

# CURRICULUM VITAE

**Abdelaziz Soufyane**

*Department of mathematics*

*University of Sharjah, UAE.*

## PERSONAL DATA

**Last Name:** Soufyane

**First Name:** Abdelaziz

**Marital status:** Married

**Citizenship:** French and Moroccan

## EDUCATION

- 1999      **Ph.D., Mathematics and its applications, University of Franche Comte, Besancon, France**
- 1994      **M.Sc., Mathematics and its applications, University of Franche Comte, Besancon, France**
- 1993      **Bachelor, Applied Mathematics, University Mohamed V, Rabat, Morocco**

## ACADEMIC EXPERIENCE

*December 2018- Now:* **Deputy Director** for office of international relations, University of Sharjah, UAE

*2016- Now:* **Professor and Chair**, Department of Mathematics, College of Sciences, University of Sharjah, Sharjah, UAE.

*2015-2016 :* **Professor and Director of Quality Assurance Unit**, AL HOSN University, Abu Dhabi, UAE.

*Summer 2015:* **Acting Vice Chancellor for Academic Affairs**, AL HOSN University, Abu Dhabi, UAE.

*2014-2015:* **Professor and Chair**, Mathematics and natural sciences department, Faculty of Engineering & Applied Sciences, AL HOSN University, Abu Dhabi, UAE.

*2013- 2014:* **Associate Professor**, Department of Mathematics, University of Sharjah, UAE.

*2012-2013:* **Professor and Chair**, Mathematics and natural sciences department, Faculty of Engineering & Applied Sciences, AL HOSN University, Abu Dhabi, UAE.

*2011-2012:* **Director** of the University general requirements (UGR), AL HOSN University, Abu Dhabi, UAE.

*2009- 2011: **Coordinator of Mathematics Unit**, Faculty of Engineering & Applied Sciences, AL HOSN University, Abu Dhabi, UAE.*

*2007-2011: **Associate Professor**, Faculty of Engineering & Applied Sciences, AL HOSN University, Abu Dhabi, UAE.*

*2006-2007: **Assistant Professor**, Faculty of Engineering & Applied Sciences, AL HOSN University, Abu Dhabi, UAE.*

*2001–2006: **Assistant Professor**, Department of Mathematics, College of Science, UAE University.*

*1999-2001: **Research Engineer**, National center for Scientific research (CNRS), Besancon, France.*

*1998–1999: **Lecturer, University of Franche Comte**, Besancon, France*

### Undergraduate Courses Taught

- Operations research I
- Graduate project.
- Mathematics for Engineers.
- Calculus I for Sci.
- Partial Differential Equations.
- Differential equations for Engineers.
- Calculus III.
- Calculus I for Engineering.
- Calculus II for Engineering.
- Calculus III for Engineering.
- Numerical Analysis I.
- Analytical Methods for Nuclear Engineers.
- Mathematics (For Urban Planning and Interior Design).
- Algebra for Business.
- Calculus for Business.
- Matrix Algebra for Engineers.
- Mathematics for teachers I.
- Mathematics for teachers II.
- Statistics for Business.
- Introduction to Statistics.
- Statistics for Engineering.
- Modern Control Theory and Applications.
- Advanced Calculus.
- Mathematical Modeling.
- Introduction to Linear Algebra and Ordinary Differential Equations.
- Linear Algebra 1.
- Set theory.

- Ordinary differential equations.

### Senior Project

- Senior Project, Mathematics Department, University of Sharjah, Fall semester, 2017.
- Senior Project, Mathematics Department, United Arab Emirates University, Spring semester , 2005.
- Senior Project, Mathematics Department, United Arab Emirates University, Fall semester , 2003.

### Training of Students

- Mathematics Department, United Arab Emirates University, Winter 2003 (Cities: Al Ain, Sharjah, Ajman).
- Mathematics Department, United Arab Emirates University, Summer 2005 (Cities: Sharjah, Ajman , Ras Al Khaimah).

### Thesis Committee ( President of the Jury)

<b>Student name</b>	<b>Degree / Year</b>	<b>Department / University</b>
Ms. Maya Bassam	Ph.D. December 2014	Math Department. / Univ. of Valenciennes, France.

## RESEARCH AND SCHOLARSHIP

### **Areas of research interest:**

- Partial Differential Equations (P.D.E) of Hyperbolic Type;
- Integro-Differential Equations;
- Partial Differential Equations (P.D.E) of Parabolic Type;
- Partial Differential Equations (P.D.E) of Mixed Type;
- Control Theory;
- Numerical analysis;
- Optimal control;
- Modeling of surface acoustic waves;
- Applied optimization Problem.

### Postdoctoral Experience

1999 - 2001: **Research Engineer:** CNRS and Thomson Microsonics Company, LPMX, Besancon, France.

**Subject:** Modeling of Surface Acoustic waves using Finite Element (FEM) and Boundary Element (BEM).

### Research grants

1. **Co-Investigator:** Use of Bioinformatics and Engineering Mathematics followed by Biological in vitro and in vivo validation to decipher the molecular mechanism of COVID-19 infection of the respiratory tract. AED 210,000, 2020-2021. **Funded, University of Sharjah.**

2. **Principal Investigator.** "Burgers as turbulence model: Domain decomposition modeling of the Burgers equation with local perturbation and global control", AED 37,000, 2018-2020, **Funded, University of Sharjah.**
3. **Member of research group** (Modeling Analysis of Evolutionary Phenomena) , **University of Sharjah, 2018 - Now.**
4. **Member of research group** (Autonomous Robotics and active vision), **University of Sharjah, 2017 - Now.**
5. **Co- Investigator:** "Development of Conceptual and Physically based Rainfall-Runoff Models for selected arid ungagged basins of United Arab Emirates", AED 80,000, 2018-2020. **Funded, University of Sharjah.**
6. **Principal Investigator:** "Stabilization of a linear Systems", AED 13,000, **2001-2002, Funded, United Arab Emirates University.**
7. **CO- Principal Investigator:** "Controllability of a linear Functional Differential Equation", AED 15,000, 2002-2003, **Funded, United Arab Emirates University.**
8. **CO- Principal Investigator:** "Modeling and measurement of interferences for Wireless LAN at UAE University", AED 16,800, 2002-2003, **Funded. United Arab Emirates University.**

### PUBLICATIONS

- **Articles published in refereed journals**

- **a- Control and Stabilization of Coupled systems**

- [1]. F. Gazzola and **A. Soufyane.** Long-time behavior of partially damped systems modeling degenerate plates with piers. Accepted in **Nonlinearity**, August, 2021.
- [2]. T. Apalara, **A. Soufyane**, M. Afilal, M. Alahyane : A General stability result for swelling porous elastic media with nonlinear damping. Accepted in **Applicable Analysis**, September, 2021.
- [3]. Afilal, M., Alahyane M. and **Soufyane, A.** Uniform decay rates of a coupled suspension bridges with temperatures. Accepted in **Arabian Journal of Mathematics**, September 2021.
- [4]. B. Feng, D.S. Almeida Junior, M. Afilal , and **A. Soufyane.** The optimal decay rates for viscoelastic Timoshenko type system in the light of the second spectrum of frequency. *Z. Angew. Math. Phys.* **72**, 147 (2021). <https://doi.org/10.1007/s00033-021-01574-y>
- [5]. M. Afilal, **A. Soufyane** & A. Radid: New decay rates for Cauchy problem of the Bresse system in Thermoelasticity type III. **Applicable Analysis**, Vol.100, No.14, (2021), 2911–2926 <https://doi.org/10.1080/00036811.2019.1699654>
- [6]. **Soufyane, A.**, Afilal, M. & Santos, M.L. Energy decay for a weakly nonlinear damped piezoelectric beams with magnetic effects and a nonlinear delay term. *Z. Angew. Math. Phys.* **72**, 166 (2021). <https://doi.org/10.1007/s00033-021-01593-9>
- [7]. M. Afilal, A. Guesmia and **A. Soufyane:** New stability results for a linear thermoelastic Bresse system with second sound. **Appl Math Optim** (2021). , 83(2), pp. 699–738.
- [8]. M. Afilal, B. Feng and **A. Soufyane:** Optimal decay rates of a nonlinear suspension bridge with memories. 2021, **Math. Meth. Appl. Sci.** <https://doi.org/10.1002/mma.7616>

- [9]. T. Apalara and **A. Soufyane**. Energy decay for a weakly nonlinear damped porous system with a nonlinear delay. **Applicable Analysis**, April 2021, <https://doi.org/10.1080/00036811.2021.1919642>
- [10]. D.S. Almeida Junior, A.J.A. Ramos, **A. Soufyane**, M.L. Cardoso and M.L. Santos. Issues related to the second spectrum, Ostrogradsky's energy and the stabilization of Timoshenko–Ehrenfest-type systems. **Acta Mechanica**, 2020. <https://doi.org/10.1007/s00707-020-02730-7>.
- [11]. M. Afilal, B. Feng and **A. Soufyane**: New decay rates for Cauchy problem of Timoshenko thermoelastic systems with past history: Cattaneo and Fourier law. **Math. Meth. Appl. Sci.** 2020, <https://doi.org/10.1002/mma.6579>
- [12]. B. Feng and **A. Soufyane**: Memory-type boundary control of a laminated Timoshenko beam. **Mathematics and Mechanics of Solids**, Volume 25 Issue 8, August 2020, pp. 1568–1588
- [13]. B. Feng & **A. Soufyane**: Existence and decay rates for a coupled Balakrishnan-Taylor viscoelastic system with dynamic boundary conditions. **Math. Meth. Appl. Sci.** **43** (6), **3375-3391**, (2020) .
- [14]. B. Feng & **A. Soufyane**: Optimal decay rates of a nonlinear time-delayed viscoelastic wave equation. **Differential and Integral Equations**, vol **33**, Number  $\frac{1}{2}$ , **43-65**, 2020.
- [15]. B. Feng & **A. Soufyane**: New general decay results for a Von Karman plate equation with memory type boundary conditions. **Discrete and continuous dynamical systems-A**, Vol **40** (3), **1787-1774**, 2020.
- [16]. M. Afilal, A. Guesmia, **A. Soufyane**, and M. Zahri: On the exponential and polynomial stability for a linear Bresse system. **Math. Meth. Appl. Sci.** **Vol 43, Issue 5**, March (2020), 2626-2645.
- [17]. A. Bchatnia, S. Chebbi, M. Hamouda & **A. Soufyane**: Lower Bound and optimality for a nonlinearly damped Timoshenko system with thermoelasticity. **Asymptotic Analysis** vol. 114, no. 1-2, pp. 73-91, (2019)
- [18]. M. afilal & **A. Soufyane**: General decay for a porous thermoelastic system with a memory. **Applicable Analysis**, **Applicable Analysis**, Vol 98, Issue 3, (2019).
- [19]. M. Afilal, S. Messaoudi & **A. Soufyane**: Stabilization of a coupled hyperbolic equations with a heat equation with second sound. **Mediterr. J. Math.** 14- 39, (2017).
- [20]. A. Guesmia & **A. Soufyane**: On the stability of Timoshenko-type systems with internal frictional dampings and discrete time delays. **Applicable Analysis**, , 2075-2101, volume 96, Issue 12, (2017).
- [21]. M. Afilal, T. Merabtene, K. Rhofir & **A. Soufyane**: Decay rates of the solution of the Cauchy thermoelastic Bresse system. **Z. Angew. Math. Phys.** 67-119, 2016.
- [22]. M. L. Santos, **A. Soufyane** & D. S. A. Júnior: Exponential and polynomial decay to Bresse system with past history. **Quart. Appl. Math.** **73**, 23-54, 2015.
- [23]. S-H Belkacem & **A. Soufyane**: The Bresse system in thermoelasticity. **Math. Meth. Appl. Sci.**, Vol 38, Issue 17, 3642-3652, 2015.
- [24]. **A. Soufyane** & S-H Belkacem: The effect of the wave speeds and the frictional damping terms on the decay rate of the Bresse system. **Evolution Equations and Control Theory**, Vol. 3, Issue 4, 713 - 738, 2014.
- [25]. M. Chacha, N. Hassan & **A. Soufyane**: Porous Thermoelasticity with Applications. **Encyclopedia of Thermal Stresses Springer**, 2014. 'Book chapter'.

- [26]. M. Afilal & **A. Soufyane**: Polynomial stability of Timoshenko-type system of Thermo-elasticity of type III using Frequency Domain Approach. **Dynamic Systems and Applications** 23,15-30, **2014**.
- [27]. M. Aouadi & **A. Soufyane**: Decay of Timoshenko beam with thermal effect and memory boundary conditions. **Journal of Dynamical and Control Systems**, Vol 19, issue 1, 33-46, **2013**.
- [28]. S-H Belkacem & **A. Soufyane**: Stability result of the Timoshenko system with a delay and a boundary feedback. **IMA J. Math. Control & Information** 29(3): 383-398, **2012**.
- [29]. J. E. Munoz Rivera, **A. Soufyane** & M.L. Santos: General decay for full von Karman system with memory. **Nonlinear Analysis: Real World Applications**, 13, Issue 6, 2633-2647, **2012**.
- [30]. A. Guessmia, S. Messaoudi & **A. Soufyane**: On the stabilization for linear Timoshenko system with infinite history and applications to the heat-Timoshenko systems. **Electron. J. Diff. Equ.**, Vol. 2012, No. 193, pp. 1-45, **2012**.
- [31]. M. L. Santos & **A. Soufyane**: General Decay to a van Karman plate system with memory boundary conditions. **Differential and Integral Equations**, Volume 24, Numbers 1-2, 69-81, **2011**.
- [32]. M. Afilal & **A. Soufyane**: General Decay Estimates for Second Order Evolution Equations. Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis, 18, 41-52, **2011**.
- [33]. S. Messaoudi & **A. Soufyane**: General decay of solutions of a wave equation with a boundary control of memory type. **Nonlinear Analysis: Real World Applications**, 11, Issue 4, 2896-2904, **2010**.
- [34]. **A. Soufyane**, M. Afilal, T. Aouam & M. Chacha: General decay of solutions of a linear one-dimensional porous-thermo-elasticity system with a boundary control of memory type. **Nonlinear Analysis Series A: Theory, Methods and Applications**, 7, 3903-3910, **2010**. M. Aouadi & **A. Soufyane**: Polynomial and exponential stability for one-dimensional problem in thermo-elastic diffusion theory. **Applicable Analysis**, Volume 89, Number 6 , 935-948, **2010**.
- [35]. **A. Soufyane**: Exponential stability of the linearized nonuniform Timoshenko beam. **Nonlinear Analysis: Real World Applications** 10, 1016–1020, **2009**.
- [36]. **A. Soufyane**, M. Afilal & T. Aouam: General decay of solutions of nonlinear Timoshenko systems with a boundary control of memory type. **Differential and Integral Equations**, 22, 1125-1139, **2009**.
- [37]. **A. Soufyane**, M. Afilal & M. Chacha: Boundary Stabilization of Memory Type for the Porous-Thermo-Elasticity System. **Abstract and Applied Analysis**, 17 pages, **2009**.
- [38]. **A. Soufyane**: Energy decay for Porous-Thermo-Elasticity systems of memory type. **Applicable Analysis**, Volume 87, Issue 4, 451-463, **2008**.
- [39]. S. A. Messaoudi & **A. Soufyane**: Boundary stabilization of memory type in thermoelasticity of type III. **Applicable Analysis**, Volume 87, Issue 1, 13-28, **2008**.
- [40]. S. A. Messaoudi & **A. Soufyane**: Boundary stabilization of solutions of a nonlinear system of Timoshenko type. **Nonlinear Analysis Series A: Theory, Methods and Applications**, Vol 67, 2107-2121, **2007**.
- [41]. F. Ammar Khodja, S. Kerbal and **A. Soufyane**: Stabilization of The Nonuniform Timoshenko. **Journal of Mathematical Analysis and Applications**, Vol 327 (1), 525-538, **2007**.

- [42]. **A. Soufyane** & M. Boulmalf: Solution of Linear and Nonlinear Parabolic Equations by the decomposition method. **Applied Mathematics & Computation**. Vol 162 (2) , 687-693, **2005**.
- [43]. **A. Soufyane** & A. Wehbe: Uniform stabilization for the Timoshenko beam by a locally distributed damping, **Electron. Journal of Diff. Eqns.**, Vol 29, 1-14, **2003**.
- [44]. **A. Soufyane**: Uniform stability of coupled second order equations. **Electron. Journal of Diff. Eqns**, Vol 25, 1-10, **2001**.
- [45]. A. Benabdallah & **A. Soufyane**: Uniform stability and stabilization of linear thermoelastic systems. **Journal of Dynamical and Control Systems**, 543-560, **2000**.
- [46]. **A. Soufyane**: Stabilisation de la poutre de Timoshenko. **Comptes Rendues Mathematiques**, tome 328, serie I, 731-734, **1999**.

#### **b- Surface Acoustic waves**

- [47]. S. Ballandras, T. Pastureaud, A. Reinhart, V. Laude, **A. Soufyane**, S. Camou, W. Steichen, W. Daniau, R. Lardat, M. Solal, and P. Ventura: Simulations of SAW devices built on stratified media using a mixed finite element/boundary integral formulation. **Journal of Applied Physics**, Vol 96, 7731-7741, **2004**.
- [48]. S. Ballandras and M. Wilm and P.-F. Edoa and **A. Soufyane** and V. Laude and W. Steichen and R. Lardat: Finite element analysis of periodic piezoelectric transducers. **Journal of Applied Physics**, Vol 93, 702-711, **2003**.
- [49]. F. Semond, D. Schenck, M. Jibard, S. Camou, T. Pastureaud, **A. Soufyane** and S. Ballandras. Heteroepitaxy of AlN and GaN thin films on Silicon or Sapphire for the development of high frequency SAW devices. **Journal of. Ann. Chim. Sci. Mat**, 177-182, **2001**.

#### **c- Applied optimization**

- [50]. T Aouam, A. Diabat, M. Boulmalf & **A. Soufyane**. Linear Incentive Contracts for Natural Gas LDC Regulation. **Int. J. of Applied Decision Sciences**- Vol. 2, No.1, 57 – 73, **2009**.

- **Submitted papers**

- [51]. M. Afilal, A. Guesmia, **A. Soufyane**: Energy decay rate of a linear thermoelastic Bresse system with second sound.
- [52]. B. Feng, S. Messaoudi. **A. Soufyane**, M. Zahri: Optimal memory-type boundary control of Bresse system.
- [53]. M. Afilal, **A. Soufyane**, L.M. Santos: Piezoelectric Beams with Magnetic Effect and nonlinear Damping: General Stability.
- [54]. M. Afilal, **A. Soufyane**, L.M. Santos: Piezoelectric Beams with Magnetic Effect and Localized Damping.
- [55]. M. Afilal, **A. Soufyane**, A. Radid : Numerical and theoretical results about the stability of a thermoelastic-Bresse system with second sound.
- [56]. M. Afilal, B. Feng, **A. Soufyane**: Uniform stabilization for the transmission problem of the Timoshenko system with two memories.
- [57]. M. Alahyane, **A. Soufyane**, and M. Zahri. Numerical determination of an optimal control for a population dynamics model.
- [58]. D. S. Almeida Jr., A. J. A. Ramos, **A. Soufyane** and M. M. Freitas. The nonlinear approach for Timoshenko type system in the light of the second spectrum of frequency.

- [59]. M. Afilal, B. Feng, **A. Soufyane**: New general decay results for a multi-dimensional Bresse system with viscoelastic boundary conditions.
- [60]. D.A. Júnior, M. Freitas, A-J. A. Ramos, **A. Soufyane**, M. Cardoso, A. Campelo. Stabilization of Timoshenko-Ehrenfest type systems.

### Conference Presentations

- [61]. Stability of one-dimensional piezoelectric beams model with magnetic effects.. **Plenary Talk**, A3M'2021 Conference in Applied Mathematics and Mathematical Modeling. March 30-31, 2021, Echahid Hama Lakhdar University, Algeria.
- [62]. Uniform stability of piezoelectric beams with magnetic effects. **Plenary Talk**, the 5th Workshop: Recent Developments in PDEs and Applications. January 27-28, 2021, KFUPM, KSA.
- [63]. Some recent results for the one-dimensional suspension Bridges Model. **Plenary Talk**, Second International congress on research in applied mathematics and computer science (Online conference) July 15-18, 2020, Casablanca, Morocco.
- [64]. Memory-type boundary control of a laminated Timoshenko beam. The Third International Conference on Mathematics and Statistics, American University of Sharjah, 6-9 Feb. 2020.
- [65]. Stability of some coupled partial differential equations in both bounded and unbounded domains, Thursday, September 12, 2019, Politecnico Milano, Italy.
- [66]. Control and Stability of systems governed by partial differential Equations in both bounded and unbounded domain. **Plenary Talk**, First International congress on research in applied mathematics and computer science (ICRAMCS), March 29-30, 2019, Casablanca, Morocco.
- [67]. Energy decay for a weakly nonlinear damped porous system with nonlinear delay. International congress on research in applied mathematics and computer science (ICRAMCS), March 29-30, 2019, Casablanca, Morocco.
- [68]. New stability results for a linear thermoelastic Bresse system with second sound. 17<sup>th</sup> UAE Mathematics Day, American University of Sharjah, March 2019.
- [69]. Recent stability results for the linear thermoelastic Bresse system. **Plenary Talk**, Third spring school on Numerical Methods for Partial Differential Equations, April 16-20, Tetouan, Morocco, 2018.
- [70]. Stabilization of a coupled hyperbolic equations with a heat equation with second sound. 15<sup>th</sup> UAE Mathematics Day, University of Sharjah, March 2017.
- [71]. The effect of the wave speeds and the frictional damping terms on the decay rate of the Bresse system. Workshop on Nonlocal operators, Morocco, 27-30 April, 2015.
- [72]. Bresse system in thermoelasticity. UAE Math day, March 2015, Abu Dhabi, UAE.
- [73]. Stability of Bresse system with infinite memory damping. UAE Math day, April 2014, Dubai, UAE.
- [74]. Decay of solutions of a coupled equations with a boundary feedback of memory type. The International Meeting on Applied Mathematics in Errachidia, Morocco, April 23-26, 2012.
- [75]. General Decay to a van Karman plate system with memory boundary conditions. The First Int'l Conference on Mathematics and Statistics (AUS-ICMS'10), American University of Sharjah, March 18-20, 2010.

- [76]. General decay of solutions of a wave equation with a boundary control of memory type. International Conference on Partial Differential Equations, Poitiers, France, February 18-20, 2010.
- [77]. General decay of solutions of nonlinear Timoshenko systems with a boundary control of memory type.  $T=\infty$  Evolution Equations and Dynamical Systems, Tunisia March 23 -27, 2009.
- [78]. Energy decay for Porous-Thermo-Elasticity systems of memory type. Sixth UAE, Math-day, Abu Dhabi, April 26<sup>th</sup>, 2008.
- [79]. Boundary stabilization of memory type in thermo-elasticity of type III, International conf. PICO, Marrakech, Morocco, April 2008
- [80]. Nonlinear Frictional damping for the linearized non-uniform Timoshenko systems. The third UAEU International Conference of Mathematical Sciences, 2008.
- [81]. Energy decay for Porous-Thermo-Elasticity systems of memory type. UAE Math Day 2007.
- [82]. Boundary stabilization of memory type in thermoelasticity of type III. Second international, ICMSAO-07, Abu Dhabi, 2007.
- [83]. Stabilization of The Nonuniform Timoshenko. Fourth UAEMath Day, Al Ain, 2006.
- [84]. Uniform stability of a partially coupled Timoshenko Heat equation in one dimension. The 2<sup>nd</sup> UAEU International Conference of Mathematical Sciences, Al Ain, January 2005.
- [85]. Measured Throughput and SNR of IEEE 802.11g in a Small Enterprise Environment, the IEEE 61st Semiannual Vehicular Technology Conference (VTC2005), May 30 - June 1, 2005, Stockholm, Sweden.
- [86]. The Uniform stabilization of the non-uniform Timoshenko beam. International Conference, Dynamical Systems and Applications, Antalya, July 5-10, 2004.
- [87]. Boundary and local stabilization of the Timoshenko beam. WSEAS Int. Conf. on Electronics, Control & Signal Processing. Singapore, December 9-12, 2002
- [88]. Stabilization of the simulation of SAW devices on stratified structures: Application for transverse Plate Mode Resonators. Frequency Control and PDA Exhibition, 6-8 June, Seattle, 2001.
- [89]. Mixed finite element/ boundary element computations of 2D and 3D piezoelectric transducers radiating in fluids. Medical ultrasonic transducers, August 15-17, Pennsylvania state university, 2001.
- [90]. A full 3D Plane-Wave-Expansion model for the simulation of piezo-composite materials. Medical ultrasonic transducers, August 15-17, Pennsylvania state university, 2001.
- [91]. Excitation of acoustic wave under periodic Metal Gratings Deposited on AlN/Si substrate. Material congres 2000, Cirencester, Gloucestershire, UK, April 2000.
- [92]. Uniform stability of coupled second order equations. International congres NSF-CBMS-Mathematical Control Theory of Coupled Systems of Partial Differential Equations at Lincoln(U.S.A), August 1999.

- [VISITS](#)

One week, september 2019, Poletecnico Milano, Italy.

One week, April 2014, KFUPM, KSA.

One Month, Summer 2004, CNRS-LPMX, Besancon, France.

Two Weeks, July 2004, Konstanz University, Germany.  
One Week, July 2003, Konstanz University, Germany.  
One Month, Summer 2002, CNRS-LPMX, Besancon, France.

- **PROFESSIONAL ACTIVITIES**

- Member of the scientific committee for the third international congress on research in applied mathematics and computer science (ICRAMCS), March 26-27, 2021, Casablanca, Morocco.
- Member of the Editorial Board of the International Journal of Applied Physics and Mathematics (IJAPM) <http://www.ijapm.org/>
- Member of the University Committee for International Relations and Rankings.
- Member of the Scientific committee for Sharjah International Conference on Physics of advanced materials, March 23-26, 2020, University of Sharjah. (Postponed Due to COVID-19).
- Member of the organizing committee for Third Sharjah International Spring school in Math, April 11-12, 2020, University of Sharjah. (Postponed Due to COVID-19).
- Member of the organizing committee for Second Sharjah International Spring school in Mathematics, March 24-25, 2019, University of Sharjah.
- Member of the Scientific committee for First Sharjah International Conference in Particle Physics, November 11-13, 2018, University of Sharjah.
- Member of the organizing committee for First Sharjah International Spring school in Mathematics, March 25-27, 2018, University of Sharjah.
- Member of the technical program committee, International conference on Mathematics computational Sciences and Engineering. July 27-28, 2017. Japan. <http://www.icmcse.opensociety.org/icmcse/>
- Member of the organizing committee for the 9<sup>th</sup> international conference on Thermal Engineering: Theory and Applications, 2016. <http://www.ictea.ca/>
- Member of the Advisory and Scientific Board of the Conference: 4<sup>th</sup> international conference: Mathematics and its applications, 2015. <http://www.adu.ac.ae/en-us/icmsa2015.aspx>

- Member of the organizing committee for the LICMA'15 international conference on mathematics and applications, Labanese University, Beirut 26-29 May 2015.
- Editorial Board Member of ALHOSN University Journal of Engineering and Applied Sciences. (2008-2011).
- Referee of papers for Complexity Journal.
- Referee of papers for IEEE.
- Referee of papers for Journal of Applied Mathematics Letters.
- Referee of papers for Journal of Applied Mathematics and Computing.
- Referee of papers for Electronic J. Differential Equations.
- Referee of papers for Journal of Math. Analysis and Applications.
- Referee of papers for Journal of Applied Math and Computations.
- Referee of papers for Journal of Applicable Analysis.
- Member of Research Group in Mathematical Inequalities and Applications.
- Research evaluator of funded project from King Fahd of Petroleum and Minerals, KSA.
- Member of the organizing committee for the Sixth UAE-Math Day, Petroleum Institute.
- Member of the organizing committee for the Fourth UAE-Math Day, UAEU.
- Member of the Scientific committee of the 2<sup>nd</sup> ICMA2004 (the 2<sup>nd</sup> UAEU International Conference of Mathematical Sciences). Al Ain, UAE-University.
- Member of the organizing committee for the 2<sup>nd</sup> UAEU Math Day.

#### • COMMITTEES MEMBERSHIP

I am serving/served as a member of the following:

- Member of **University** committee for international relations and ranking, University of Sharjah (2018- Now).
- Member of **University** Ad-Hoc committee to prepare Initial accreditation for the interdisciplinary MSc program Biomedical and health informatics, University of Sharjah (2018-2019).
- Member of **University** committee of Interdisciplinary Biomedical Engineering, Research, University of Sharjah (2017-2018).
- Member of **University** committee to prepare Initial accreditation for the interdisciplinary MSc program Biomedical Engineering, University of Sharjah (2017-2018).
- Member of **College** Promotion committee, University of Sharjah (2016-Now).
- Member of **College** Recruitment committee, University of Sharjah (2016-Now).
- Member of **College** council, University of Sharjah (2016-Now).
- Member of Department Ad-Hoc committee to prepare Initial accreditation for the Applied Mathematics MSc program, University of Sharjah (2020-2021).
- Member of Employment committee, Department of Mathematics, University of Sharjah (2016-Now).
- Member of Conference and workshop Committee, Department of Mathematics, University of Sharjah (2016-Now).
- Member of Accreditation and Academic Plans Committee, Department of Mathematics , University of Sharjah (2016-Now).

- Member of European Mathematical society (2012-2014).
- Member of Faculty affairs and Promotion committee, ALHOSN University (2014-2015).
- Member of teaching schedule committee, Department of Mathematics, University of Sharjah (2013-2014).
- Member of placement exam committee, Department of Mathematics, University of Sharjah (2013-2014).
- Member of Examinations committee, Department of Mathematics, University of Sharjah (2013-2014).
- Member of Curriculum committee, ALHOSN University (2011-2013).
- Member of Research committee, ALHOSN University (2008-2011).
- Member of Research & Faculty Affairs committee, ALHOSN University (2006-2008).
- Member of Curriculum committee, ALHOSN University (2006-2007).
- Member of graduation committee, ALHOSN University (2008-2009).
- Member of Exam committee, ALHOSN University (2007-2010).
- Member of Student Affairs Committee, ALHOSN University (2007-2008).
- Coordinator for Students advising committee, Department of Mathematics, UAE-University (2004-2006).
- Member of Alumni committee, Faculty of Science, UAE-University (2005-2006).
- Member of Graduate Studies and Scientific Research Committee, Department Mathematics, UAE-University (2004-2005).
- Member of Academic Outcomes committee, Department of Mathematics, UAE-University (2004-2005).

- **AWARDS**

1994-1999: Teaching and Research Assistantship (University Franche Comte, France).

1994-1999: Moroccan government Scholarship for graduate studies abroad.

- **COMPUTER SKILLS**

Fortran 90, Matlab, Mathematica, Maple, Microsoft office, Latex, Scientific Workplace.

- **Languages**

Arabic, English and French.