

# KFUPM

## Mathematical Sciences Department

### Curriculum Vitae



**Dr. Salim Messaoudi**

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## 1. Personal Information

**Name:** Salim A. Messaoudi

**Birth date & place:** February 10,1960, Djamaa (Algeria)

**Marital Status:** Married with 4 children

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**Phone #:** 860 4570 (W). 860 5037 (H), **Fax #:** 860 2340.

**E-mail:** [messaoud@kfupm.edu.sa](mailto:messaoud@kfupm.edu.sa)

**Function:** Professor

**Major Field:** Partial Differential Equations

**Area of research interest:** Hyperbolic Systems and coupled parabolic-hyperbolic Systems: (Wave, Elasticity, Thermoelasticity, and Viscoelasticity)

## 2. Background

### 2.1. Education

University	Year	Degree Obtained
Carnegie-Mellon University (USA)	1986 – 1989	Ph. D. in Math
Carnegie-Mellon University (USA)	1985 -1986	M Sc. In Math
University of Sci. & Technology (Algeria)	1980 – 1984	D.E.S. (B. Sc) in Math.

### 2.2. Awards and Scholarships

Year	Award or Scholarship
2005	Shoman Arab Young Researchers
2002 – 2003	KFUPM Excellent Research Award
1987 – 1989	Teaching and Research Assistantship (C.M.U., USA)
1984 -1989	Algerian government Scholarship for graduate studies abroad
1979	The President Award for graduating with excellence from high school

## 3. Teaching and Supervision

### 3.1. Teaching Experience

University	Period of Service	Position
KFUPM, Dhahran, KSA	2005 – now	Professor
KFUPM, Dhahran, KSA	2001 – 2005	Associate Professor
KFUPM, Dhahran, KSA	1997 – 2001	Assistant Professor
Zarka Private University , Jordan	1996 – 1997	Assistant Professor
Nasser University, Libya	1995 – 1996	Assistant Professor
University of Biskra, Algeria	1989 -1995	Assistant Professor
CMU, Pittsburgh, USA	1994 – 1995	Teaching Assistant

### 3.2. Supervision

a. **M. Sc. Advisor:** 2000 – 2004

#### b. **Theses Supervision**

Student Name	Degree	Title	Department/ University	Year/ Status
M. Z. Saouli	M. Sc.	Study of a one-dimensional quasilinear hyperbolic system of thermoelastic equations	University of Batna, Algeria	April 1995
M. Kafini	M. Sc.	Fractional Calculus and some of its Applications	KFUPM, Saudi Arabia	December 2002
A. Al Shehri	M. Sc.	On the classical solutions of heat propagation with second sound	Girl's College, Dammam	November 2003
A. Al Juhani	M. Sc.	Breakdown of Solutions of a System of Heat Propagation with Second Sound	KFUPM, Saudi Arabia	Jan 5, 2005
B. Said-Houari	Ph. D.	Existence and Nonexistence results in non classical thermo-elasticity.	University of Annaba, Algeria	October 2005 (Expected)
S. Berrimi	Ph. D.	Decay in Solutions of wave and visco-elastic equations.	University of Setif, Algeria	July 4, 2005
Zineb Al Soufi	M. Sc.		Girls' College	2 <sup>nd</sup> year
Nuha Al Jebri	M. Sc.		Girls' College	2 <sup>nd</sup> year
Aisha Al Zahrani	M. Sc.		Girls' College	2 <sup>nd</sup> year
Aisha Al Shehri	PhD		Girls' College	Just started

#### c. **Senior Project**

1) Senior Project, Math. Dept., KFUPM, Semester 2, 2004
2) Senior Project, Math. Dept., KFUPM, Semester 2, 2001
3) Senior projects, Math. Dept., School of Education, Nasser University (Libya) 1996.

#### d. **Summer Training**

1) Math Department, KFUPM, Summer 2001
2) Math Department, KFUPM, Summer 1999

### 3.3. Thesis Committees

Student name	Degree / Year	Department / University
Mr. M. Nacer	M. Sc. April 1993	Math Dpt. / Univ. of Batna
Mr. A. Aziz Al Homaidi	M. Sc. May 1999	Math Department / KFUPM
Mr. Khalid Masood	Ph. D. March 2002	Math Department / KFUPM
Mr. Jamal Al Ismail	M. Sc. Jan 2004	Math Department / KFUPM
Mr. Abdullah Al Rammadan	M. Sc. May 2004	Math Department / KFUPM
Mr. Ali Al Gahtani	M. Sc. May 2004	Math Department / KFUPM
Miss Rasha Al Issa	M. Sc. Dec 2004	Math/ Girls' College
Mr. M. Al Lail	M. Sc. Jan 2005	Math Department / KFUPM
Mr. Aijaz Ahmad	M. Sc. Oct. 2005	Math Department / KFUPM
Miss Shams Al Yusof	M. Sc. Feb. 2006	Math Department / KSU
Miss Zaineb Al Khadhem	M. Sc. May 2006	Math Department / KSU

### 3.4. Courses Taught

#### a. Undergraduate Courses

University	Year	Courses
University of Biskra	1989 – 1990	Analysis 1, Analysis 2, Technical English
University of Biskra	1990 – 1991	Analysis 1, Analysis 2
University of Biskra	1991 – 1992	Analysis 1, Analysis 2
University of Biskra	1992 -1993	Vector Analysis, Linear Algebra Diff. Equations, Complex Analysis
Nasser University	1994 – 1995	Calculus 1, Calculus 2, Linear Algebra, ODE's , PDE's
Nasser University	1995 – 1996	Calculus 1, Calculus 2, Linear Algebra, Numerical Analysis
Zarka Private University	1996 – 1997	Calculus 3, Discrete Math, Numerical Analysis, Operation research
KFUPM	1997 – 1998	Math 201, Math 202
KFUPM	1998 – 1999	Math 202, Math 260
KFUPM	1999 – 2000	Math 001, Math 002
KFUPM	2000 – 2001	Math 002, Math 470, Math 202, Math 302
KFUPM	2001 – 2002	Math 202, Math 302
KFUPM	2002 – 2003	Math 302, Math 311, Math 411
KFUPM	2003 – 2004	Math 302, Math 430
KFUPM	2003 – 2004	Math 302
KFUPM	2004 – 2005	Math 302
KFUPM	2005 – 2006	Math 302
KFUPM	2006 – 2007	Math 470, Math 302

#### b. Graduate Courses

University	Year	Courses
University of Biskra	1991 – 1992	Numerical Analysis
University of Biskra	1992 -1993	Mathematical Methods
KFUPM	1998 – 1999	Math 531
KFUPM	1999 – 2000	Math 531, Math 568

KFUPM	2000 – 2001	Math 595
KFUPM	2001 – 2002	Math 565
KFUPM	2004 – 2005	Math 531 – Sobolev Spaces
KFUPM	2005 – 2006	Math 533 – Math 531
KFUPM	2006 – 2007	Math 695, Math 696, Math 568

**c. Short Courses & Lecture Series**

<b>University</b>	<b>Year</b>	<b>Courses</b>
Math. / KFUPM	2002 – 2003	Short course for high school teachers
Math. / Girls college	Fall 2000	Intensive course on PDE'S for a graduate students
Math. / KFUPM	2004 – 2005	Lecture series on Sobolev spaces
Math / KFUPM	2005-2006	Variational Equations and Inequalities
Math / KFUPM	2005-2006	Evolution equations
Math/ Univ. Ouargla, Algeria	2006-2007	Sobolev Spaces and Evolution equations

**3.5. Course Evaluation**

<b>Term</b>	<b>Evaluation</b>	<b>Term</b>	<b>Evaluation</b>
<b>971</b>	Math 201-13: 9.09 Math 201-16: 8.14 Math 201-22: 8.40	<b>972</b>	Math 201-06: 8.47 Math 202-07: 9.07 Math 202-11: 9.54
<b>981</b>	Math 531-01: 9.54 Math 202-01: 8.61 Math 202-02: 8.79	<b>982</b>	Math 260-05: 9.02 Math 202-06: 8.44 Math 202-11: 9.85
<b>983</b>	Math 260: 9.17 Math 260: 8.54		
<b>991</b>	Math 001: 8.32 Math 001: 7.95 Math 531: 8.90	<b>992</b>	Math 002: 8.32 Math 002: 7.09 Math 568: 9.36
<b>001</b>	Math 002: 8.67 Math 00: 8.60 Math 470: 9.31	<b>002</b>	Math 202 : 9.02 Math 202: 8.82
<b>011</b>	Math 202 : 9.18 Math 565 : 9.06	<b>012</b>	Math 202 : 8.28 Math 202: 9.41 Math 302: 8.56
<b>021</b>	Math 302 : 8.49 Math 311: 9.69	<b>022</b>	Math 302 : 9.04 Math 411: 9.02
<b>031</b>	Math 302 : 8.73 Math 302: 8.75	<b>032</b>	Math 302 : 8.61 Math 430: 8.65
<b>041</b>	Math 531 : 8.33	<b>042</b>	Math 302 : 8.46 Math 302: 8.73
<b>051</b>	Math 302: 8.81	<b>052</b>	Math 302: 9.13

	Math 533 : 8.19		Math 531: 8.66
<b>061</b>	Math 470 : 9.42 Math 695:	<b>062</b>	Math 302: Math 568 : Math 696:

#### 4. Research Work

##### 4.1. Journal Papers

- 1) Hrusa J. W. & Messaoudi S. A., *On Formation of singularities in one-Dimensional nonlinear thermoelasticity*, Archive of Rational Mech. Analysis **111** # 2 (1990) 135 – 151.
- 2) Messaoudi S. A., *On Weak Solutions of Semilinear Thermoelastic Equations*, Maghreb Math Review Vol. **1** # **1** (1992) 31 – 40.
- 3) Messaoudi S. A., *Formation of Singularities in Heat Propagation guided by Second Sound*, J. Differential equations **130** (1996) 92 – 99.
- 4) Messaoudi S. A., *Blow up in solutions of a semi-linear wave equation.*, International J. Applied Math Vol. **1** # **6** (1999), 621 – 626.
- 5) Messaoudi S. A., *Formation of Singularities in Solutions of a Wave Equation*, Applied Math. Letters **12** # **4** (1999), 23 – 28.
- 6) Messaoudi S. A., *On the existence and nonexistence of solutions of a nonlinear hyperbolic system describing heat propagation by second sound*, Applicable Analysis **73** (1999) 485 – 496.
- 7) Messaoudi S. A., *Gradient Catastrophe in the classical solutions of nonlinear hyperbolic systems*, Journal of Partial Differential Equations Vol. **13** # **1**(2000 ), 28 – 35.
- 8) Messaoudi S. A., *Blow up in solutions of a linear wave equation with mixed nonlinear boundary conditions*, Arabian J. Sciences & Engineering Vol. **25** # **1A**, (2000) 39 – 44.
- 9) Messaoudi, S. A., *Energy decay of solutions of a semilinear wave equation*, International J. Applied Math, Vol. **2** # **9** (2000), 1037 – 1048.
- 10) Messaoudi S. A., *A comparative result between the Gamma function and the Exponential*, Int. J. Math. Edu. Sci. Technol., Vol **31** # **6** (2000), 946 – 948.
- 11) Messaoudi S. A., *Blow up in the solutions of an equation describing a transverse motion of a non homogeneous string*, Arab J. Math. Sc., Vol. **6** # **1**, (2000) 75 – 82.
- 12) Messaoudi S. A., *On weak solutions of a system of one-dimensional nonlinear thermoelasticity*, Arab J. Math. Sc. Vol. **6** # **2** (2000), 27 – 40.

- 13) Kirane M. and Messaoudi S. A., *Breakdown in finite time of solutions to a one-dimensional wave equation.*, Revista Mathematica Complutense Vol. **XIII** # **2** (2000), 413 – 422.
- 14) Messaoudi S. A., *A global existence result in a one-dimensional thermoelastic system*, International J. Diff. Equations Vol. **2** # **3** (2001), 303 – 316.
- 15) Messaoudi S. A., *A blow-up result in a multidimensional semilinear thermoelastic system*, Electron. J. Diff. Eqns., Vol. **2001** # **30** (2001), 1- 9.
- 16) Messaoudi S. A., *Decay of the solution energy of a nonlinearly damped wave equation*, Arabian J. Sciences & Engineering Vol. **26** # **1A** (2001), 63 – 68.
- 17) Messaoudi S. A., *Blow up in a semilinear wave equation*, J. Partial Diff. Equations **14** (2001), 105 – 110.
- 18) Messaoudi S. A., *Blow up in a nonlinearly damped wave equation*, Mathematische Nachrichten **231** (2001), 1 – 7.
- 19) Messaoudi S. A., *Global existence and nonexistence in a system of Petrovsky*, J. Math Anal. Appl. **265** (2002), 296 – 308.
- 20) Messaoudi S. A., *Development of singularities in solutions of a hyperbolic system*, Int. J. Math. & Math. Sciences Vol. **28** # **1** (2001), 1 – 7.
- 21) Kirane M. & Messaoudi S. A., *Nonexistence results for the Cauchy problem of some systems of hyperbolic equations*, Annales Polonici Mathematici **LXXVIII** # **1** (2002), 39 – 47.
- 22) Masood K., Messaoudi S. A., and Zaman F., *Initial Inverse problem in heat equation with Bessel operator*, International J. of heat and mass transfer, Vol. **45** # **14** (2002), 2959 – 2965
- 23) Messaoudi S. A., *Global nonexistence in a nonlinearly damped wave equation*, Applicable Analysis Vol. **80** # **3** (2002), 269 – 277.
- 24) Benaissa A. and Messaoudi S. A., *Blow up of solutions of a nonlinear wave equation*, J. Applied Math. **2** # **2** (2002), 105 – 108.
- 25) Mesloub S. and Messaoudi S. A., *A three point boundary value problem with a nonlocal condition for a hyperbolic equation*, Elect. J. of Differential Equations, Vol. **2002** # **62** (2002), 1 – 13.
- 26) Messaoudi S. A., *Decay of solutions of a nonlinear hyperbolic system describing heat propagation by second sound*, Applicable Analysis Vol. **81** # **2** (2002), 201 – 210
- 27) Messaoudi S. A., *Local existence and blow up in nonlinear thermoelasticity with by second sound*, Com. Partial Differential Equations Vol. **27** # **7 & 8** (2002), 1681 – 1693.

- 28) Messaoudi S. A., *On separable variable functions*, Int. J. Math. Edu. Sci. Tech., Vol **33** # **3** (2002), 425 – 427.
- 29) Messaoudi S. A., *A note on blow up of solutions of a quasilinear heat equation with vanishing initial energy*, J. Math. Anal. Appl. **273** (2002), 243 – 247.
- 30) Benaissa A. and Messaoudi S. A., *Blow-up of solutions for Kirchhoff equation of  $q$ -Laplacian type with nonlinear dissipation*, Colloquium Mathematics **94** # **1** (2002), 103 – 109.
- 31) Benaissa A. and Messaoudi S. A., *Blow-up of solutions of a quasilinear wave equation with nonlinear dissipation*, J. Partial Diff. Eqns **15** # **3** (2002), 61 – 67.
- 32) Messaoudi S. A., *Global existence and decay of solutions to a system of Petrovsky*, Mathematical Sciences. Research J. Vol. **11** # **11** (2002), 534 – 541.
- 33) Mesloub S. and Messaoudi S. A., *A non local mixed semilinear problem for second order hyperbolic equations*, Elect. J. Differential Equations, Vol. **2003** # **30** (2003), 1 – 17.
- 34) Messaoudi S. A., *Local existence and blow up in a semilinear heat equation with the Bessel operator*, Nonlinear Studies Vol. **10** # **1** (2003), 59 – 66
- 35) Messaoudi S. A. and Tatar N-E., *Global existence asymptotic behavior for a Nonlinear Viscoelastic Problem*, Mathematical Sciences. Research J. Vol. **7** # **4** (2003), 136-149.
- 36) Messaoudi S. A., *Blow up in the Cauchy problem for a nonlinearly damped wave equation*, Comm. On Applied. Analysis **7** # **3** (2003), 379 – 386.
- 37) Messaoudi S., *Blow up and global existence in a nonlinear viscoelastic equation*, Mathematische Nachrichten **260** (2003), 58 – 66
- 38) Messaoudi S. A., *Decay and gradient estimate for solutions of a semilinear heat equation*, Arab Journal of Math. Sciences vol. **9** # **2** (2003), 1 – 7.
- 39) Berrimi S. and Messaoudi S. A., *Exponential decay of solutions to a viscoelastic equation with nonlinear localized damping*, Elect. J. Differential Equations, Vol. **2004** # **88** (2004), 1 – 10.
- 40) Messaoudi S. A. and Said-Houari B., *Blow up of solutions with positive energy in nonlinear thermoelasticity with second sound*, JAM **2004** # **3** (2004), 201 – 211.
- 41) Masood K., Messaoudi S. A., and Zaman F., *Recovery and regularization of the initial temperature distribution in a cylinder*, Int. J. heat and tech. Vol. **21** # **2** (2003), 155 – 160.
- 42) Messaoudi S. and Said-Houari B., *Blow up of solutions of a class of wave equations with nonlinear damping and source terms*, Math. Methods Appl. Sc. # **27** (2004), 1687 – 1696

- 43) Messaoudi S. A. and Said-Houari B., *Exponential stability in one-dimensional nonlinear thermoelasticity with second sound*, Math. Methods in Applied Sciences # **28** (2005), 205 – 232.
- 44) Messaoudi S. A., *Blow up of solutions of a semilinear heat equation with a memory term*, Applied and Abstract Analysis **2** (2005), 87-94.
- 45) Messaoudi S. A., *Formation of singularities in solutions of a quasilinear strictly hyperbolic system*, Dynamics of Continuous, Discrete, and Impulsive Systems **12** # **3-4** (2005), 423-428.
- 46) Guesmia A. and Messaoudi S. A., *Decay estimates of solutions of a nonlinearly damped wave equation*, Journal Annal. Polonici. Math. **85** # **1** (2005), 25-36.
- 47) Mesloub S. and Messaoudi S. A., *On a system of linear thermoelasticity with the Bessel operator*, Matematicki Vesnik **57** (2005), 19-26.
- 48) Messaoudi S., *On the decay of solutions for a class of quasilinear hyperbolic equations with nonlinear damping and source terms*, MMAS **28** (2005), 1819-1828
- 49) Ben Aissa A. & Messaoudi S. A., *Exponential decay of solutions of a nonlinearly damped wave equation.*, NoDEA Vol. **12** # **4**, (2005), 391-399
- 50) Messaoudi S. A., *Asymptotic stability of solutions of a system for heat propagation with second sound*, JCAAM Vol. **2** # **3** (2004), 249-256
- 51) Berrimi S. and Messaoudi S. A. *Existence and decay of solutions of a viscoelastic equation with a nonlinear source*, Nonlinear Analysis **64** (2006), 2314-2331
- 52) Messaoudi S. A. and Said-Houari B., *A global nonexistence result for the nonlinearly damped multi-dimensional Boussinesq equation*, AJSE Vol. **31** # IA (2006), 57-68
- 53) Messaoudi S, *Blow up of positive-initial-energy solutions of a nonlinear viscoelastic hyperbolic equation*, JMAA **320** (2006), 902-915.
- 54) Messaoudi S. A. and Berrimi S., *Boundary stabilization of a nonlinear thermoelastic system*, Math Meghreb Review (Accepted)
- 55) Guesmia A. and Messaoudi S. A., *On the boundary stabilization of a compactly coupled system of nonlinear wave equations*, Int. J. Evolution Eqns Vol. **1** # **3** (2005), 211-224.
- 56) Messaoudi S. A., *Global existence, Exponential decay, and Blow up in one-dimensional quasi-linear hyperbolic systems : A unified Approach*, Dynamics of Continuous, Discrete, and Impulsive Systems (Accepted)
- 57) Messaoudi S., *On the control of solutions of a viscoelastic equation*, Franklin Institute Journal (Accepted)

- 58) Messaoudi S.A. and A. Al-Juhani, Breakdown of solutions of a system describing heat propagation with second sound, *AJMS* Vol. **11** # **2** (Accepted)
- 59) Messaoudi S. A. and Belkacem Said-Houari, A blow-up result for a higher-order nonlinear Kirchhoff-type hyperbolic equation, *AML* (accepted)
- 60) Messaoudi S. A. and Soufiane A., Boundary stabilization of solutions of a nonlinear system of Timoshenko type, *Nonlinear Analysis* (In press)
- 61) Messaoudi S. A. and Tatar N. E., Global existence and uniform stability of solutions for a quasilinear viscoelastic problem, *MMAS* (Accepted)
- 62) Messaoudi S. A. and Tatar N. E., Exponential and Polynomial Decay for a Quasilinear Viscoelastic Equation, *NA* (Accepted)
- 63) Messaoudi S.A., Tatar N-E, and Said-Houari B., *Global Existence and Asymptotic Behavior for a Fractional Differential Equation*, *Applied Math and computations* (accepted)
- 64) Messaoudi S.A. and N.-e. Tatar, Exponential decay for a quasilinear viscoelastic equation, *Mathematische Nachrichten* (Accepted)

#### 4.2. Proceedings

- 65) Messaoudi S. A., *On the Solution of a Hyperbolic Heat System*, Proceeding of the First Saudi Science conference Vol. **3** (2001), 547 – 556.
- 66) Berrimi S. and Messaoudi S. A., A decay result for a quasilinear parabolic system, *Progress in Nonlinear Differential Equations and their Applications*, Vol. **53** (2005), 43-50.
- 67) Messaoudi S. A., *Blow up of solutions of a semilinear heat equation with a visco-elastic term*, *Progress in Nonlinear Differential Equations and their Applications*, Vol. **64** (2005), 351-356.
- 68) Messaoudi S. A. and Al Shehri A., Gradient catastrophe in heat propagation with second sound, *Mathematical models and methods for real world systems*, *Pure and Applied Mathematics* # 272, Chapman & Hall/CRC (2205), 273-282
- 69) Messaoudi S. A. and Said-Houari B., *A decay result in a system of thermoelasticity type III*, Proceedings of the UAE Math-Day, Nova Publishing Company, New York (To appear)
- 70) Berrimi S. and Messaoudi S. A., *A decay result in a parabolic system with visco-elastic term*, Proceedings of the UAE Math-Day, Nova Publishing Company, New York (To appear)

- 71) Messaoudi S., On the control of solutions of a viscoelastic equation, Proceedings of the first international Conference on Modeling, Simulation, and Applied optimization, Amer. Univ. of Sharjah, Feb 1 – 3, 2005

#### **4.3. Submitted Work**

- 72) Guesmia A. and Messaoudi S.A., Convexity for energy decay rates of Timoshenko systems with frictional versus viscoelastic damping, Communication on Pure and Applied Analysis.
- 73) Mesloub S. and Messaoudi S.A., On solutions of a singular viscoelastic equation with an integral condition, JMAA
- 74) Mesloub S. and Messaoudi S.A., Global existence, decay, and blow up of solutions of a singular nonlocal viscoelastic problem, J. Nonlinear Studies
- 75) Messaoudi S.A. and N.-e. Tatar, Uniform stabilization of solutions of a nonlinear system of viscoelastic equations, Applicable Analysis
- 76) Kafini M. and Messaoudi S.A., A blow-up result in a Cauchy viscoelastic problem, AML
- 77) Messaoudi S.A. General decay of solutions of a viscoelastic equation, JMAA
- 78) Messaoudi S.A. and Belkacem Said-Houari, Energy decay in a transmission problem in thermoelasticity of type III, IMA J. Appl. Math.

#### **4.4. Conference Presentations**

- 1) Messaoudi S. A., *Blow up in the Cauchy problem for one-dimensional quasilinear hyperbolic systems*, The 4<sup>th</sup> International Jordanian Math Conference, Yarmouk University, August 1998
- 2) Messaoudi S. A., *Energy decay of solutions of a semilinear wave equation with mixed boundary conditions*, The First International Math Conference, University of the UAE, Al Ain, November 21 – 23 1999
- 3) Messaoudi S. A., *Blow up in a semilinear wave equation*, The 5<sup>th</sup> meeting of the Saudi Association of Math. Sciences (SAMS), Riyadh, Saudi Arabia, April 11 – 12, 2000
- 4) Messaoudi S. A., *Blow up in a semilinear thermoelastic system*, The Third International Congress of Nonlinear Analysis, Catania, Italy July 20 – 28, 2000
- 5) Messaoudi S. A., *Blow up in a semilinear wave equation with convection term., Workshop on Elasticity – Thermoelasticity – Viscoelasticity*, Konstanz, Germany. July 31 – August 4, 2000.

- 6) Messaoudi S. A., *On the Solution of a Hyperbolic Heat System*, *The First Saudi Science conference*, April 9 – 11, 2001, KFUPM, Dhahran, Saudi Arabia,
- 7) Messaoudi S. A., *On Existence and blow up in an initial one-point boundary value problem*, *Conference in Mathematical Analysis and Application*, Amer. Univ., Sharjah, U.A.E., May 2 –4, 2001.
- 8) Messaoudi S. A., *Decay in heat propagation guided by second sound*, *The 6<sup>th</sup> Meeting of the Saudi Mathematical Society*, Riyadh, Saudi Arabia, April 9 & 10, 2002.
- 9) Messaoudi S. A., *Decay and gradient estimate for solutions of a semilinear heat equation*, *The First UAE Math Conference*, University of Sharjah, U.A.E., May 8, 2003
- 10) Messaoudi S. A., *On thermoelasticity with second sound*, *Joint Meeting of the AMS and the Spanish Math. Society Sivilla*, Spain, June 18 – 21 2003.
- 11) Messaoudi S. A. and Al Shehri A, *Wave-Like heat propagation*, *The 6<sup>th</sup> International Congress on Industrial and Applied Math*, Sydney, Australia July 7 – 11, 2003.
- 12) Messaoudi S. A. and Said-Houari B., *A decay result in a system of thermo-elasticity type III*, *The Second UAE Math Conference American University*, Sharjah, UAE, April 1, 2004
- 13) Messaoudi S. A. and Berrimi S., *A decay result in a parabolic system with a visco-elastic term*, *The Second UAE Math Conference*, American University, Sharjah, UAE, April 1, 2004
- 14) Messaoudi S. A., *Blow up of solutions of a quasilinear heat equation with positive initial energy*, *the 7<sup>th</sup> SAMS meeting*, PSU, Riyadh, Saudi Arabia, April 7 – 8, 2004
- 15) Messaoudi S. A., *Why Sobolev Spaces ?*, *The First Applied Math. Day*, KFUPM, April 11, 2004.

- 16) Messaoudi S.A., *Blow up of solutions of a semilinear heat equation with memory term*, Nonlinear Elliptic and Parabolic Problems, Zurich June 28 – 30, 2004
- 17) Berrimi S. and Messaoudi S. A., *Boundary Stabilization of a nonlinear thermoelastic system*, The 6<sup>th</sup> AMU Pan-African Congress of Math. Tunis, Sepyember1 – 6, 2004
- 18) Messaoudi S. A., *A blow up result in a parabolic system with a visco-elastic term*, The Second International Conference on Math. Sciences, UAEU, Al Ain December 12 – 14, 2004
- 19) Messaoudi S., *On the control of solutions of a viscoelastic equation*, Proceedings of the first international Conference on Modeling, Simulation, and Applied optimization, Amer. Univ. of Sharjah, Feb 1 – 3, 2005
- 20) Messaoudi S., *Exponential decay for the solutions of a nonlinear viscoelastic equation*, Conference on Nonlinear Partial Differential Equations, Tipaza, Algeria, May 23-26, 2005
- 21) Messaoudi S.A., *Decay of solution energy of some nonlinear viscoelastic equations of hyperbolic type*, Les journees Algero-Francaises, Constantine November 26-28, 2005
- 22) Messaoudi S.A. and Said-Houari B., *Boundary stabilization of a system of thermoelasticity type III*, The fourth UAE Math Day, April 27, 2006, Sharjah, UAE.
- 23) Messaoudi S.A., *On Decay of Solutions in an Abstract integro-differential Equation*, Workshop on Abstract and Ordinary Differential Equations, May 13-18, 2006, Tipaza, Algeria.
- 24) Messaoudi S.A., *General Decay of solutions of a semilinear viscoelastic equation*, The 6<sup>th</sup> AIMS Conference on Dynamical systems, Differential Equations and Applications, June 25-28, 2006, Poitier, France.
- 25) Messaoudi S.A., *General Decay of solutions of a semilinear viscoelastic equation*, Workshop on PDE's in Modern Mathematical Physics and Applied Mathematics, KACST, Riyadh, Feb., 13, 2007.
- 26) Messaoudi S.A. and Nuha A. Al-Jebr, *On the uniform decay in a semilinear Integro-differential elastic equation*, The Third Saudi Science Conference, Riyadh March 10-13, 2007
- 27) Messaoudi S.A. and Guesmia A., *On the control of a viscoelastic damped Timoshenko-type system*, the Second International Conference on Modeling, Simulation and Applied Optimization (ICMSAO-07), Abu Dhabi March 25-27, 2007

28) Messaoudi S.A., DECAY in viscoelastic system of Timoshenko-type, the Second International Conference on Modeling, Simulation and Applied Optimization (ICMSAO-07), Abu Dhabi March 25-27, 2007

#### 4.5 Technical Reports

1) Blow up in the solutions of an equation describing a transverse motion of a nonhomogeneous string, TR # 241, Department of Mathematical Sciences, KFUPM, Saudi Arabia (1999)

2) Global existence and blow up in solutions of a semilinear wave equation with boundary conditions, TR # 242, Department of Mathematical Sciences, KFUPM, Saudi Arabia (1999)

3) Decay of solutions of a nonlinear hyperbolic system describing heat propagation by second sound TR # 267, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2001)

4) Initial Inverse Problem in Heat Equation with Bessel Operator, (with Khalid Masood and F.D. Zaman), TR # 271, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2002)

5) Gradient catastrophe in heat Propagation with second sound, Salim A. Messaoudi (With Aisha S. Al-Shehri), TR # 284, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2003)

6) Global existence of weak solutions in nonlinear thermoelasticity with second sound TR # 296, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2003)

7) Recovery and Regularization of the Initial Temperature Distribution in a Cylinder, (with Khalid Masood and F.D. Zaman), TR # 302, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2003)

8) Messaoudi S.A., Decay of solution energy of some viscoelastic equations of hyperbolic type, TR # 337, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2005)

9) Messaoudi S.A. General decay of solutions of a viscoelastic equation, TR #, Department of Mathematical Sciences, KFUPM, Saudi Arabia (2005)

#### 4.6. Funded Projects

Title of the project	Period	Funded by	Role
On Heat Propagation and Thermoelasticity by Second Sound	May 1, 02 – April 30, 03	KFUPM	PI

On long time behavior of some viscoelastic problems	April 1, 04 – Sept. 30, 05	KFUPM	PI
On a viscoelastic material permissive to slight deformations	Sept. 1, 05 to Aug 31, 06	SABIC	CoI
Functional Analysis: Theory and Applications (Arabic Book Translation)	Submitted	KFUPM	CoI
On some singular viscoelastic problems	Dec. 15, 05 to Dec. 14, 06	KFUPM	PI
Stabilization of strongly coupled nonlinear Klein-Gordon equations arising in viscoelasticity	Sept. 1, 06 to August 31, 07	SABIC	PI
Uniform stabilization of some Timoshenko-type systems	Sept. 1, 06 to August 31, 07	Fast Truck	PI
General Decay in viscoelastic equations	Dec. 15, 06 Dec. 14, 07	KFUPM	PI
Uniform stabilization in systems of non classical thermoelasticity	Submitted	KFUPM	PI
Critical Exponent for a Viscoelastic Problem in $\mathbf{R}^N$	Submitted	KFUPM	PI

#### 4.7. Conference Attendance

Name	Place	Date
The 4 <sup>th</sup> International Jordanian Math Conference,	Yarmouk University, Jordan	August 1998
The First International Math Conference	University of the UAE	Nov. 21 – 23, 1999
The 5 <sup>th</sup> conference of Saudi Association of Math. Sciences (SAMS)	KSU, Riyadh	11, 12 / 4 / 2000
The 3 <sup>d</sup> International Congress of Nonlinear Analysis	Cattania, Italy	July 2000
Workshop on Elasticity – Thermoelasticity – Visco-elasticity	University of Konstanz, Germany	July 31 – August 4, 2000,
New Trend In Potential Theory and Applications	Bielefeld, Germany	March 26–30, 2001
First Saudi Science conference	KFUPM, Dhahran, KSA	April 9 – 11, 2001
Conference on Mathematical Analysis and Application	Amer. Univ., Sharjah	May 2 –4, 2001
The 6 <sup>th</sup> Meeting of the Saudi Mathematical Society (SAMS)	KSU, Riyadh	April 9 & 10, 2002
Symposium on Partial Differential Equations	Perugia, Italy	June 24 – 28, 2002
The First UAE Math Conference	University of Sharjah	May 8, 2003
The First Joint Meeting of the AMS and the Spanish Math. Society	Sivilla, Spain	June 18 – 21 2003.
The 6 <sup>th</sup> International Congress on Industrial and Applied Math	Sydney, Australia	July 7 – 11, 2003.
Workshop on Industrial Math.	KFUPM, Dhahran	Feb 29 – March

		2, 2004
Workshop on Numerical solutions of PDE models using Fastflo	KFUPM, Dhahran	March 3 – 4, 2004
The Second UAE Math Day	American University, Sharjah	March 31 – April 1, 2004
The 7 <sup>th</sup> SAMS meeting	Prince Sultan university, Riyadh	April 7 – 8, 2004
Conference on Nonlinear Analysis,	Ancienne Polytech. Paris	June 21 – 25, 2004.
Conference on Nonlinear Elliptic and Parabolic Problems	University of Zurich	June 28 – 30, 2004.
The First Arab Math. Conference	The Applied Science Private Univ./ Jordan	October 6 – 8, 2004
The Second International Math. Conference	UAEU/ Al Ain	December 12 – 14, 2004
The first international Conference on Modeling, Simulation, and Applied optimization	American University of Sharjah	February 1- 3, 2005.
Conference on Nonlinear Partial Differential Equations	Tipaza, Algeria	May 23-26, 2005
Les journees Algero-Francaises	Constantine, Algeria	November 26-28, 2005
Workshop on EDA/EDO	Tipaza, Algeria	May 13-18, 2006
The 6 <sup>th</sup> AIMS Conference on Dynamical systems, Differential Equations and Appl.	Poitier, France.	June 25-28, 2006
Workshop on PDE's in Modern Mathematical Physics and Applied Mathematics	KACST, Riyadh	February 13, 2007.
Third Saudi Science Conference	KSU, Riyadh	March 10-13, 2007
Second International Conference on Modeling, Simulation and Applied Optimization (ICMSAO-07)	Abu Dhabi, UAE	March 25-27, 2007

## 5. Citations

### 5.1 Reference Citations

Ser	Cited Item	Citing work
1	Item # 1 of Section 4.1	<p>1) Racke R., <i>Thermoelasticity with second sound – exponential stability in linear and non-linear 1-d</i>, Math. Methods Appl. Sci. <b>25</b> # <b>5</b> (2002), 409 – 441</p> <p>2) Kirane M. and Tatar N-E, <i>A nonexistence result to a Cauchy problem in nonlinear one dimensional thermoelasticity</i>, J. Math. Anal. Appl. <b>254</b> # <b>1</b> (2001), 71-86</p> <p>3) Hattori H. <i>Breakdown of smooth solutions in one-dimensional magnetostriction</i>, Q. Appl. Math. <b>58</b> # <b>1</b> (2000), 1 – 16.</p> <p>4) Wang D. H. and Chen G. Q., <i>Formation of singularities in compressible Euler-Poisson fluids with heat diffusion and damping relaxation</i>, J. Differ. Eqns. <b>144</b> # <b>1</b> (1998), 44 – 65.</p> <p>5) Wang D. H., <i>On the Cauchy problem of some dissipative flows</i>, J. Math. Anal. Appl. <b>218</b> # <b>2</b> (1998), 479 – 494.</p>

		<p>6) Chruszczuk A., <i>On some 2<sup>nd</sup> order nonlinear systems of hyperbolic-parabolic type</i>, Math. Methods Appl. Sci. <b>18</b> # <b>12</b> (1995), 949-957.</p> <p>7) Kawashima S. and Shibata Y., <i>On the Neumann problem of one-dimensional nonlinear thermoelasticity with time-independent external force</i>, Czech Math. J. <b>45</b> # <b>1</b> (1995), 39-67.</p> <p>8) Racke R., Shibata Y. and Zheng S. M., <i>Global solvability and exponential stability in one-dimensional nonlinear thermoelasticity</i>, Q Appl. Math. <b>51</b> # <b>4</b> (1993), 751-763.</p> <p>9) Andrews K. T., Shi P., Shillor M., <i>et al</i>, <i>Thermoelastic contact with Barbar heat-exchange condition</i>, Appl. Math. Opt. <b>28</b> # <b>1</b> (1993), 11 - 48</p> <p>10) Jiang S., <i>On global smooth solutions to the one-dimensional equations of nonlinear inhomogeneous thermoelasticity</i>, Nonlinear Anal. Theor. <b>20</b> # <b>10</b> (1992), 1245 – 1256.</p> <p>11) Racke R. and Y. Shibata, <i>Global smooth solutions and asymptotic stability in one-dimensional nonlinear thermoelasticity</i>, Arch., Rational. Mech. Anal <b>116</b> (1991), 1 – 34.</p> <p>12) Jiang S, <i>Global solutions of the Neumann problem in one-dimensional nonlinear thermoelasticity</i>, Nonlinear Anal. Theor. <b>19</b> # <b>2</b> (1992), 107-121.</p> <p>13) Jame E. Rivera and R. K. Baretto, <i>Existence and exponential Decay in nonlinear thermoelasticity</i>, Nonlinear Analysis V31 # 1/2 (1998), 149 – 162..</p> <p>14) Durek U, <i>Ein Existenzsatz fur nichtlineare Thermoelastizitatsgleichungen zu</i> ,PhD Thesis (1997), Math Dpt., University of Konstanz, Germany</p> <p>15) Song Jiang and R. Racke, <i>Evolution Equations in Thermoelasticity</i>, Chapman &amp; Hall 2000</p> <p>16) Yuming Qin and J. M. Rivera, <i>Blow up of solutions to the Cauchy problem in nonlinear one-dimensional thermoelasticity</i>, J. Math. Anal. <b>292</b> (2004), 160 – 193.</p>
2	Item # 2 of Section 4.1	<p>1) Reinhard Racke and Y. Wang, <i>Propagation of singularities in One-Dimensional Thermoelasticity</i>, J. Math. Anal. Appl. <b>223</b> (1998), 216 – 247</p> <p>2) Song Jiang and R. Racke, <i>Evolution Equations in Thermoelasticity</i>, Chapman &amp; Hall 2000</p> <p>3) M. Kirane and N. Tatar, <i>A nonexistence result to a Cauchy problem in nonlinear one dimensional thermoelasticity</i>, J. Math Anal. Appl. <b>254</b> (2001), 71 – 86</p> <p>4) Yuming Qin and J. M. Rivera, <i>Blow up of solutions to the Cauchy problem in nonlinear one-dimensional thermoelasticity</i>, J. Math. Anal. Appl. <b>292</b>: (2004), 160-193.</p>
3	Item # 3 of Section 4.1	Liu, Fa-gui, Xiang; Ming-Seng; Li, Cai-Zhong, <i>Classical solutions to heat conduction with finite of propagation guided by second sound</i> , Sichuan Daxue Xuebao <b>38</b> # <b>6</b> (2001), 793–798.
4	Item # 4 of Section 4.1	<p>1) Said-Houari S., <i>Etudes de l ‘ interaction entre un terme dissipatif et un terme d ‘ explosion pour un probleme hyperbolique</i>, Mater Thesis (2002) , Department of Mathematics, University of Annaba, Algeria</p> <p>2) Guesmia A., <i>A new approach of stabilization of nondissipative distributed systems</i>, SIAM J. Control. Opt. <b>42</b> # <b>1</b> (2003), 24-52</p>

4	Item # 8 of Section 4.1	1) Wazwaz A. M., <i>Blow-up for solutions of some linear wave equations with mixed nonlinear boundary conditions</i> , Appl. Math. Comput. <b>123</b> # 1: (2001), 133-140. 2) Said-Houari S., <i>Etudes de l ' interaction entre un terme dissipatif et un terme d ' explosion pour un probleme hyperbolique</i> , Mater Thesis (2002) , Department of Mathematics, University of Annaba, Algeria.
	Item # 15 of Section 4.1	Alaimia M and Tatar N-E, Blow up for the wave equation with a fractional damping, Journal of Applied Analysis, Vol. <b>11</b> # 1 (2005), 133-144.
5	Item # 17 of Section 4.1	Nasser-eddine Tatar, <i>A wave equation with fractional damping</i> . Z. Anal. Anwendungen <b>22</b> # 3 (2003), 609—617. .
6	Item # 19 of Section 4.1	1) Guesmia A., <i>A new approach of stabilization of nondissipative distributed systems</i> , SIAM J. Control. Opt. <b>42</b> # 1 (2003), 24-52. 2) Guesmia A., <i>These d' Habilitation, Metz University, November 2004</i>
7	Item # 20 of Section 4.1	Said-Houari S., <i>Etudes de l ' interaction entre un terme dissipatif et un terme d ' explosion pour un probleme hyperbolique</i> , Mater Thesis (2002) , Department of Mathematics, University of Annaba, Algeria
8	Item # 21 of Section 4.1	1) Nasser-eddine Tatar, Blow up for the wave equation with a nonlinear dissipation of cubic convolution, <i>Appl. Math. Comput.</i> <b>148</b> (2004), no. 3, 759 – 771 2) Said-Houari S., <i>Etudes de l ' interaction entre un terme dissipatif et un terme d ' explosion pour un probleme hyperbolique</i> , Mater Thesis (2002) , Department of Mathematics, University of Annaba, Algeria.
9	Item # 22 of Section 4.1	1) Guesmia A., <i>A new approach of stabilization of nondissipative distributed systems</i> , SIAM J. Control. Opt. <b>42</b> # 1 (2003), 24-52. 2) Guesmia A., <i>These d' Habilitation, Metz University, November 2004</i>
10	Item # 25 of Section 4.1	1) Masood K. and Zaman F. D., Investigation of the initial inverse problem in the heat equation, J. heat Transfer_ Transaction of the ASME <b>126</b> # 2 (2004), 294 – 296 2) Masood K. and Zaman F. D., Initial inverse problem in a two-layer heat conduction model, Arabian J. for Sciences and Eng. <b>29</b> (1B) (2004), 3 – 12. 3) Goldstein RJ <i>et al</i> , Heat Transfer- a review of 2002 literature, International J. of Mass and heat transfer <b>48</b> (5) (2005), 819-927.
11	Item # 31 of Section 4.1	Fahd Al-Zayd, <i>Scott' s theorem and its applications in differential equations</i> , Senior Project, KSU, 2002 – 03.
12	Item # 29 of Section 4.1	1) Nasser-eddine Tatar, Blow up for the wave equation with a nonlinear dissipation of cubic convolution, <i>Appl. Math. Comput.</i> <b>148</b> (2004), no. 3, 759 – 771 2) Said-Houari S., <i>Etudes de l ' interaction entre un terme dissipatif et un terme d ' explosion pour un probleme hyperbolique</i> , Mater Thesis (2002) , Department of Mathematics, University of Annaba, Algeria
13	Item # 30 of Section 4.1	Wu S. T. and Tsai L. Y., Blow-up of solutions of some non-linear wave equations of Kirchhoff type with some dissipation, Nonlinear Analysis <b>65</b> (2006), 243-264
14	Technical Report # 242 KFUPM	Wazwaz A. M., Blow-up for solutions of some linear wave equations with mixed nonlinear boundary conditions, Appl. Math. Comput. <b>123</b> # 1 (2001), 133-140.
15	Item # 33 of Section 4.1	Fuca Li, Global existence and blow-up of solutions for a higher-order Kirchhoff-type equation with nonlinear dissipation, Applied Math

		Letters <b>17</b> (2004), 1409 – 1414
16	Item # 37 of Section 4.1	Shun-Tang Wu, Blow-up of solutions for an integro-differential equation with a nonlinear source, <i>EJDE Vol. 2006 # 45</i> (2006), 1-9.
17	Item # 39 of Section 4.1	1) Conti, Monica and Pata, Vittorino, Weakly dissipative semilinear equations for viscoelasticity, <i>Communications in Pure and applied Math</i> (2005) 2) Shun-Tang Wu, Blow-up of solutions for an integro-differential equation with a nonlinear source, <i>EJDE Vol. 2006 # 45</i> (2006), 1-9.
18	Item # 51 of Section 4.1	Shun-Tang Wu, Blow-up of solutions for an integro-differential equation with a nonlinear source, <i>EJDE Vol. 2006 # 45</i> (2006), 1-9.

## 5.2. Review citation

1	Item # 1 of Section 4.1	Lasiecka, Irena; Triggiani, Roberto Analyticity of thermo-elastic semigroups with free boundary conditions. <i>Ann. Scuola Norm. Sup. Pisa Cl. Sci. (4)</i> <b>27</b> no. 3-4, (1998), 457 – 482 Reviewer: Jaime E. Muñoz Rivera
2	Item # 2 of Section 4.1	Kirane, Mokhtar; Tatar, Nasser-eddine A nonexistence result to a Cauchy problem in nonlinear one dimensional thermoelasticity. <i>J. Math. Anal. Appl.</i> <b>254</b> (2001), no. 1, 71-86. Reviewer: Jaime E. Muñoz Rivera
3	Item # 3 Section 4.1	Liu, Fa-gui, Xiang; Ming-Seng; Li, Cai-Zhong, Classical solutions to heat conduction with finite of propagation guided by second sound, <i>Sichuan Daxue Xuebao</i> <b>38 # 6</b> (2001), 793–798.

## 6. Reviews and Refereeing

### 6.1. Reviews

- 1) Reviewer for The American Mathematical Society since 2000
- 2) Reviewer for The Zentrallblatt, 2004-2006

### 6.2 Refereeing

- 1) The Arab Journal of Mathematics (KSU)
- 2) The Arabian Journal of Science and Engineering (KFUPM)
- 3) The Punjab University Journal of Mathematics (Pakistan)
- 4) The Electronic J. Differential Equations (USA)
- 5) Journal of Math. Analysis and Applications (USA)
- 6) Applied and Abstract Analysis (USA)
- 7) Monatshefte fuer Mathematik (Germany)
- 8) The International Conference: 2004 – Dynamical Syst. Appl. (Turkey)
- 9) The UAE Math Day Proceedings (2004)
- 10) The Int. J. Math. Edu. Sci. Tech. (U.K.)
- 11) Journal of Nonlinear Analysis (USA)
- 12) SIAM Journal Control. Optim (USA)
- 13) J. Inequalities and applications (USA)

### 6.3 Book Proof-Reading

- 1) Introduction to Topology, by G. Mossa, ZPU, Jordan (Summer 2000)
- 2) Applied Functional Analysis, by A. Sidiqi, KFUM (Summer 2004)

## 7. Visits / Seminars

7.1. Attending the weekly department Colloquium with one presentation, at least, each year.

### 7.2. Seminars outside Department

Date	Title	Location
24 / 11/ 1999	Blow up in a nonlinearly damped wave equation	The American University, Sharjah, UAE
Fall 1999	Wave-Like Heat Propagation	Physics Department KFUPM
5 / 11/ 2001	Long time behavior of solutions to a system of heat propagation with second sound	Math. Dept., Konstanz University, Germany
9 / 11/ 2001	Blow up in thermoelasticity with second sound	Math. Dept., Konstanz University, Germany
Oct 5, 2003	On wave propagation	Physics Department, KFUPM
Oct 5, 2004	On Multi-variable Separable Functions	Math. Dpt., Zarka Private University, Jordan
Dec. 15, 2004	Exponential Decay for the solution of a viscoelastic equation	Math Dept., UAEU
June 30, 2005	Decay of solution energy of some viscoelastic equations of hyperbolic type	Math. Dept, Metz, France
July 4, 2005	Decay of solution energy of some viscoelastic equations of hyperbolic type	Math. Dept., University of Setif, Algeria.
June 22, 2006	General Decay of Solutions in an Abstract integro-differential Equation	Math. Dept., University of Le Havre, France

### 7.3. Visits

University	Location	Period of visit
Math Research Center	Madison, Wisconsin	Summers 1988 & 1989
Institute of Applied & computational Math	Crete, Greece	5 weeks, Summer 98
Zarka Private University	Zarka, Jordan	Two months, Summer 2000
University of Konstanz	Konstanz, Germany	Nov. 4 – 11, 2001
University of Metz	Metz, France	June 20-July 19, 2005

## 8. Short courses & Workshops Attended :

Date	Activity	Place
Summer 1996	Short course in Unix	ZPU, Jordan
Fall 1997	Short course in Effective Teaching	Mech. Dept., KFUPM
Spring 1998	Workshop on Numerical Analysis	Math. Dept., KFUPM
Fall 1999	Workshop on Teaching: Incorporating projects	KFUPM
Fall 1999	Workshop on Algebra and Applications	Math Dept. KFUPM
Fall 2000	Workshop on Teaching, Learning, Curriculum and Assessment, KFUPM	KFUPM

Fall 2000	First Prep-Year Instructor Workshop	Math Dept. KFUPM
Fall 2001	Second Prep-Year Instructor Workshop	Math Dept. KFUPM
Spring 2001	Workshop on Students learning	KFUPM
Fall 2002	Workshop on WebCT	KFUPM
Fall 2003	Workshop on Critical Thinking	KFUPM
Fall 2003	Workshop on Introduction to outcome-Based program and course assessment	KFUPM
Spring 2003	Workshop on MatLab	Math. Dept, KFUPM

## 9. Committees

1990 – 93	Member of the Scientific council, University of Biskra, Algeria
1997 – 98	Analysis Group (Member) Applied Math Group (Member) Department Library Committee (Member) Add hoc committees: Graduate program & Textbooks (Chairman / member)
1998 – 99	Analysis Group (Member) Applied Math Group (Member) Department Search Committee (Member) Add hoc committees: Graduate program & Textbooks (Chairman / member)
1999 – 00	Analysis Group (Member) Applied Math Group (Member) Department Search Committee (Member) Add hoc committees: Graduate program & Textbooks (Chairman / member)
2000- 01	Department Advisory committee (Member) Department M.Sc. Program Subcommittee (Chairman) Preparatory-year Syllabus monitoring committee (Chairman) Preparatory-year Planning and development Group (Member) Preparatory-year Exam Committee (Member) Analysis Group (Member) Applied Math Group (Member) College Ad-hoc Committee for relation prep-year math. And the Mathematical Sciences department Add hoc committees: Graduate program & Textbooks (Chairman / member)
2001 – 02	Department Advisory committee (Member) Department M. Sc. Program Subcommittee (Chairman) Analysis Group (Member) Applied Math Group (Member)
2002 -03	Department Advisory committee (Member) Department Research committee (Chairman) Department M.S. Program Subcommittee (Chairman) Analysis Group (Member) Applied Math Group (Member) College Organizing Committee for Workshop for Industrial Math

	(Member) Department Evaluation Committee (Member). University Housing Committee (Member)
2003 – 04	Department Advisory committee (Member) Department Research committee (Chairman) Graduate Committee (Member) Analysis Group (Member) Applied Math Group (Member) College Organizing Committee for Workshop for Industrial Math (Member) Prerequisite Ad-hoc Committee (Member). College Research committee (Member) Office Assignment regulations Ad-hoc committee (Chairman) Department Promotion Ad-hoc Committee (Member) University Promotion Ad-hoc Committee (Member) College Research Award Ad-hoc committee (Member) Department Rating Journal Ad-hoc committee (Member)
2004 -05	University Research Committee Department Advisory committee (Member) Department Research committee (Chairman) Ad Hoc Committee on Program Self-Assessment (Member) Analysis Group (Member) Applied Math Group (Member) Ad Hoc Committee on measure & Targets for College Plan Ad Hoc Committee on Choice of two Graduate textbooks
2005-06	University Graduate Council (Member) Department Arabic Book Translation (Member) Department Planning committee (Member) Department Research committee (Chairman) Ad Hoc Committee on Program Self-Assessment (Member) Analysis Group (Member) Applied Math Group (Member)
2006-07	University Graduate Council (Member) University Arabic Book Translation (Member) Department Planning committee (Member) Department Research committee (Chairman) Olympiad Scientific Committee (Member) Analysis Group (Member) Applied Math Group (Member) 2 Department Promotion committees (Member) 2 University Promotion committees (Chair/Member) University Ad-Hoc committee for Research Medal guidelines (Member)

## **10. Languages**

Arabic – English – French