Khaled ZENNIR

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Personal Details

Name	Khaled ZENNIR
Gender	Male
Date and place of birth	May 04, 1982, Skikda, Algeria
Nationality	Algerian
Marital Status	Married with four Child (Razane, Mohamed Fadi, Racha and Jinane)
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Major Field	Applied Mathematics
Area of specialization	Partial Differential Equations
Laboratory	Laboratory of Applied Mathematics and Modeling, University of 8 Mai 1945, Guelma. B.P. 401 Guelma 24000. Algeria
Homepage	http://elearning.univ-skikda.dz/course/view.php?id=318 http://faculty.qu.edu.sa/k.Zennir
Researchgate	http://www.researchgate.net/profile/Zennir_Khaled
Googlescholar	https://scholar.google.com/citations?hl=ar&user=T6rm__IAAAAJ&view_op=list_works&sortby=pubdate
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Web of Science ResearcherID	AAJ-4285-2021
Scopus Author ID	55558354900

Employment History

09/2015-Now	Associate professor- Department of mathematics, college of sciences and arts, Qassim University, Ar-Rass, Saudi Arabia.
09/2015-02/2021	Assistant professor- Department of mathematics, college of sciences and arts, Qassim University, Ar-Rass, Saudi Arabia.
09/2012-08/2015	Associate professor- University 20 Aôut 1955- Skikda, Algeria
03/2009-08/2012	Assistant professor- University of Science and Technology Mohamed Boudiaf, Oran, Algeria.
09/2007-08/2008	Lecturer- University 20 Aôut 1955- Skikda, Algeria

Career Objective

Keep interest for teaching and innovative research in advanced mathematics to help my institution in achieving its mission and objectives by making best use of my educational ability, skills, efforts and desires.

Degrees/Qualifications

May 2015	Awarded HDR degree (Associate professor in Mathematics): PDEs, University Constantine 1, 25000, Algeria.
December 2013	Ph.D Thesis in Mathematics: Partial differential equations, University Djillali Liabes of Sidi Bel Abbes, 22000, Algeria
February 2009	M. Sc. (Magister Thesis) in mathematics: Dynamical system and functional analysis, University Badji mokhtar –Annaba, 23000, Algeria
June 2006	B. Sc. (Diploma of Graduate Studies) in mathematics: Numerical analysis, University 20 Août 1955, SKIKDA, 21000, Algeria
June 2000	High School, New Secondary school of Tamalous, Skikda, 21000, Algeria

Areas of research interest

My research work treats different issues and investigates several types of systems in the field of evolution partial differential equations including the existence of solutions and asymptotic analysis for systems of damped PDEs (Nonlinear Hyperbolic Partial Differential Equations: Global Existence, Blow-Up, and Long Time Behavior, Control of PDEs). A major part of my research activities was dedicated to establishing general stability results and explicit energy decay rates for different evolution problems in viscoelasticity. I have established a number of new results which improve and generalize some old results existing in the literature.

I believe that the collaboration has its impact on the quality and diversity of research. Responding to this belief, some of my published papers and ongoing research activities are resulted from collaborative work with other researchers in the same field. For instance, I have ongoing joint works with Dr. Svetlin G. Georgiev (Sofia University, Bulgaria. Email: sgg2000bg@yahoo.com), Dr. Baowei Feng (University of Finance and Economics, China. Email: bwfeng@swufe.edu.cn), Dr. Tosiya Miyasita (Doshisha University, Kyoto, Japan. Email: sk109685@mail.doshisha.ac.jp), Dk. Perikles Papadopoulos (University of West Attica, Athens, Greece. Email: ppapadop@uniwa.gr), Pr. Abderrazek Chaoui (Prince Sattam bin Abdulaziz University, Kingdom of Saudi Arabia. Email: ablazek2007@yahoo.com), Pr. Salah Boulaaras (Qassim University, Kingdom of Saudi Arabia. Email: s.boulaaras@qu.edu.sa), Pr. Benaissa Abbes (University djillali Liabes of Sidi-Bel-Abbes, Algeria. Email: benaissa_abbes@yahoo.com) and other.

In addition to these research activities, I have reviewed research papers for a number of journals. I am a supervisor of a Ph.D. students and a co-supervisor for other. I attended several conferences and presented seminars inside and outside the department of mathematics of my institution.

Achievements

May 2-3, 2023 — The First International Conference on Mathematical Sciences and Applications (ICMSA2023), Organized at 8 May 1945 Guelma University, Algeria. Member of Scientific Committee.
https://sites.google.com/view/icmsa2023/?fbclid=IwAR13Iu584DhtMKJwSIfYcEw6aqT4Slu9ZaYl0LLyBZPf4RvjfknY0Qa2-Vw

May 22-26, 2022 — Recent Developments in Ordinary and Partial Differential Equations (Rdopde22), Organized at University of Bejaia, Algeria. Member of Scientific Committee.
http://rdopde22.sciencesconf.org/

December 11-12, 2021 — The first National Conference on Pure and Applied Mathematics (NC-PAM'2021), Organized at University of Laghouat, Algeria. Member of Scientific Committee.
https://sites.google.com/view/ncpam2021/home/committees?authuser=0

May 26-27, 2021 — First International Conference on Pure and Applied Mathematics (IC-PAM'21), Organized at University of Ouargla, Algeria. Member of Scientific Committee.
https://ic-pam.sciencesconf.org/resource/page/id/5

September 03-10, 2015 — Attended and successfylly completed " Pedagogical Training" from 3rd september to 10 september 2015 organized by Qassim University, KSA

November 26-27, 2014 — President of the Organizing Committee of the national Days on applied mathematics and its applications, at University 20 Août 1955, Skikda, Algeria.

Talks in conferences and seminars

December 18-19, 2022	The 2nd National Conference on Pure and Applied Mathematics (NCPAM'2022), Organized at Amar Telidji University – Laghouat, Algeria. Under title: " On the Bresse-Timoshenko type systems with thermodiffusion effects".
September 17-19, 2022	The second national conference on mathematics and its applications (CNMA'2022), Organized at University of Bordj Bou Arreridj, Algeria. Under title: " Bresse-Timoshenko type systems with thermodiffusion effects: well-possedness, stability and numerical results".
May 22-26, 2022	Recent Developments in Ordinary and Partial Differential Equations (Rdopde22), Organized at University of Bejaia, Algeria. Under title: "Stabilization for solutions of plate equation with time-varying delay and weak-viscoelasticity in $\mathbf{R}^n$".
December 13-14, 2021	The first national conference on mathematics and its applications (CNMA'2021), Organized at University of Bordj Bou Arreridj, Algeria. Under title: "The impact of time-varying delay to stabilize solutions of the plate equation with weak viscoelasticity in $\mathbf{R}^n$".
December 11-12, 2021	The first national conference on pure and applied mathematics (NC-PAM'2021), Organized at University of Laghouat, Algeria. Under title: "Stablity of solution to the plate equation with weak viscoelasticity and time varying delay in $\mathbf{R}^n$".
August 24-25, 2020	In Uzbekistan-Malaysia international online Conference on Computational models and technologies (CMT2020), Organized at National University of Uzbekistan, Uzbekistan. Under title: "Existence and uniqueness with Ulam stability results for the solution of nonlinear fractional integro-differential equation". http://cmt.nuu.uz/
December 18-21, 2017	International Conference on advances in applied mathematics, Organized at University of Hammamet, Tunisia. Under title: "Exponential stability of a viscoelastic wave equation with a time delay in the boundary"
July 12-15, 2017	30th International Conference of the Jangjeon Mathematical Society Pure and Applied Mathematics, Organized at University of Sciences and Technology Houari Boumedienne Faculty of Mathematics, Algeria. Under title: "Energy decay of solution to plate equation with memory in R^n"
December 09-10, 2014	Days on applied mathematics and its applications, Organized at University 20 Août 1955, Skikda, Algeria. Under title: "Decay rate estimate of solution to damped wave equation with memory term in Fourier spaces"
December 01-02, 2014	Second scientific national days , Organized at Higher Normal School of Technology Education, Skikda, Algeria. Under title: "General decay of solutions of wave equation with density and memory term in R^n"
October 27-29, 2014	Seminar on PDE and its applications, Organized at University Bordj Bouariridj, Algeria. Member of the Scientific Committee.
May 20-22, 2013	Workshop on mathematics modeling and control, Organized at University Badji Mokhtar, Annaba, Algeria. Under title: "Decay results for higher-order degenerate Kirchhoff equation"

April 17-18, 2013 — National conference of mathematics and applications CNMA'13, Organised at University Abbes Laghrour of Khenchela, Algeria. Under title: "On the nonexistence of solutions to degenerately damped system of nonlinear viscoelastic wave equations"

December 12, 2011 — Day of mathematics at University of sciences and technology of Oran, Algeria. Under title: " Global nonexistence of solutions to system of nonlinear viscoelastic wave equations with degenerate damping and source terms".

November 29-30, 2011 — National Days of applied mathematics, JNMA'11 at University 20 Août 1955 SKIKDA, Algeria. Under title: " Blow up for all time of positive initial energy solutions to system of a nonlinear wave equations with degenerate damping and source terms".

March 01, 2011 — Second Day between Algerian-Tunisian searchers of Partial Differential Equations " JATEDPC'2011 " Organized at University of Djillali LIABES, SIDI BEL ABBES, Algeria. Under title: " Existence and exponential growth of solutions for a nonlinear viscoelastic wave equation".

November 10-12, 2008 — The 3rd Days on Differential Equations and Applications "JEDAIII" Organized at the University of ANNABA, Algeria. Under title: "Existence and decay of solutions of a nonlinear viscoelastic hyperbolic equation".

October 28-30, 2008 — The International Seminar on Mathematical Analysis "SIAM" Organized at the University of JIJEL, Algeria. Under title: " Existence and asymptotic behavior of solutions for a nonlinear viscoelastic wave equation".

Publications

Published papers

2023

156. Abdelkader Braik, Safa M. Mirgani, Eltigani I. Hassan and Khaled Zennir, Well-Posedness and Energy Decay Rates for a Timoshenko-Type System with Internal Time-Varying Delay in the Displacement, Symmetry. 15(10),1878, 1–16, 2023.
https://www.mdpi.com/2073-8994/15/10/1878

155. Noureddine Bahri, Abderrahmane Beniani, Abdelkader Braik, Svetlin G. Georgiev, Zayd Hajjej, Khaled Zennir , Global existence and energy decay for a transmission problem under a boundary fractional derivative type, AIMS Mahematics, 8(11), 27605–27625, 2023.
https://www.aimspress.com/article/doi/10.3934/math.20231412

154. Fatima Siham Djeradi, Fares Yazid, Svetlin G. Georgiev, Zayd Hajjej and Khaled Zennir, On the time decay for a thermoelastic laminated beam with microtemperature effects, nonlinear weight, and nonlinear time-varying delay, AIMS Mahematics. 8(11), 26096–26114, 2023.
https://www.aimspress.com/article/doi/10.3934/math.20231330

153. A. Braik, Kh. Zennir, E. I. Hassan, A. H. A. Alfedeel and Safa M. Mirgani, Existence and Asymptotic Stability of the Solution for the Timoshenko Transmission System with Distributed Delay, Axioms 2023, 12(9), 833.
https://doi.org/10.3390/axioms12080777

152. Svetlin Georgiev, Aissa Boukarou, Zayd Hajjej and Khaled Zennir, Classical Solutions for the Generalized Korteweg-de Vries Equation, Axioms 2023, 12(8), 777.
https://doi.org/10.3390/axioms12090833

151. Serrai H., Tellab B., Zennir Kh., On two-order fractional boundary value problem with generalized Riemann-Liouville derivative, Ufa Mathematical Journal Vol. 15, 2,(2023) 135-156.
https://matem.anrb.ru/en/article?art_id=957

150. Mohammad Shahrouzi, Jorge Ferreira, Erhan Pişkin & Khaled Zennir, On the Behavior of Solutions for a Class of Nonlinear Viscoelastic Fourth-Order p(x)-Laplacian Equation, Mediterr. J. Math. 20, 214 (2023).
https://link.springer.com/article/10.1007/s00009-023-02423-0

149. Svetlin G. Georgiev, A. Boukarou, Keltoum Bouhali, Khaled Zennir, Hatim M. Elkhair, Eltegani I. Hassan, Alnadhief H. A. Alfedeel and Almonther Alarfaj , Classical Solutions for the Generalized Kawahara–KdV System, Symmetry 2023, 15(6), 1159.
https://www.mdpi.com/2073-8994/15/6/1159

148. Mohamed Karek, Sadok Otmani, Keltoum Bouhali, Khaled Zennir, Hatim M. Elkhair, Eltegani I. Hassan, Alnadhief H. A. Alfedeel and Almonther Alarfaj, Existence and Qualitative Properties of Solution for a Class of Nonlinear Wave Equations with Delay Term and Variable-Exponents Nonlinearities, Axioms 2023, 12(5), 444, 1-21.
https://www.mdpi.com/2075-1680/12/5/444

147. Abdelkader Moumen, Abderrahmane Beniani, Tariq Alraqad, Hicham Saber, Ekram Eldayed Ali Ahmad, Keltoum Bouhali, Khaled Zennir, Energy decay of solution for nonlinear delayed Transmission problem, AIMS Mathematics, 8(6): 13815-13829.
http://www.aimspress.com/article/doi/10.3934/math.2023707

146. Younes Bidi, Abderrahmane Beniani, Keltoum Bouhali, Khaled Zennir, Hatim M. ElKhair, Eltegani I. Hassan and A. M. Alarfaj, Local Existence and Blow-Up of Solutions for Wave Equation Involving the Fractional Laplacian with Nonlinear Source Term, Axioms 2023, 12, 343, 1-19.
https://www.mdpi.com/2075-1680/12/4/343

145. Nassima Nasri, Fatima Aissaoui,Keltoum Bouhali, Assia Frioui, Badreddine Meftah, Khaled Zennir and Taha Radwan, Fractional Weighted Midpoint-Type Inequalities for s-Convex Functions, Symmetry 2023, 15(2), 612.
https://www.mdpi.com/2073-8994/15/3/612

144. Abdelkader Moumen, Hamid Boulares, Badreddine Meftah, Ramsha Shafqat,Tariq Alraqad, Ekram E. Ali and Zennir Khaled, Multiplicatively Simpson Type Inequalities via Fractional Integral, Symmetry 2023, 15(2), 460. https://www.mdpi.com/2073-8994/15/2/460

143. Abderrahmane Beniani, Noureddine Bahri, Rabab Alharbi, Keltoum Bouhali and Khaled Zennir, Stability for Weakly Coupled Wave Equations with a General Internal Control of Diffusive Type, Axioms 2023, 12(1), 48. https://www.mdpi.com/2075-1680/12/1/48

142. Svetlin Georgiev, Aissa Boukarou, Bouhali Keltoum, Khaled Zennir, Classical Solutions for the Generalized Kadomtsev-Petviashvili I Equations, Arab Journal of Mathematical Sciences, 29(1), (2023), 1-23. https://www.emerald.com/insight/content/doi/10.1108/AJMS-08-2022-0195/full/html

141. Ibrahim Lakehal, Benterki Djamila and Khaled Zennir, Arbitrary decay for a nonlinear Euler-Bernoulli beam with neutral delay, Theoretical and Applied Mechanics, 49(3), (2023), 1-15. http://www.mi.sanu.ac.rs/tam/apress.php

140. Svetlin G. Georgiev, Khaled Zennir, Keltoum Bouhali, Rabab alharbi, Yousif Altayeb and Mohamed Biomy, Existence of Solutions for Impulsive Wave Equations, AIMS Mathematics, 8(4), (2023), 8731-8755. https://www.aimspress.com/article/doi/10.3934/math.2023438

139. Naimi Abdellouahab, Brahim Tellab, Khaled Zennir, Existence and Stability Results of the Solution for Nonlinear Fractional Differential Problem, Boletim da Sociedade Paranaense de Matematica, 41(1), (2023), 1–13. https://periodicos.uem.br/ojs/index.php/BSocParanMat/issue/view/2042

138. Keltoum Bouhali, Sulima Ahmed Zubair, Wiem Abedelmonem Salah Ben Khalifa, Najla ELzein AbuKaswi Osman and Khaled Zennir, A new strict decay rate for systems of longitudinal m-nonlinear viscoelastic wave equations, AIMS Mathematics, 2023, Volume 8, Issue 1: 962-976.. https://www.aimspress.com/article/doi/10.3934/math.2023046

137. Khaled Zennir, Abderrahmane Beniani, Bochra Belhadj and Loay Alkhalifa, Destruction of solutions for a class of wave $p(x)$-biLaplace equation with nonlinear dissipation, AIMS Mathematics. 2022,8(1): 285-294. https://www.aimspress.com/article/doi/10.3934/math.2023013

2022

136. Abderrahmane Beniani, Amine BENAISSA Cherif, Khaled Zennir and Fatima Zohra, Ladrani, Oscillation theorems for higher order nonlinear functional dynamic equations with unbounded neutral coefficients on time scales, Novi Sad Journal of Mathematics. https://doi.org/10.30755/NSJOM.11387, 2022. https://sites.dmi.uns.ac.rs/nsjom/paper.html?noid=ns11387

135. Svetlin g. Georgiev, Khaled Zennir, Wiem Abedelmonem Salah ben Khalifa, Amal Hassan Mohammed Yassin, Aymen Ghilen, Sulima Ahmed Mohammed Zubair and Najla Elzein Abukaswi Osman, Classical solutions for a BVP for a class impulsive fractional partial differential equations, Fractals, Vol. 30, No. 10 (2022) 2240264 (12 pages).
https://www.worldscientific.com/doi/10.1142/S0218348X22402642

134. Svetlin G. Georgiev, Keltoum Bouhali and Khaled Zennir, A New Topological Approach to Target the Existence of Solutions for Nonlinear Fractional Impulsive Wave Equations, Axioms 2022, 11, 721.
https://www.mdpi.com/2075-1680/11/12/721

133. Abdelhak Berkane, Svetlin Georgiev and Khaled Zennir, Novel positive solutions for a class of IBVP for nonlinear parabolic equations, Dynamics of Continuous, Discrete and Impulsive Systems: Series A. Mathematical Analysis 29 (2022) 403–417.
http://online.watsci.org/contents2022/v29n6a.html

132. Djaghout Manal, Abderrazek Chaoui and Khaled Zennir, On Discretization of the Evolution p-Bi-Laplace Equation, Numerical Analysis and Applications. 2022.
https://link.springer.com/article/10.1134/S1995423922040036

131. Amel Atmani, Aissa Boukarou, Benterki Djamila and Khaled Zennir, Spatial analyticity of solutions to higher- order water wave models, Mathematical Methods in the Applied Sciences. 2022.
https://onlinelibrary.wiley.com/doi/10.1002/mma.8747

130. Yazid Fares, Ouchenane Djamel and Khaled zennir, Global nonexistence of solutions to system of Klein-Gordon equations with degenerate damping and strong source terms in viscoelasticity, Studia Mathematica. 67(3):563–578, 2022.
https://www.cs.ubbcluj.ro/~studia-m/index.php/journal/article/view/754

129. Jiwei Jia, Siyu Liu, Yawen Liu, Ruitong Shan, Khaled Zennir and Ran Zhang, Modeling and Reviewing Analysis of the COVID-19 Epidemic in Algeria with Diagnostic Shadow, CSIAM Transaction on Applied Mathematics, 2022, In Press, 1–8.
https://www.global-sci.com/intro/article_detail/csiam-am/21156.html

128. Svetlin G Georgiev, Aissa Boukarou and Khaled Zennir, Classical solutions for 1-dimensional and 2-dimensional Boussinesq equations, Turkish Journal of Mathematics, 2022, 46(7):2977 – 2997.
https://journals.tubitak.gov.tr/math/vol46/iss7/27/

127. Svetlin G Georgiev, Aissa Boukarou and Khaled Zennir, Classical solutions for the coupled system gKdV equations, Russian Mathematics, 2022, 66(12), 1–15.
https://link.springer.com/article/10.3103/s1066369x22120052

126. Hongwei Zhang, Donghao Li, Shuo Liu, Khaled Zennir, Energy decay rate of solutions for a plate equation with nonlocal source and singular nonlocal damping terms, International Journal of Nonlinear Analysis and Applications, 2022, In Press, 1–8.
https://ijnaa.semnan.ac.ir/article_6722.html

125. Aouatef Elmansouri, Khaled Zennir, Aissa Boukarou and Okba Zehrour, Analytic Gevrey well-posedness and regularity for class of coupled periodic KdV systems of Majda-Biello type, Applied Sciences, Vol. 24, 2022, pp. 117-130.
http://www.mathem.pub.ro/apps/v24/A24.htm

124. Hiba Abouatia , Amar Guesmia and Khaled Zennir, Strict decay rate for system of three nonlinear wave equations depending on the relaxation functions, Journal of Applied Nonlinear Dynamics, 11(2) (2022) 309–321, DOI:10.5890/JAND.2022.06.004.
https://www.lhscientificpublishing.com/Journals/articles/DOI-10.5890-JAND.2022.06.004.aspx

123. Hassna Chebbah, Abdelaziz Mennouni and Khaled Zennir, Three Methods to Solve Two Classes of Integral Equations of the Second Kind, Boletim da Sociedade Paranaense de Matematica, 40(1), (2022), 1–9.
https://periodicos.uem.br/ojs/index.php/BSocParanMat/article/view/46315

122. Manal Djaghout, Abderrazak Chaoui and Khaled Zennir, Full discretization to an hyperbolic equation with nonlocal coefficient, Boletim da Sociedade Paranaense de Matematica, 40(1), (2022), 1–14.
https://periodicos.uem.br/ojs/index.php/BSocParanMat/article/view/46032

121. Djamel Ouchenane, Khaled zennir and Derradji Guidad, Well-posedness and a general decay for a nonlinear damped porous thermoelastic system with second sound and distributed delay terms, Journal of Applied Nonlinear Dynamics, 11(1), (2022), 153–170.
https://www.lhscientificpublishing.com/Journals/articles/DOI-10.5890-JAND.2022.03.009.aspx

120. Naimi Abdellouahab, Brahim Tellab and Khaled Zennir, Existence and Stability results for the solution of Neutral fractional integro-differential equation with nonlocal conditions, Tamkang Journal of Mathematics, 53, 2022.
DOI:10.5556/j.tkjm.53.2021.3550

119. Svetlin Georgiev, Khaled Zennir, Multiple Solutions of a Class IBVPs for One-Dimensional Nonlinear Wave Equations, International Journal of Nonlinear Analysis and Applications, 2022.
https://ijnaa.semnan.ac.ir/article_6894.html

118. Bouchra Azzaoui, Brahim Tellab, Khaled Zennir, Positive solutions for a fractional configuration of the Riemann-Liouville semilinear differential equation, Mathematical Methods and applied Sciences, 2022.
https://onlinelibrary.wiley.com/doi/10.1002/mma.8110?af=R

117. Fatima Zohra Ladrani, Abderrahmane Beniani, Khaled Zennir and Amine BENAISSA Cherif, Density Problem some of the Functional Spaces for Studying Dynamic Equations on Time Scales, Journal of Siberian Federal University-Mathematics and Physics, 2022, 15(1), 46–55.
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116. Abdellouahab naimi, Brahim Tellab and khaled zennir, Existence and Stability results of a nonlinear fractional integro-differential equation with integral boundary conditions, Kragujevac Journal of Mathematics, Vol. 46, No. 5, 2022, pp. 685-699.
https://imi.pmf.kg.ac.rs/kjm/pdf/accepted-finished/c3371cf79f11b2d8b4fa56091875f072_2536_04212020_091908/kjm_46_5-2.pdf

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115. Fatma Ekinci, Erhan Pişkin and Khaled Zennir, Existence, blow up and growth of solutions for a coupled quasilinear viscoelastic Petrovsky equations with degenerate damping terms, Journal of Information and Optimization Sciences, , DOI: 10.1080/02522667.2021.1972619, 2021.
https://www.tandfonline.com/doi/citedby/10.1080/02522667.2021.1972619?scroll=top&needAccess=true

114. Svetlin Georgiev, Karima Mebarki and Khaled Zennir, Classical solutions for a class of nonlinear wave equations, Theoretical and Applied Mechanics,48(2) (2021), 257-272.
http://www.mi.sanu.ac.rs/tam/apress.php

113. Abderrahmane Beniani, Noureddine Bahri and Khaled Zennir, Existence and general decay estimates for a Petrovsky-Petrovsky coupled system with nonlinear strong damping, Journal of Applied Nonlinear Dynamics, 10(4) (2021) 645–657.
https://www.lhscientificpublishing.com/Journals/articles/DOI-10.5890-JAND.2021.12.005.aspx

112. Nabil Houma, Khaled Zennir, Abderrahmane Beniani and Abdelhak Djebabela, New stability estimates of solutions to strong damped wave equation with logarithmic external forces, Discontinuity, Nonlinearity, and Complexity, 10(4) (2021) 625–634.
https://www.lhscientificpublishing.com/journals/articles/DOI-10.5890-DNC.2021.12.004.aspx

111. Derradji Guidad, Khaled Zennir, Berkane Abdelhak and Berbiche Mohamed, The effect of damping terms on decay rate for system of three nonlinear wave equations with weak-memories, Discontinuity, Nonlinearity, and Complexity, 10(4) (2021) 635–647.
https://www.lhscientificpublishing.com/journals/articles/DOI-10.5890-DNC.2021.12.005.aspx

110. Fatma Ekinci, Erhan Piskin and Khaled Zennir, Existence, blow up and growth of solutions for a coupled quasi-linear viscoelastic Petrovsky equations with degenerate damping terms, Journal of Information & Optimization Sciences, 2021.
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109. Abdelkader Braik, Abderrahmane Beniani and Khaled Zennir, Well-posedness and stability for a Moore-Gibson-Thompson equation with internal distributed delay, Discontinuity, Nonlinearity, and Complexity, 10(4) (2021) 693–703.
https://www.lhscientificpublishing.com/Journals/articles/DOI-10.5890-DNC.2021.12.009.aspx

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https://onlinelibrary.wiley.com/doi/10.1002/mma.6963

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https://link.springer.com/article/10.1007/s12215-021-00672-0

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https://link.springer.com/article/10.1007/s11587-021-00649-2

105. Hanni Dridi, Khaled Zennir, New Class of Kirchhoff Type Equations with Kelvin-Voigt Damping and General Nonlinearity: Local Existence and Blow-up in Solutions, Journal of Partial Differential Equations, 34 (2021), pp. 313-347.
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https://www.jardcs.org/backissues/abstract.php?archiveid=298

9. Khaled Zennir and Salah Zitouni, On the absence of solutions to damped system of nonlinear wave equations of Kirchhoff-type, Vladikavkaz Mathematical Journal, Vo 17, N 4 (2015), pp. 44-58.
DOI:10.23671/VNC.2015.4.5970

8. Khaled zennir, General Energy decay for nonlinear wave equation of $\phi-$Laplacian type with a delay term in the internal feedback, Malaya J. Mat. 3(2)(2015) 136–145.
https://www.malayajournal.org/selected_article.php?id=148

2014

7. Khaled zennir, Growth of solutions with positive initial energy to system of degenerately damped wave equations with memory, Lobachevskii journal of mathematics, Vol. 35, No. 2, (2014) , pp. 147–156.
https://doi.org/10.1134/S1995080214020139

6. Khaled zennir, Growth of solutions with $L^{2(\rho+2)}-$norm to system of damped wave equations with strong sources, Electronic Journal of Mathematical Analysis and Applications. Vol. 2(2) (2014), pp. 46-55.
http://math-frac.org/Journals/EJMAA/Vol2(2)_July_2014/

2013

5. Khaled zennir, Growth of solutions to systems of nonlinear wave equations with degenerate damping and strong sources, Journal of Nonlinear Analysis and Applications 2013 (2013) 1-11.
www.ispacs.com

4. khaled zennir, Global nonexistence of solutions to system of nonlinear viscoelastic wave equations with degenerate damping and source terms, Ukrainian Mathematical Journal, Vol. 65, No. 7, (2013) 723-739.
https://doi.org/10.1007/s11253-013-0809-3

3. khaled zennir, Exponential Growth of Solutions with Lp-norm of a Nonlinear Viscoelastic Hyperbolic Equation, Journal of Nonlinear Sciences and Applications 6 (2013), 252-262.
http://dx.doi.org/10.22436/jnsa.006.04.03

2012

2. Abbes Benaissa, Ouchenane Djamel and Khaled Zennir, Blow up of positive initial-energy solutions to systems of nonlinear wave equations with degenerate damping and source terms, Nonlinear studies. (J. I) Vol.19, No.4, (2012) pp 523-535.
http://www.nonlinearstudies.com/index.php/nonlinear/article/view/702

1. Khaled zennir, Decay of Solutions of a Nonlinear Viscoelastic Hyperbolic Equation, An - Najah University Journal Research. (N. Sc.) Vol. 26, (2012), 19-42.
https://journals.najah.edu/article/95/

Accepted Papers

2. Guidad Derradji, Djamel Ouchenane, Khaled Zennir, Abdelbaki Choucha, Blow up of coupled nonlinear viscoelastic wave equation with distributed delay and strong damping, Dynamics of Continuous, Discrete and Impulsive Systems: Series A. 2020.

1. Abdelbaki Choucha, Djamel Ouchenane and Khaled Zennir, General decay for a thermoelastic damped Bresse system with second sound and distributed delay term, Dynamics of Continuous, Discrete and Impulsive Systems: Series A. 2020.

Revised Papers

1. Hanni Dridi and Khaled Zennir, Generalized thermo-visco-elasticity flexible structures: Global existence and new scenario for energy decay, Siberian E. M. R

Submitted Papers

7. Abdellouahab Naimi, Brahim Tellab and Khaled Zennir, Existence and generalized Ulam-Hyers-Rassias stability results of solution for nonlinear fractional differential problem with boundary conditions, Transactions of the London Mathematical Society- 11/2020
6. Manal Djaghout, Abderrazak Chaoui and Khaled zennir, Rothe-H^1-Galerkin mixed finite element approximation for nonlocal evolution equation, Annali dell' Università di Ferrara- 12/2020
5. Abdelbaki Choucha, Djamel Ouchenane and Khaled Zennir, Exponential stability of a Timoshenko system in thermoelasticity of second sound with a memory and distributed delay term, J. I. E. A. 05/2020
4. Abderrazak Chaoui and Khaled Zennir, Galerkin- Mixed finite element method and a priori error estimates to class of $p(x)$-bi-Laplace equations, J. M. A.A. 06/2020
3. Abdellouahab Naimi, Brahim Tellab and Khaled Zennir, Existence and generalized Ulam-Hyers-Rassias stability results of solution for nonlinear fractional differential problem with boundary conditions on unbounded interval, MMAS. 11/2020
2. Naima Louhibi, Farida Cheheb and Khaled Zennir, Stability of wave equation under a fractional dynamic control of diffusive type, ZAMM. 10/2020
1. Hanni Dridi and Khaled Zennir, Blow up of solutions of a Kirchhoff-type equation with variable-exponent nonlinearities, Mathematical Notes (E Mail). 04/2020

Projects

3. Title: New mathematical models gor GPS Satellite. Goal: Geosynchronous orbits are occupied a few navigation satellites also (For example: Indian Regional Navigation Satellite System). Geo satellites can cover one third of the earth surface, so three satellites are sufficient to cover the entire earth. For navigation applications such as GPS, MEO is the wise option. Even though the LEO is closest to the earth, satellites in this orbit revolve at a very high speed. Due to this, receivers on earth fail to carry out the navigation calculations accurately. Moreover, LEO needs a lot more satellites to cover the entire earth thus, GPS satellites use . This project is concerned with a diveloppment of new mathematical model and try to find a different mathematical properties for theses madels.
2. Title: Time-PDEs in analytic function spaces. Goal: This project is concerned with well-posedness in analytic Gevrey - Bourgain type spaces
1. Title: Time-PDEs with memory of type II. Goal: It is about open questions within the context of longtime behavior of solutions.

Thesis

May 2015. Title: " *Qualitative study of some evolution problems of hyperbolic type*", Habilitation thesis, Frere Mentouri University, Constantine, Algeria. I made a public defense in front of a scientific jury proposed by the scientific committee of the mathematics department of the University of Constantine by presenting a summary of my work since my doctorate in 2013 as well as the explanation of the research subjects proposed for doctoral students as co-supervisor and scientific seminars by intervening both nationally and international.

December 2013. Title: " *Study of existence, nonexistence and asymptotic behavior of solutions of some nonlinear hyperbolic problems*", Ph.D thesis, Djillali Liabes University, Sidi Bel Abbes, Algeria. In this thesis we considered some hyperbolic problems (equations and system of equations) with the presence of different mechanisms of dissipation, damping and for more general forms of nonlinearities addressed from a different angle, and under assumptions on initial data and boundary conditions, conditions on damping and source terms, we focused our study on the existence/nonexistence and asymptotic behavior of solutions where we obtained several results on the decay rate, growth and blow-up in time of solutions.

Febrioury 2009. Title: " *Existence and asymptotic behavior of solutions of nonlinear viscoelastic hyperbolic equation*", Magister thesis, Badji Mokhtar University, annaba, Algeria. Our work, in this thesis, lies in the study, under some conditions on many parameters and the relaxation functional g, the existence and asymptotic behavior of solutions of a nonlinear viscoelastic hyperbolic problem. Our results contained and generalized some existing results in literature. To prove our results many theorems were introduced.

Authored Books

2024

Submitted to Qassim University. Khaled zennir and Mohamed Biomy, Introduction to Partial Differential Equations, (In Arabic) Qassim University, Saudi Arabia, 2024

Submitted to De Gruyter. Svetlin Georgeiv and Khaled zennir, Projector Analysis of Dynamic Equations on Time Scales. 2023.

Submitted to World Scientific. Aissa Boukarou, Khaled zennir and Svetlin Georgeiv, Time-PDEs in analytic Gevrey spaces. 2022.

Submitted to World Scientific. Khaled Zennir, Svetlin G. Georgiev, $p(x)$-bi-Laplacian: Application on Time-PDEs in viscoelasticity. 2024.

May 2024. Svetlin Georgeiv and Khaled zennir, General Quantum Numerical Analysis. 2024. ISBN 9781003472131 https://www.taylorfrancis.com/books/mono/10.1201/9781003472131/general-quantum-numerical-analysis-svetlin-georgiev-khaled-zennir

2023

November 2023 Mohamed Biomy, Khaled zennir and SAlah Boulares, Introduction to Numerical Analysis, (In Arabic) Qassim University, Saudi Arabia, 2023

October 2023 Svetlin Georgeiv and Khaled zennir, Advances on Fractional Dynamic Inequalities on Time Scales, World Scientific, 2023, https://www.worldscientific.com/worldscibooks/10.1142/13386#t=aboutBook

October 2023 Svetlin G. Georgiev and Zennir Khaled, Multiplicative Partial Differential Equations, CRC Press, LLC, Taylor and Francis publisher, 2023, https://www.taylorfrancis.com/books/mono/10.1201/9781003440116/multiplicative-partial-differential-equations-svetlin-georgiev-khaled-zenn

May 2023 Karima Mebarki, Svetlin G. Georgiev, Smail Djebali and Zennir Khaled, Fixed Point Theorems with Applications, CRC Press, LLC, Taylor and Francis publisher, 2023 https://www.taylorfrancis.com/books/mono/10.1201/9781003381969/fixed-point-theorems-applications-karima-mebarki-svetlin-georgiev-smail-dj context=ubx&refId=6b1b6c93-dba7-4ead-8f46-c500f9d5227f

June 2023 Svetlin G. Georgiev and Zennir Khaled, Multiplicative Differential Equations- Volume II, CRC Press, LLC, Taylor and Francis publisher, 2023, https://www.taylorfrancis.com/books/mono/10.1201/9781003394549/multiplicative-differential-equations-svetlin-georgiev-khaled-zennir

January 2023 Svetlin G. Georgiev and Zennir Khaled, Multiplicative Differential Equations- Volume I, CRC Press, LLC, Taylor and Francis publisher, 2023, https://www.taylorfrancis.com/books/mono/10.1201/9781003393344/multiplicative-differential-equations-svetlin-georgiev-khaled-zennir?context=ubx&refId=ff37a31d-1a83-40fc-a727-02801fd5c65a

2022

June 2022 Abderrahmane BENIANI, Amin Benaissa Cherif and Zennir Khaled, Théorie Spectrale (French Edition). 2022. https://my.editions-ue.com/catalog/details//store/fr/book/978-3-639-60665-2/thC3A9orie-spectrale

June 2022 Svetlin G. Georgiev, Khaled zennir and Aissa Boukarou, Multiplicative Analytic Geometry, CRC Press, LLC, Taylor and Francis publisher, 2022. ISBN 9781003325284. https://www.taylorfrancis.com/books/mono/10.1201/9781003325284/multiplicative-analytic-geometry-svetlin-georgiev-khaled-zennir-aissa-bouk

June 2022 Svetlin G. Georgiev and Khaled Zennir, Multiplicative Differential Calculus, 2022. ISBN 9781003299080. https://www.taylorfrancis.com/books/mono/10.1201/9781003299080/multiplicative-differential-calculus-svetlin-georgiev-khaled-zennir

2021

September 2021 Zennir Khaled and Svetlin Georgiev, Boundary Value Problems on Time Scales Volume II, CRC Press, LLC, Taylor and Francis publisher, 2021. ISBN 9781032008059.
https://www.routledge.com/Boundary-Value-Problems-on-Time-Scales-Volume-II
Georgiev-Zennir/p/book/9781032008059

September 2021 Zennir Khaled and Svetlin Georgiev, Boundary Value Problems on Time Scales Volume I, CRC Press, LLC, Taylor and Francis publisher, 2021. ISBN 9781032002910.
https://www.routledge.com/Boundary-Value-Problems-on-Time-Scales-Volume-I/
Georgiev-Zennir/p/book/9781032002910

2020

February 2020 Zennir Khaled and Svetlin Georgiev, Multiple Fixed Point Theorems and Applications in the Theory of ODEs, FDEs and PDEs, CRC Press, LLC, Taylor and Francis publisher. 2020, ISBN: 9780367464325.
https://www.routledge.com/Multiple-Fixed-Point-Theorems-and-Applications-i
Georgiev-Zennir/p/book/9780367464325

2019

March 2019 Zennir Khaled, Svetlin Georgiev, Functional Analysis with Applications, De Gruyter Publishers. 2019, ISBN: 3110657724, 9783110657722.
https://www.degruyter.com/document/doi/10.1515/9783110657722/
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2018

September 2018 Zennir Khaled and Ali Rezaiguia, Bases de la Topologie, ditions universitaires européennes, 2018, ISBN: 978-3-8417-3437-2

September 2018 Zennir Khaled and Ali Rezaiguia, Cours d'Analyse Complexe, Noor publishing, 2018, ISBN: 978-620-2-35443-1.

January 2018 Zennir Khaled and Saleh Zitouni, Équations Aux Dérivées Partielles de nature physique, Editions universitaires européennes, 2018, ISBN: 978-620-2-27796-9.

2016

October 2016 Zennir Khaled, Équations de la Physique Mathématiques, Cours et Exercices, Noor publishing, 2016, ISBN: 978-3-330-79850-2.

November 2016 Zennir Khaled and Salah boulaaras, Méthodes d'Analyse Numérique, sciences de l'ingénieur, Partie I, Cours, Editions universitaires européennes, 2016, ISBN: 978-3-8416-1658-6.

December 2016 Zennir Khaled and Salah boulaaras, Méthodes d'Analyse Numérique, Sciences de l'ingénieur, Partie II, TDs, Editions universitaires européennes, 2016, ISBN: 978-3-639-54064-2.

Guest Editor in Special Issue:

2. A special issue of Axioms (ISSN 2075-1680). Differential and Dynamic Equations on Time Scales and their Applications.
https://www.mdpi.com/journal/axioms/special_issues/Stochastic_Differential_Equation

1. A special issue of Axioms (ISSN 2075-1680). Recent Advances in Stochastic Differential Equations.
https://www.mdpi.com/journal/axioms/special_issues/1GW04M4CK0

Editorial Board:

5. Innovative Journal of Mathematics.
https://www.sigmawings.com/journals/index.php/IJM/about/editorialTeam
4. Mediterranean Journal of Physics.
http://www.medjchem.com/index.php/medjphysics/pages/view/editorial-board
3. Journal of Natural, Life and Applied Sciences.
https://journals.ajsrp.com/index.php/jnslas/about/editorialTeam
2. Global Journal of Mathematics and Mathematical Sciences.
https://www.ripublication.com/editorial_board_of_gjmms.htm
1. Journal of Applied Mathematics and Statistical Applications.
https://www.alliedacademies.org/journal-applied-mathematics-statistical-ap
editors.php

Reviewer

8. Mathematical Reviews- AMS
7. Mathematical Methods in the Applied Sciences
6. Waves, Wavelets and Fractals, Advanced Analysis
5. WSEAS Transactions on Mathematics
4. The Arab Journal of Sciences and Research Publishing
3. Taiwanese Journal of Mathematics
2. International Journal of Maps in Mathematics
1. The international journal for computation and mathematics in electrical and electronic engineering
9. Filomat
10. Southeast Asian Bulletin of Mathematics

Reviewer and jury member of the following thesis

LMD thesis 2023, Slimani Ali — University 20 Aout 1955, Skikda, Algeria. Title: "Theoretical and numerical study of stochastic Keller-Segel problem".

PhD thesis 2021, Labadla Amel — University 08 Mai 1945, Guelma, Algeria. Title: "Descritization of some evolution problems".

PhD thesis 2017, BENIANI Abderrahmane — University Djillali Liabes, Sidi Bel Abbes, Algeria. Title: "Existence globale et stabilisation de certains problemes d'évolution linéaires et non linéaires dans des domaines non bornés".

PhD thesis 2017, LAID DJILLALI — University Djillali Liabes, Sidi Bel Abbes, Algeria. Title: "Stabilisation du systeme de Timochenko viscoélastique en présence d'un terme de retard non-linéaire.

PhD Students Completed

PhD thesis, Defended, July 2023 — Nabil Houma, University Badji Mokhtar, Annaba, Algeria. Title: " Etude qualitative sur quelques systemes couples de multi-physiques pour des equations aux derivees partielles de type hyperbolic".

PhD thesis, Defended, Jun 2023 — Abou ATIA Hiba, University 08 Mai 1945, Guelma, Algeria. Title: " Existence and stability for a system of nonlinear damped wave equations".

LMD thesis, Defended, Jun 2022 — Abdellouahab Naimi, University Kasdi Merbah- ouargla , Algeria. Title: " Sur l'existence et la stabilité de certains problèmes : EDPs / EDFs".

PhD thesis, Defended, May 2022 — GUIDAD Derradji, University Mohamed Khider Biskra, Algeria. Title: " Etude qualitative de quelques systèmes amortis pour les équations d'ondes".

PhD thesis, Defended, October 2020 — Kassah Laouar Lakhdar, University Constantine 1, Algeria. Title: " Existence and Asymptotic profiles for a problem of wave equation with stong damping".

LMD thesis, Defended, Jun 2019 — Mouhssin Bayoud, University Badji Mokhtar, Annaba, Algeria. Title: " Qualitative studies of some dissipative systems for partial differential equations of evolution-type."

PhD thesis, Defended, Jun 2018 — Abdelkader Braik, University Oran 1, Algeria. Title: " On certain control problem for the delayed heat equations and stability".

LMD thesis, Defended, Jun 2017 — KAREK Mohamed, University Badji Mokhtar, Annaba, Algeria. Title: " Asymptotic profiles for some problems of wave equations in the Fourier spaces".

PhD thesis, Defended, Sept 2017 — Bouzettouta Lamine, University Badji Mokhtar, Annaba, Algeria. Title: " Existence and Asymptotic behavior for damped Bresse system".

PhD thesis, Defended, Jun 2016 — Zitouni Salah, University Badji Mokhtar, Annaba, Algeria. Title: " Study of existence/nonexistence and behavior of solutions for some evolution problems".

PhD Students Continued

First advisor of the PhD thesis — Mansouri Aouatef, University El Arbi Ben Mhidi, Oum El Bouaghi, Algeria. Title: " Control and stability of certain evolution problems (PDEs)". since 2019

Second advisor of the PhD thesis — Faycal Alili, University Kasdi Merbah, Ourgla, Algeria. Title: " On some discrete fractional problems". since 2022

Second advisor of the PhD thesis — Ibrahim Lekehal, University Mohamed El Bachir El Ibrahimi, Boedj Bouariridj, Algeria. Title: " Etude qualitative de quelques EDPs en temps avec amortissement". since 2021

Master Students Supervised:

2013/2014 — BOURRICHE HOUDA and BOULECHFAR SELMA, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "On the existence and decay of solutions for some dissipative wave equations"

2014/2015 — BOUSSOKTA SOMIA and KRIKA AHLAM, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "On the degenerate wave equations-$p-$Laplacian operator"

2014/2015 — BEDJAOUI SARA and MESKINE ILHEM, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : " Existence and decay of solution for coupled system of viscoelastic wave equations"

Professional experience

I have been working as an assistant Professor since 2013.

Teaching Philosophy and Goals

I believe that the best way of learning mathematics is doing mathematics as well as linking the lecture material to various concepts taken in earlier courses and to real world applications. I regularly urge my students to be actively involved in the learning process in which I view my role as a facilitator. I try my best to design the framework in which learning can take place, and then stimulate and nurture the students' development, giving help in terms of knowledge, techniques, and encouragement.

My goals in teaching are not just to promote learning of the subject matter. I also try to help the students learn to think logically, learn problem-solving methods and techniques, and improve writing and personal skills.

The Teaching and learning process can be extended beyond the classroom to include individual teacher-student interaction and readiness to assist students. In this regard, I always encourage my students to discuss their academic problems during my office hours. I make myself available at other hours as well. In order to increase communication with the students, I have used WebCT for all my courses to ease online communication with students. This allowed me to assist the students in various ways even after regular classes and office hours.

Supervision- Licence thesis (B. Sc.) in mathematics of:

June 2011 BELKHEIR Imane, Department of Mathematics, University of sciences and technology Mohammed BOUDIAF of Oran, USTO, Algeria. Title: " Fixed point theorems and its applications ".

June 2012 BAYOUD Mouhssin, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title: " The study of some evolution equations, wave equation".

June 2012 MEKSSI Soumia, Department of Mathematics, University of sciences and technology Mohammed BOUDIAF of Oran, USTO, Algeria. Title: " The study of some evolution equations, heat equation"

June 2013 KAOUANE AbdelAli, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "Sobolev spaces and distribution"

June 2013 BOULBIBANE Besma, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "Hilbert spaces"

June 2014 Bouhali Amina, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "Existence of solution for semilinear wave equation"

June 2014 Khanchoul Amina, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "Compacity methode"

June 2014 Taleb Amina, Department of Mathematics, University 20 Août 1955, SKIKDA, Algeria. Title : "On the heat equation"

Teaching Experience:

1. Qassim University, KSA.

Since September 2015 Department of mathematics, Faculty of sciences and Arts, Ar Rass, - Vector calculus MATH.204. - Differential and Integral Calculus MATH.203. - Complex analysis MATH.484. - Differential equations for mathematic's students MATH.313 - Differential equations for physic's students MATH.210 - Differential equations for computer's students MATH.207 - Partial differential equations MATH.422 - Linear Algebra MATH.331 - Matlab MATH 251.

2. University 20 Août 1955, Skikda, Algeria

September 2012-August 2015 - Numerical Analysis for L2 Sciences -Optimisation for M2 Sciences -Maths 01 and 02 for L1 sciences - Mathematical physics equations for L3 mathematics -Introduction in distributions for L3 mathematics

3. University of sciences and technology Mohammed Boudiaf of Oran, Algeria

March 2009-September 2012 - Numerical Analysis for L2 Mathematics- L2 Chimical- Probability and statistics for L2 Chimical sciences

4. Preparatory School of Science and Technology of Oran, Algeria

Septembre 2010-Jun 2011 Preparatory School of Science and Technology of Oran, Algeria- Numerical Analysis for L2 - Algerbra 01,02 and Analysis 01,02 for L1

Administration

2017/2021 Administrative council member, department of mathematics, faculty of sciences and arts, Qassim University, Saudi Arabia.

2012/2015 Administrative council member, department of mathematics, faculty of sciences, university 20 Août 1955 of Skikda, Algeria

2013-2015 Deputy head of department of mathematics, faculty of sciences, university 20 Août 1955 of Skikda, Algeria

2014-2015 Member of Equal Committee Members of masterful teachers of the 20 Août 1955 University, Algeria.

Collaborators

Dr. Aissa Boukarou University of Science and Technology Houari Boumediene, Algeria

Dr. Djamel Ouchenane Mathematics departement, Laghouat University Amar Telidji, Algeria

Pr. Brahim Tellab Mathematics departement, Kasdi Merbah University, Algeria

Pr. Ali Allahem Department of Mathematics, College of Science, Qassim University, Saudi Arabia

Pr. Baowei Feng Department of Mathematics, Southwestern University of Finance and Economics, China

Dr. Sultan S Alodhaibi Department of Mathematics, Qassim University, Saudi Arabia

Dr. Bahri Cherif Department of Mathematics, Sefax University, Tunisia

Pr. Salem Alkhalaf Department of Mathematics, Qassim University, Saudi Arabia

Dr. karek mohamed Department of Mathematics, Université Kasdi Merbah Ouargla, Algeria

Dr. Fatma Yesim Ekinci Gıda Muhendisligi, Turky

Pr. Djebabla Abdelhak University Badji Mokhtar Annaba, Algeria

Pr. Mama Abdelli	University Mustapha Stambouli, Mascara, Algeria
Pr. Guefaifia Rafik	University Larbi Tebessi - Tebessa, Algeria
Pr. Salah Boulaaras	Department of Mathematics, Qassim University, Saudi Arabia
Pr. Abdelaziz Mennouni	Department of Mathematics, University of Batna 2, Algeria
Dr. Abderrahmane Beniani	Department of Mathematics, University of Ain Temouchent, Algeria
Pr. Mohammad Shahrouzi	Department of Mathematics, Jahrom University, Iran
Pr. Jorge Ferreira	Department of Mathematics, Universidade Federal Fluminense, Brazil
Pr.Erhan Pişkin	Department of Mathematics, Dicle University, Turky
Pr.Smail Djebali	Department of Mathematics, Imam Muhammad bin Saud Islamic University, Saudi Arabia
Pr.Benterki Djamila	Department of Mathematics, Mohamed El Bachir El Ibrahimi University, Algeria
Pr.Hongwei Zhang	Henan University of Technology, Henan, China
Pr.Siyu Liu	Jilin University, China
Pr.Toufic El Arwadi	Beirut Arab University, Lebanon
Pr.Tosiya Miyasita	Yamato University, Japan
Pr.Perikles Papadopoulos	University of West Attica, Greece
Pr. Daniel Oliveira da Silva	Department of Mathematics, Nazarbayev University, Nur-Sultan, Kazakhstan

References professors

Pr. Svetlin G. Georgiev	Sorbonne University, France.

Pr. SISSAOUI Hocine	Laboratory of numerical analysis, optimization and statistics, University Badji Mokhtar, Annaba, Algeria. (My first supervisor of magister's thesis)
Pr. BENAISSA ABBES	Laboratory of analysis and control of partial differential equations, University Djillali liabes, Sidi Bel Abbes, Algeria. (My supervisor of PhD thesis)
Pr. SAID-HOUARI Belkacem	University of Sharjah, UAE. (My second supervisor of magister's thesis)
Pr. GUESMIA Amar	University 20 Août 1955, Skikda, Algeria. (My supervisor of graduate studies)

Short Stays and Visit

2011/2012	Invited for one month to laboratory of Analysis, Topology and Probability, UMR 6632, centre of Mathematics and informatics at university of Aix-Marseille, French. By: Pr. Jerome LOS.
2013/2014	Invited for one month to laboratory of mathematics, informatiques and applications, University Haute-Alsace, Mulhouse, French. By: Pr. Bernard Brigui.

Training session

28-29/3/2023 (6 hours)	Designing and building smart phone Educational applications.
28-29/9/2021 (6 hours)	Ceating and using educational 3D motion graphics using 3D studio max.
27/9/2021 (4 hours)	Managing electronis courses via Blakboard LMS.
11/12/2019 (3 hours)	International classification of refereed scientific journals.
16-17/10/2017 (10 hours)	Learning outcomes.
21-22/10/2015 (8 hours)	Blakboard learning management system.
23-27/8/2015 (8 hours)	New faculty mentoring program.

Personal Skills

1. Comprehensive problem solving abilities, Excellent verbal and written communication skills.

2. Good people skills, willingness to learn, team facilitator and a hard worker.

3. Programming language: Turbo Pascal, Matlab, FreeFem, Scilab, Lapack.

4. Office automation: MS Office XP, Word, PowerPoint, Excel, SWP and La TeX.

5. Founder and member of the Association of the Young Algerian Researchers in Technologies, information and Communication (AJCATIC).

Languages knowledge

Arabic	Native,
Frensh	Fluent,
English	Very Good

Place: Qassim- Kingdom of Saudi Arabia

I hereby declare that all the information mentioned above is true to the best of my knowledge.