derivatives | Ridha Dida, Hamid Boulares, Manar A Alqudah, Bahaaeldin Abdalla, Thabet Abdeljawad | AIMS Mathematics | 2023 | A | 8 | 23032-23045 | https://www.aimspress.com/article/doi/10.3934/math.20231172 |

Productions Scientifiques 2023

Communications

| | Titre | Auteurs | Intitulé de manifestation | Année | Proceeding de la conférence indexé dans Scopus (oui /non) | Volume | Page | URL |
|----------------------------------|--|---|--|--------------|--|---------------|-------------|---|
| Communications nationales | Existence results of Mild solution for Sobolev type ψ -Hilfer hybrid fractional differential evolution equations. | BOUACIDA Ichrak, KERBOUA Mourad, SEGNI Sami | Second National Conference on Applied Mathematics and Didactics SNCAMD2023.At: Constantine-Algeria. May 13th, 2023. | 2023 | | | | https://sites.google.com/view/2ncamd2023/important-dates |
| | Complete Controllability of Nonlinear $(k; \psi)$ -Hilfer Fractional Differential Equations In Hilbert Space | BOUACIDA Ichrak, KERBOUA Mourad, | The Second Online National Conference on Pure and Applied Mathematics "CNMPA 2023" At: Université Echahid Cheikh Larbi Tebessi-Tebessa, Algérie. | 2023 | | | | https://cmpa2023.x10.bz/ |

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| Communications internationales | Generalized Newton-cotes inequalities involving three points via the Riemann-Liouville integral operator | Merad meriem | the first International Conference on Mathematical Sciences and Applications May 2-3, 2023. | 2023 | | | | |
| | On the mixed Volterra-Fredholm nonlinear equations system | Belhireche Hanane | 7th International Workshop on Applied Mathematics and Modeling "WIMAM' 2023" | 2023 | | | | |
| | Approximate controllability of sobolev type (k, ψ) -Hilfer fractional integro-differential Equations in Hilbert space. | BOUACIDA Ichrak, KERBOUA Mourad, SEGNI Sami | The 23rd International Pure Mathematics Conference 2023 (23rd IPMC 2023) on Algebra, Analysis and Geometry, Islamabad , 26-28 August 2023. At: Islamabad, Pakistan | 2023 | | | | http://www.pmc.prg.pk/ |
| | Using the Hilfer-Katugampola fractional derivative in initial value Mathieu fractional differential equations with application to a particle in the plane | Tabouche Nora | International Workshop on Applied Mathematics "2nd IWAM 2023" | 2023 | | | | |

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| Communications internationales | FRACTIONAL MACLAURIN TYPE INEQUALITIES FOR FUNCTIONS WHOSE FIRST DERIVATIVES ARE s -CONVEX FUNCTIONS | Saliha Djenaoui B. MEFTAH | the first International Conference on Mathematical Sciences and Applications | 2023 | | | | https://sites.google.com/view/icmsa2023 |
| | On the study of some p -biharmonic problems, | Abderrezak Chaoui | 1, 7th International Workshop on Applied Mathematics and Modeling (WIMAM' 2023) | 2023 | | December 13-14, 2023, University 8 Mai 45-Guelma, Algeria | | |
| | Theoretical and numerical studies for p -biharmonic evolution equation | Abderrezak Chaoui | 7th International Conference of Mathematical Sciences (ICMS 2023), | 2023 | | 5-9 July 2023, Maltepe University, Istanbul, Turkey. | | |
| | High-order hyperbolic equation with non-standard anisotropic growth conditions | R. Khalfallaoui A. Chaoui | 7th Internatinal Workshop on Applied Mathematics and Modelling, Guelma, Algeria | 2023 | | | | |

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| Communications internationales | Mathematical modeling of a social phenomenon: Academic failure | Marwa Hannachi Guebbai Hamza | 7ème Workshop International sur les Mathématiques Appliquées et la Modélisation « WIMAM'2023 » | 2023 | | | | |
| | New conjugate gradient coefficient satisfying the conjugation condition | Noureddine Benrabia, Naima Hamel, Mourad Ghat, Hamza Guebbai | 7ème Workshop International Sur les Mathématiques Appliquées et la Modélisation WIMAM'2023 | 2023 | | | | https://lmam.univ-guelma.dz/fr/content/wimam-2023 |
| | Asymptotic stability for pantograph Caputo-Hadamard fractional differential equations | DIDA Ridha | 7ème Workshop International Sur les Mathématiques Appliquées et la Modélisation «WIMAM'2023» | 2023 | Non | | | |
| | Weak Conditions for the Application of the Kantorovich Method in Approximating the Generalized Quadratic Spectrum | Somia Kamouche Hamza Guebbai | 7ème Workshop International Sur les Mathématiques Appliquées et la Modélisation «WIMAM'2023» | 2023 | | | | |