

Liste des productions scientifiques(publication, communication,....)
Année 2021

Etablissement Universitaire: Université 8 Mai 1945 Guelma

Faculté: Mathématiques, Informatique et Science de la matière

Laboratoire: de Mathématiques Appliquées et de Modélisation- LMAM-

Productions Scientifiques 2021							
Publications							
Titre	Auteurs	Revue	Année	Catégorie de la revue: A+, A, B- Scopus, B- non Scopus, non classée	Volume	Page	URL
Analysis of a Nonlinear Volterra-Fredholm Integro-Differential Equation	AISSAOUI Med Zine Mohammed Charif Bounaya GUEBBAI Hamza	Quaestiones Mathematicae	2021		45	307-325	https://doi.org/10.2989/16073606.2020.1858991
On a nonlinear integro-differential equation of Fredholm type	Mohammed Charif Bounaya Samir Lemita Mourad Ghiaï Mohamed Zine Aissaoui	International Journal of Computing Science and Mathematics	2021		13	194-205	https://www.inderscienceonline.com/doi/full/10.1504/IJCSM.2021.114188
Integral inequalities via harmonically-convexity	Meriem Merad Badreddine Meftah Abdourazek Souahi	Moroccan Journal of Pure and Applied Analysis	2021		7	385-399	https://www.sciendo.com/article/10.2478/mjpa-2021-0026
Fractional Hermite-Hadamard type integral inequalities for functions whose modulus of the mixed derivatives are co-ordinated $(1 \circ g, (\alpha, m))$ -preinvex	Sarra Ghomrani Badreddine Meftah Wahida Kaidouchi Meryem Benssaad	Afrika Matematika	2021		32	925-940	https://link.springer.com/article/10.1007/s13370-021-00870-0
Conformable fractional Hermite-Hadamard type inequalities for product of two harmonic s -convex functions	Badreddine Meftah Meryem Benssaad Wahida Kaidouchi Sarra Ghomrani	Proceedings of the American Mathematical Society	2021		149	1495-1506	https://www.ams.org/journals/proc/2021-149-04/S0002-9939-2021-15396-3/
On the new integro-differential nonlinear Volterra-Chandrasekhar equation	Khellaf Ammar Aissaoui Mohammed-Zine	Advanced Studies: Euro-Tbilisi Mathematical Journal (E-ISSN: 2667 - 9930)	2021			203-214	
New sufficient conditions for the computation of generalized eigenvalues	Ammar Khellaf Wassim Merchela Hamza Guebbaï	Russian Mathematics	2021		65	65-68	https://link.springer.com/article/10.3103/S1066369X21020067
Dopamine Family Complexes with β -Cyclodextrin: Molecular Docking Studies	Mouna Cheriet Rayenne Djemil Ammar Khellaf Djameledine Khatmi	Polycyclic Aromatic Compounds	2021			1-10	https://www.tandfonline.com/doi/abs/10.1080/10406638.2021.1970588
Existence and decay of solution to coupled system of viscoelastic wave equations with strong damping in R^n	Keltoum Bouhali Fateh Ellagoune	Boletim da Sociedade Paranaense de Matematica	2021		6	31-52	https://periodicos.uem.br/ojs/index.php/BSoeParanMat/article/view/41175
Existence and Stability Analysis of Solution for Mathieu Fractional Differential Equations with Applications on Some Physical Phenomena	N. Tabouche A. Berhail M. M. Matar J. Alzabut A. G. M. Selvam D. Vignesh	Iranian Journal of Science and Technology, Transactions A: Science	2021		45	973-982	https://doi.org/10.1007/s40995-021-01076-6(0123456789).-.volIV(0123456789-.).volIV
Existence, blow up and growth of solutions for a coupled quasi-linear viscoelastic Petrovsky equations with degenerate damping terms	Fatma Ekinci Erhan Piskin Khaled Zennir	Journal of Information and Optimization Sciences	2021			1-19	https://www.tandfonline.com/doi/abs/10.1080/02522667.2021.1972619
Well-posedness and Stability for a Moore-Gibson-Thompson Equation with Internal Distributed Delay	Abdelkader Braik Abderrahmane Beniani Khaled Zennir	Discontinuity, Nonlinearity, and Complexity	2021		10	693-703	https://www.lhscientificpublishing.com/Journals/articles/DOI-10.5890-DNC.2021.12.009.aspx
Existence and General Decay Estimates for a Petrovsky-Petrovsky Coupled System with Nonlinear Strong Damping	Abderrahmane Beniani Noureddine Bahri Khaled Zennir	Journal of Applied Nonlinear Dynamics	2021		10	645-657	https://www.lhscientificpublishing.com/Journals/articles/DOI-10.5890-JAND.2021.12.005.aspx

Publications internationales

	New Stability Estimates of Solutions to Strong Damped Wave Equation with Logarithmic External Forces	Nabil Houma Khaled Zennir Abderrahmane Beniani Abdelhak Djebabela	Journal of Applied Nonlinear Dynamics	2021		10	625-634	https://www.lhscientificpublishing.com/journals/articles/DOI-10.5890-DNC.2021.12.004.aspx
Publications Internationales	General decay of solutions in one-dimensional porous-elastic with memory and distributed delay term	Abdelbaki Choucha Djamel Ouchenane Khaled Zennir	Tamkang Journal of Mathematics	2021		52	479-495	https://journals.math.tku.edu.tw/index.php/TKJM/article/view/3519
	Bresse-Timoshenko type systems with thermodiffusion effects: well-posedness, stability and numerical results	Mohammad Elhindi Khaled Zennir Djamel Ouchenane Abdelbaki Choucha T El Arwadi	Rendiconti del Circolo Matematico di Palermo Series 2	2021			1-26	https://link.springer.com/article/10.1007/s12215-021-00672-0
	Well-posedness and energy decay for some thermoelastic systems of Timoshenko type with Kelvin-Voigt damping	Hanni Dridi Khaled Zennir	SeMA Journal	2021		78	385-400	https://link.springer.com/article/10.1007/s40324-021-00239-0
	Dynamics of a coupled system for nonlinear damped wave equations with variable exponents	Khaled Zennir Tosiya Miyasita	ZAMM Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik	2021		101		ZAMM Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik
	Gevrey regularity for the generalized Kadomtsev-Pevniashvili I (gKP-I) equation	Aissa Boukarou Kaddour Guerbat Khaled Zennir Mohammad Alnegga	AIMS Mathematics	2021		6	10037-10054	http://www.aimspress.com/aimspress-data/math/2021/9/PDF/math-06-09-583.pdf
	Existence and uniqueness results for initial value problem of nonlinear fractional integro-differential equation on an unbounded domain in a weighted Banach space	A Boulfoul B Tellab N Abdellouahab Khaled Zennir	Mathematical Methods in the Applied Sciences	2021		44	3509-3520	https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.6957
	On an Integro-Differential Fractional Nonlinear Volterra-Caputo Equation	S Guemar Hamza Guebbai Samir Lemita	Numerical Analysis and Applications	2021		14	316-334	https://link.springer.com/article/10.1134/S1995423921040029
	On a system of Volterra integral equations with a weakly singular kernel	Mourad Ghiaï Soumia Kamouche Annar Khellaf Wassim Merchela	Journal of Mathematical Sciences	2021		193	33-44	http://www.mathnet.ru/php/archive.phtml?wshow=paper&jmid=into&paperid=799&option_lang=eng
	The approximate solution of nonlinear Fredholm implicit integro-differential equation in the complex plane	Samir Lemita Sami Touati Kheireddine Derbal	Asian-European Journal of Mathematics	2021				https://www.worldscientific.com/doi/abs/10.1142/S1793557122501315
	One method for investigating the solvability of boundary value problems for an implicit differential equation	Wassim Merchela	Russian Universities Reports. Mathematics	2021		26	404-413	http://www.mathnet.ru/php/archive.phtml?wshow=paper&jmid=vtamu&paperid=241&option_lang=eng
	Two-sided estimates for solutions of boundary value problems for implicit differential equations	Sarra Benarab	Russian Universities Reports. Mathematics	2021		26	216-220	http://www.mathnet.ru/php/archive.phtml?wshow=paper&jmid=vtamu&paperid=226&option_lang=eng
	On Chaplygin's theorem for an implicit differential equation of order n	Sarra Benarab	Russian Universities Reports. Mathematics	2021		26	225-233	http://www.mathnet.ru/php/archive.phtml?wshow=paper&jmid=vtamu&paperid=227&option_lang=eng
	New linearization method for nonlinear problems in Hilbert space	Nada Bouazila Hamza Guebbai Wassim Merchela	Revista Colombiana de Matemáticas	2021	B-Scopus	55	167-175	https://revistas.unal.edu.co/index.php/recolma/article/view/102622
	A new optimization method based on Perry's idea through the use of the matrix power.	HAFADIA Imane BENRABIA Noureddine GHIAI Mourad	Journal of Applied Mathematics and Computational Mechanics	2021	B	20	29-41	https://amcm.pcz.pl/?id=view&volume=20&issue=4&article=3
	Generalized quadratic spectrum approximation in bounded and unbounded cases	Soumia Kamouche Hamza Guebbai M Ghiaï Sami Segni	Проблемы анализа—Issues of Analysis	2021	B-Scopus	10	53-70	http://www.mathnet.ru/php/archive.phtml?wshow=paper&jmid=pa&paperid=331&option_lang=rus
An approximation solution of linear Fredholm integro-differential equation using Collocation and Kantorovich methods	Bouheïna Tair Hamza Guebbai Sami Segni Mourad Ghiaï	Journal of Applied Mathematics and Computing	2021			1-21	https://link.springer.com/article/10.1007/s12190-021-01654-2	
Solving linear Fredholm integro-differential equation by Nyström method	Bouheïna Tair Hamza Guebbai Sami Segni Mourad Ghiaï	Journal of Applied Mathematics and Computational Mechanics	2021		20		https://bibliotekanauki.pl/articles/1839836	

Productions Scientifiques 2021								
Communications								
Titre	Auteurs	Intitulé de manifestation	Année	Proceeding de la conférence indexé dans Scopus (oui /non)	Volume	Page	URL	
Communications nationales	Study of Ulam Stability of Mathieu fractional differential equations	Amel Berhail	NATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS	2021				
	Existence and stability analysis of solution for Mathieu fractional differential equations	Amel Berhail	NC-PAM'2021: The First National Conference on Pure and Applied Mathematics	2021				
	Existence and uniqueness of solution for Sturm-Liouville and Langevin fractional differential equations	Amel Berhail	Confrence Nationale de Mathématiques et Applications CNMA 2021. 11 Decembre 2021. Mila - Algrie	2021				
	Different numerical methods to solving system of nonlinear Fredholm integro-differential equations	Ilyes SEDKA S. LEMITA M.Z. AISSAOUI A. KHELLAF	Second National Mathematics Seminar 2021	2021				
Communications internationales	Cantor equicontinuous factors of the Coven cellular automaton of three neighbours	Saliha Djenaoui	AUTOMATA 2021	2021			https://hal-uepec-upem.archives-ouvertes.fr/hal-03264049	
	A new finite rank Newton-like method	Nada Bouazila Hamza GUEBBAI	International Congress on Fundamental and Applied Sciences	2021			http://icfas2021.intsa.org/	
	On the approximate solutions of some Fredholm integral equations	Ilyes SEDKA	2021 Annual Conference of the "Southern Africa Mathematical Sciences Association (SAMSA)" hosted by Auburn University	2021				
	KANTOROVICH PROJECTION METHOD TO COMPUTE THE GENERALIZED QUADRATIC SPECTRUM	Somia Kamouche Hamza Guebbai Mourad Ghiat	8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021)	2021		6	70	http://icfas2021.intsa.org/topics.html
	About Spectral Approximation Of The Generalized Quadratic Spectrum	Somia Kamouche Hamza Guebbai Mourad Ghiat	1st International Conference on Pure and Applied Mathematics	2021				
	NEW CONJUGATE GRADIENT ALGORITHM BUILT BY A PSEUDOCONVEX	Marwa Hammachi Imane HAFALDIA Mourad GHIAT Hamza GUEBBAI	8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021)	2021		6	74	http://icfas2021.intsa.org/topics.html