CV

1. Personal information:

- **Full name** : Mohammad Mustafa Mohammed Kafini
- **Date & place of birth** : 29 / 9 / 1965, Irtah, Tulkarm
- **Nationality :** Jordanian
- **Religion** : Muslim
- **Tel.** : 00966 3 8606592
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- **Mail Address:** Dhahran 31261,P.O.Box 589-KFUPM,S.A.

- **E-mail:** mkafini@kfupm.edu.sa, kafini1@hotmail.com, mkafini@yahoo.com

- **Website: http://faculty.kfupm.edu.sa/MATH/mkafini/**

- **Citations URLs:** **Google scholar* **ResearchGate* **Scopus*

2. Qualifications:

I. **Ph.D.** of Science,
   Mathematics Department, Ecole Normale Superieure (*ENS*),
   Kouba, Algiers, 2010/11 with Most Honor.
   Applied Mathemathematics, Partial Differential Equations.
   Stabilization of Cauchy viscoelastic wave equations.
   Under the supervision of Professor Salim Messaoudi, KFUPM.

II. **Master** of Science,
    Department of Mathematics and Statistics,
    King Fahd University of Petroleum and Minerals (KFUPM),
    Dhahran, Saudi Arabia, 2003.
    Applied Mathematics,
    Fractional Calculus and Applications under the supervision of Professors
    Garry Miller and Salim Messaoudi, KFUPM.

III. **Bachelor** of Science,
     Mathematics Department, Yarmouk University, Irbid, Jordan, 1986.

3. Employment:

a) Senior teacher and educational Math. supervisor, Jordan and KSA- Arab Cultural Institute & New York Institute of technology (NYIT), 1988-1998.
b) Research Assistant, KFUPM, 1998-2004.
c) Lecturer, Department of Math. & Stat., DCC-KFUPM, 2004-2010.
d) Lecturer/Assistant Prof., Department of Math. & Stat., KFUPM, 2010-Now.

4. Publications:

1. Kafini M. and Messaoudi S., A blow-up result for a viscoelastic system in R^N, **_Elect. J. Diff. Eqs.,_** 113 (2006), 1-7.

2. Kafini M. and Messaoudi S., A blow-up result in a Cauchy viscoelastic problem**_, Applied Mathematics Letters,_** 21 (2008) 549–553.

3. Kafini M. and Messaoudi S., A Decay result for a viscoelastic wave equation in R^N. Proceedings of the Third International Conference for Mathematical Sciences**_, ICM2008_**, Al-Ein, UAE.

4. M. Kafini and S. A. Messaoudi, On the uniform decay in viscoelastic problems in R^N, **_Applied Mathematics and Computation_**, 215 (2009), 1161-1169.

5. M. Kafini and S. A. Messaoudi, Decay Rates of Solutions to A Nonlinear Viscoelastic Evolution Equation of Fourth Order, **_J. of the Association of Arab Univ. for Basic and Applied Science,_** Vol. 7, (2009), 95-109.

6. Mohammad Kafini and Nasser-eddine Tatar, Polynomial decay for a viscoelastic Cauchy problem of fourth order with singular kernel. **_Proceedings of the First International Conference on Mathematics and Statistics_**, Sharjah, U.A.E. AUS-ICMS'10. March 18-21, 2010.

7. Mohammad Kafini, Exponential decay of solutions to a fourth-order viscoelastic evolution equation in R^N, **_Elect. J. Diff. Eqs.,_** 71(2010), 1, 1-10.

8. Mohammad Kafini and Nasser-eddine Tatar, A decay result to a viscoelastic problem in R^N with an oscillating kernel, **_Journal of Mathematical Physics_**, 51, 1 (2010).

9. M. Kafini, General energy decay in a Timoshenko-type system of thermoelasticity of type III with a viscoelastic damping, **_Journal of Mathematical Analysis and Applications_**, 375 (2011) 523–537.

10. Mohammad Kafini, On the uniform decay in Cauchy viscoelastic problems, **_Afrika Matematika_** , DOI 10.1007/s13370-011-0020-3.

11. Mohammad Kafini; Uniform decay of solutions to Cauchy viscoelastic problems with density, **_Electron. J. Diff. Eqs.,_** Vol. 2011 (2011), No. 93, pp. 1-9.

12. M. Kafini, S. A. Messaoudi and N-e. Tatar, Decay rates of solutions to a nonlinear viscoelastic evolution equation of fourth order in R^N. **_Indagationes Mathematicae-New Series_**. 22 (2011) 103–115.

13. Mohammad Kafini; Decay results for viscoelastic diffusion equations in absence of instantaneous elasticity, **_Electron. J. Diff. Equ.,_** Vol. 2012 (2012), No. 73, pp. 1-14.

14. M. Kafini, S. A. Messaoudi, A blow-up result in a system of nonlinear viscoelastic wave equations with arbitrary positive initial energy, ***Indagationes Mathematicae*** INDAG_INDAG-D-13-00020, (2013).

15. Mohammad Kafini; Rate of decay for solutions of viscoelastic evolution equations, ***Electron. J. Diff. Equ.,*** Vol. 2013 (2013), No. 134, pp. 1-17.

16. Mohammad Kafini, Salim A. Messaoudi & Muhammad I. Mustafa, Energy decay rates for a Timoshenkotype system of thermoelasticity of type III with constant delay, http://dx.doi.org/10.1080/00036811.2013.8234802013, ***Applicable Analysis*** (2013).

17. Muhammad I. Mustafa and Mohammad Kafini, Exponential Decay in Thermoelastic Systems with Internal Distributed Delay, ***Palestine Journal of Mathematics,*** Vol. 2(2) (2013) , 287–299.

18. Mohammad Kafini, S**.**A. Messaoudi & M**.** I. Mustafa**,** General energy decay in a Timoshenko-type system of thermoelasticity of type III with Distributed internal delay, ***Journal of Mathematical Physics***, **54**, 101503 (2013).

19. Mohammad Kafini and Salim A. Messaoudi, A Blow-up Result in a Nonlinear Viscoelastic Problem with Arbitrary Positive initial Energy, ***Dynamics of Continuous, Discrete, and Impulsive Systems. Series A, (DCDIS-A), Mathematical Analysis*** **20** (2013) 657-665

20. Mohammad Kafini & M**.** I. Mustafa, Blow-up result in a Cauchy viscoelastic problem with strong damping and dispersive, ***Nonlinear Analysis: Real World Applications*** **20** (2014) 14–20**.**

21. A. Guesmia and Mohammad Kafini, Bresse system with infinite memories, ***Mathematical Methods in the Applied Sciences***, DOI: 10.1002/mma.3228 (Feb. 2014).

22. Mohammad Kafini, S. Messaoudi, M. I. Mustafa & Tijani A., Well-posedness and stability results in a Timoshenko-type system of thermoelasticity of type III with delay, ***Zeitschrift fuer Angewandte Mathematik und Physik (ZAMP)*** DOI 10.1007/s00033-014-0475-9(2014)

23. Kafini M. and Mustafa M. I. , Global existence and energy decay of a nondisipative Cauchy viscoelastic problem, ***Quarterly of Applied Mathematics QAM1420 (Accepted).***

24. Mohammad Kafini, S. Messaoudi "A blow-up result in a nonlinear wave equation with delay", ***Mediterranean Journal of Mathematics*** DOI 10.1007/s00009-014-0500-4(2014).

25. M. Kafini and N-e. Tatar, On the stabilization of a Cauchy viscoelastic problem with singular kernel, :http://dx.doi.org/10.1080/00036811.2015.1026335 ***Applicable Analysis*** (2015).

26. M. Kafini, A blow-up result in a viscoelastic system, ***Journal of Dynamical and Control Systems*** (2015), accepted

5. Submitted Work for Publication:

1. On the stabilization of a Cauchy viscoelastic problem with oscillating kernel and absorption.
   Co-author: Professor Nasser-eddine Tatar, Indagationes Mathematicae.
2. On the stabilization of a Cauchy viscoelastic problem with singular kernel and nonlinear source
   Co-author: Professor Nasser-eddine Tatar, Applicable Analysis
3. A blow-up result in a viscoelastic systems
   Submitted to Communications on Pure and Applied Analysis
4. Uniform decay in a Timoshenko-type system of thermoelasticity of type III with delay time.
   Submitted to Mathematical Methods in the Applied Sciences.
   Co-author: Professors Salim Messaoudi and Mohammad I. Mustafa.
5. Well-posedness and stability results in a Timoshenko-type system of thermoelasticity of type III with delay.
   Submitted to Journal of Dynamical and Control Systems.
6. A blow-up result in a nonlinear wave equation with delay, Nonlinear Differential Equations and Applications NoDea.

6. Conferences:

1. Third International Conference for Mathematical Sciences, ICM2008, Al-Ein, *UAE*.
2. International Conference on Recent Trends in Mathematical Sciences (*ICRMS 2008*), November 10 *th – 12 th , 2008,* The university of Bahrain, *Bahrain*.
3. 1stAnnal Maths Days of the King Saud University, (November 25-26, 2009). Riyadh, *Saudi Arabia*.
4. The First International Conference on Mathematics and Statistics, AUS-ICMS'10, March 18-21, 2010, American University of Sharjah, *U.A.E*.
5. The Fourth Saudi Science Conference. Contribution of Science Faculties in the Development Process of KSA. March 21 - 24, 2010. Al-Madinah Al-Munawwarah, *Saudi Arabia*.
6. The 8 th AIMS International Conference on Dynamical Systems, Differential Equations and Applications. Dresden University of Technology, May 25-28, 2010, *Dresden, Germany*.
7. The 2nd International Conference on Mathematical Sciences, UKM-PWTC, from Nov. 30 to Dec. 2, 2010, *Kuala Lumpur, Malaysia.*
8. The Fifth Saudi Science Conference. Contribution of Science Faculties in the Development Process of KSA. April 15 - 17, 2012.

Um Alqura University, Makkah Almukkaramah, ***Saudi Arabia*.**

9. 2nd Math- Days of King Saud University, Saudi Association for Mathematical Sciences (SAMS), ***Riyadh, Saudi Arabia.*** March 14-15, 2012.
10. The Eighth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory, March 25-28, 2013. ***University of Georgia, Athens, Georgia, USA.***
11. The "40th PDE days", June 3-7, 2013, Biarritz, ***France.***
12. Math days, Nov. 18-12, 2013. ***KSU, Riyadh, SA.***
13. Analysis of Partial Differential Equations, Dec. 7-10, 2013. ***SIAM, Orlando, Florida, USA***
14. Spring World Congress on Engineering and Technology, April, 16-18, 2014, ***Shanghai, China.***
15. The "41th PDE days", June, 2-6, 2014, ***Roscoff, France.***
16. The X Americas Conference on Differential Equations and Nonlinear Analysis, University of ***Buenos Aires, Argentina***, February 9-20, 2015.
17. Conference on PDE, COPDE 2015, ***Munich, Germany***, 25-29.03.2015

7. Membership:

- Differential Equations Group, formed by Math department, KFUPM.
- Reviewer for some journals i.e. *EJDE, BVP, M. Inqu., ...*

8. Funded Projects:

1) **Project # FT080002** (Seb.2008-Seb. 2009). "Stabilization in Viscoelastic problems in R^n".
   Jointly with Professors Salim Messaoudi and Nasser Tatar.
   Completed and rated Excellent.
2) **Project # IN100030** (Jun. 2010-Jun. 2011). " On a viscoelastic problem on the whole space".
   Jointly with Professor Nasser Tatar. (Completed)
3) **Project # IN101002** (Dec. 2010-Dec. 2011). " Uniform Stabilization for Thermoelastic Systems with Internal or Boundary Delay".
   Jointly with Professors Salim Messaoudi and Mohammad I. Mustafa (completed)
4) **Project # IN111024**, (Jan, 2012-Jan, 2013) Global nonexistence for some nonlinear wave systems.
   Jointly with Professor Salim Messaoudi (completed)
5) **Project # FT111002**, Stability in some systems of thermoelasticity type III with delay.
   Jointly with Professors Salim Messaoudi and Mohammad I. Mustafa

6) **Project # IN121020**, (March, 2013-March, 2014) Blow-up results in some viscoelastic wave equations in the whole space.
 Jointly with Professor Mohammad I. Mustafa
7) **Project # IN121031,** Well-posedness and asymptotic stability of Bresse system with memories.
Jointly with Professor Aissa Guesmia.
8) **Project # IN131028**, (March, 2014-March, 2015) Blow-up for some nonlinear wave systems with delay. Jointly with Professor Salim Messaoudi.
9) **NSTIP (Detailed Prpoosal),** Stabilization of Cauchy viscoelastic wave equations, Jointly with Professor Mohammad I. Mustafa.

9. Committee Work:

- Students outstanding committee.
- College accreditation committee. (*NCAAA*)
- Students affairs committee.
- Undergraduate Committee.
- Social Committee.

10. Evaluations: (For teaching in the last four years)**:**

- General evaluation done by the university is *(A+ : Distinguish)*.
- Evaluation done by students is above *9 out of 10* in average.

11. Courses that have been taught:

a) Math and Pre-Calculus, for preparatory year.
b) Discrete math Methods for management students.
c) Calculus I, II, & III.
d) Differential Equations.
e) Quantitative Methods for management students.
f) Statistics for Business and Statistics for Engineering:
   Level I: Preliminary up to Confidence intervals
   Level II: Testing hypotheses up to Regression analysis.
g) Engineering mathematics.

12. Awards

a) SCIENCEDIRECT, TOP 25 LIST OF MOST DOWNLOADED ARTICLES
b) Best research project award (2015).

13. Training and Courses:

- Intensive in-service-training courses in education and methodology, 1987-95.
- Educational supervision training course, 1996.
- Methods in teaching mathematics, 1998.
- ISO 9002 and Internal Auditing, 1998.
- English technical writing, KFUPM, 2001.
- WebCT, web-based course delivery platform, KFUPM, 2004.
- Evaluating the Quality of Teaching, KFUPM, 2005.
- Graduates for tomorrow's world, KFUPM-DAD, 2005.
- Teaching Mathematics in the Preparatory Year, KFUPM, 2006.
- Teaching for learning, KFUPM-DAD, 2007.
- Mathematics Olympiad, KFUPM, 2011.
- Content versus Process in Curriculum and Course Design, KFUPM-DAD, 2012-13.
- Teaching and learning clasrooms (2015).

14. References:

1- Prof. Salim Messaoudi, Math. Dept., KFUPM.
   E-mail: messaoud@kfupm.edu.sa
2- Prof. A.Bouchrif, Math. Dept., KFUPM.
   E- mail: aboucher@kfupm.edu.sa
3- Prof. Nasser e-ddine Tatar, Math. Dept., KFUPM.
   E-mail: tatarn@kfupm.edu.sa