

## RESUME

Dr. Fahir Talay AKYILDIZ



### **Professor**

Department of Mathematics and Statistic  
Faculty of Science

Imam Muhammad ibn Saud Islamic University in Riyadh, Saudi Arabia

**FORMERLY**

**Professor** ,Department of Mathematics and Statistic  
Faculty of Science Botswana International University of Science and Technology,  
Botswana

**Professor**, Department of Mathematics, Faculty of Arts and Science, Department  
of Mathematics, Turkey

**Research Associate Professor**, Department of Mathematics, Faculty of Arts and  
Science, Petroleum Institute, **UAE**

**Visiting Associate Professor**, Department of mathematics, Faculty of Science,  
Northern Illinois University, **USA**

**Associate Professor**, Department of mathematics, Faculty of Arts and Science,  
Ondokuz Mayıs University, **TURKEY**

**Visiting Assistant Professor, Mechanical Engineering Department, Faculty of Engineering, University of Pittsburgh, USA**

**EDUCATIONAL BACKGROUND**

- o Ph.D. Applied Mathematics, University of Wales (UK).....1993
- o M.Sc. Pure Mathematics (Harmonic Analysis), Ondokuz Mayis University.....1988
- o B.Sc. With Honors, Mathematics, Ankara University.....1982

**ACADEMIC APPOINTMENTS & PROFESSIONAL EXPERIENCE**

- o Professor, Botswana International University of Science and Technology, Department of Mathematics, November , 2015-Present
- o Professor, Gaziantep University, Department of mathematics, Turkey, February , 2012-Present
- o Visiting Professor, Mathematical Institute, Czech Academy of Sciences, Prague, Czech Republic, October 1-15, 2011.
- o Reseach Associate Professor, Collage of Arts and Science, Department of Mathematics, Petroleum Institute, August 2008- November 2011.
- o Assistant and Associate Professor, Department of Mathematics, Faculty of Arts and Science, Ondokuz Mayis University, 1993-2008.
- o Visiting Associate Professor, Department of Mathematics, Faculty Science, Northern Illinois University, 2003-2004.
- o Visiting Scholar, Mechanical Engineering Department, University of Pittsburgh, 2001-2002
- o Visiting Professor, Department of Mathematics and Physical Science, University of Wales, Aberystwyth Campus, February 2007-March 2007.

**CURRICULUM DEVELOPMENT LEADERSHIP INITIATIVES AND FUNDING**

- o Developed *five new graduate courses* at Ondokuz Mayis University:
  - o Advanced Ordinary Differential Equation
  - o Advanced Partial Differential Equation
  - o Applied Functional Analysis
  - o Viscous flow and Rheology
  - o Analysis of Partial Differential Equations
  
- o Developed *five new graduate courses* at Gaziantep University:
  - o Advanced Ordinary Differential Equation
  - o Advanced Partial Differential Equation
  - o Numerical method For Ordinary Differential Equations
  - o Numerical methods for Partial Differential Equations
  - o Applied mathematical Methods

## TEACHING EXPERIENCE

- o Served as advisor to a total of thirteen M.S. and nine Ph.D. students.
- o Served on the Committees of 26 graduate students.
- o Advised a total of fifty-eight undergraduate senior design projects between 1994-Present.
- o Taught a career total of 50 different courses.
- o Developed *four new graduate courses* at Ondokuz Mayıs University; listed in the previous section.
- o Developed *five new graduate courses* at Gaziantep University; listed in the previous section.
- o Developed *a new undergraduate computer laboratory* and the related course at Ondokuz Mayıs University; listed in the previous section

## PROFESSIONAL COMMUNITY SERVICE

- o Reviewer for the following Journals
  - 1 Journal of Applied Mathematics
  - 2-Journal of Mathematical analysis and applications
  - 3-Applied Mathematics and Computation
  - 4-Mathematical Methods in the Applied Sciences
  - 5-Nonlinear Analysis: Real World Applications
  - 6- Applied Mechanics Reviews (ASME)
  - 7- Canadian Aeronautics and Space Journal
  - 8- Canadian Journal of Physics
  - 9- Chemical Engineering Communications
  - 10- Colloids and Surfaces A
  - 11- Computers & Fluids
  - 12-Computers & Mathematics with Applications
  - 13- Experimental Thermal and Fluid Science
  - 14- Heat and Mass Transfer ( formerly: Wärme-und Stoffübertragung)
  - 15- Fluid Dynamics and Materials Processing
  - 16- Industrial & Engineering Chemistry Research (American Chemical Society)
  - 17- Inverse Problems in Science & Engineering
  - 18 -International Journal of Engineering Science
  - 19 -International Journal of Heat and Mass Transfer
  - 20- International Journal of Multiphase Flow
  - 21- International Journal for Numerical Methods in Fluids
  - 22- Journal of Applied Mechanics (ASME)
  - 23- Journal of Applied Polymer Science
  - 24- Journal of Dynamic Systems Measurement and Control (ASME)
  - 25 Journal of Heat Transfer (ASME)
  - 26- Journal of Fluids Engineering (ASME)
  - 27- Journal of the Franklin Institute
  - 28- Journal of Non-Newtonian Fluid Mechanics
  - 29- Journal of Nanoscience and Nanotechnology

- 30- Journal of Physics D: Applied Physics
- 31- Journal of Porous Media
- 32-Physics of Fluids
- 33-Rheologica Acta
- 34- Science
- 35- Theoretical and Computational Fluid Dynamics

### **PROFESSIONAL MEETINGS ORGANIZED**

Co-organizer of international conference of Sampling Theory and Applications (SAMPTA) 2005

Scientific Committee Mathematical and Applications (Kosova) 2014

Scientific committee of International Conference-2010: The 6th Dynamical System and Applications, July 10-14

Co-organizer of UAE Math days 2011

### **INVITED SEMINARS & LECTURES**

**Keynote Lecture**, 6th International Conference on Dynamical Systems and Applications Antalya, Turkey, July 10-14... 2010

O Mechanical Engineering Department, University of Pittsburgh, January, 2001

O Department of Mathematics, University of Pittsburgh, February, 2001

O Department of mathematics, Petroleum Institute, 2008

O Department of mathematics, Northern Illinois University, 2004

O Many national universities, such as , Adiyaman, Ankara, Istanbul university

### **PUBLICATIONS**

#### **REFEREED JOURNAL PAPERS AND BOOK CHAPTERS**

##### **Article in Science Index:**

- 1- Fahir Talay **Akyildiz** and Dennis Siginer, A note on the steady flow of Newtonian fluids with pressure dependent viscosity in a rectangular duct, International Journal of Engineering Science, Volume 104, July 2016, Pages 1-4
- 2- Alip Mohammed, Dennis Siginer and F. Talay **Akyildiz**, Eigenvalues of holomorphic functions for the third-boundary condition with general coefficient, Quarterly Applied Mathematics 73 (2015), 553-574 (**impact factor: 0.593**)
- 3- F Talay **Akyildiz**, Dennis A. Siginer, FORCED CONVECTION HEAT TRANSFER IN CORRUGATED TUBES, accepted as publication in International Journal of Heat and Mass Transfer (**impact factor: 2.522**)
- 4- Fahir Talay **Akyildiz**, Salih Tatar and Suleyman Ulusoy, Existence and uniqueness for a nonlinear inverse reaction-diffusion problem with a nonlinear source in higher dimensions, Mathematical Methods in the Applied Sciences, Article first published online: 21 MAR 2013, DOI: 10.1002/mma.2765 (**impact factor: 0.877**)

- 5- Fahir Talay Akyildiz, Jiri Neustupa and Dennis Siginer, A Steady Weak Solution of the Equations of Motion of a Viscous Incompressible Fluid through Porous Media in a Domain with a Non-Compact Boundary, ACTA APPLICANDAE MATHEMATICAE Volume :119 Issue: 1. Pages: 23- 42 . DOI: 10.1007 /s10440-011-9659-x Published: JUN 2012. (**impact factor: 0.702**)
  
- 6- F. Talay Akyildiz, Dennis A. Siginer and K. Vajravelu, Natural Convection and heat transfer of Newtonian fluid in a vertical porous channels and second order nonlinear systems , Journal of Engineering Mathematics, pp. 1–11, 2011. (**impact factor: 1.069**)
  
- 7- M. Şahin, Necati Olgun and F. Talay Akyildiz, Generalized Caratheodory Extension Theorem on Fuzzy Measure Space, ABSTRACT AND APPLIED ANALYSIS Article Number: 260457 DOI: 10. 1155/ 2012/ 260457 Published: 2012. (**impact factor: 1.274**)
  
- 8- F. Talay Akyildiz, Dennis A. Siginer, Fully developed laminar slip and no-slip flow in rough microtubes , paper accepted by ZAMP (The Journal of Applied Mathematics and Physics), Zeitschrift fur Angewandte Mathematik und Physik, vol. 62, no. 4, pp. 741–748, 2011. (**impact factor: 1.214**)
  
- 9- F. Talay Akyildiz, Dennis A. Siginer, Discussion: "Effect of Corrugated Roughness on Developed Laminar Flow in Microtubes," (Duan, Z. and Muzychka, Y. M., 2008, ASME Trans. J. Fluids Eng., 130, p. 031102), JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol. 134, no. 8, August, 2012 (**impact factor: 0.939**)
  
- 10- F. Talay Akyildiz, Dennis A. Siginer, Huseyin Kaplan, Spectral Approximation for a Nonlinear Partial Differential Equation Arising in Thin Film Flow of a Non-Newtonian Fluid Communications in Nonlinear Science and Numerical Simulation, vol. 17, no. 1, pp. 35–44, 2012 (**impact factor: 2.659**)
  
- 11- F.T. Akyildiz, M.E. Koksal, N. Kaplan, Spectral approximation of an Oldroyd Liquid draining down a porous vertical surface, paper accepted by DDNS (Discrete Dynamics in Nature and Society), (2011) Article ID 285809, 19 pages doi:10.1155/2011/285809 , DDNS (Discrete Dynamics in Nature and Society). (**impact factor: 0.882**)
  
- 12- F Talay Akyildiz, Hamid Bellout, Kuppalapalle Vajravelu, Robert A. Van Gorder, Existence results for third order nonlinear boundary value problems arising in nano boundary layer fluid flows over stretching surfaces Original Research Article Nonlinear Analysis: Real World Applications, Nonlinear Analysis: Real World Applications, Volume 12, Issue 6, December 2011, Pages 2919-2930 (**impact factor: 2.338**)
  
- 13- F. Talay Akyildiz and Dennis A. Siginer, Forced Convection in Porous-Saturated Ducts of Rectangular, Journal of Porous media, Volume 14, Issue 1, 2011, Pages 81-90. (**impact factor: 0.467**)
  
- 14- F. Talay Akyildiz ,Dennis A. Siginer and Lyes Khezzer, ENERGY LOSSES AND HEAT TRANSFER ENHANCEMENT IN TRANSVERSALLY CORRUGATED PIPES

.International Journal of Heat and Mass Transfer, vol. 54, no. 15-16, pp. 3801-3806, 2011  
(**impact factor: 2.522**)

- 15- F Talay Akyildiz, Dennis A. Siginer, Spectral approximation for drainage of an elastico-viscous liquid and error analysis, Numerical Methods for Partial Differential Equations Volume 28, Issue 2, pages 492–505, March 2012. (**impact factor: 1.057**)
- 16- Robert A. Van Gorder, K. Vajravelu, F Talay Akyildiz , Existence and uniqueness results for a nonlinear differential equation arising in viscous flow over a nonlinearly stretching sheet , Applied Mathematics Letters, Volume 24, Issue 2, February 2011, Pages 238-242. (**impact factor: 1.48**)
- 17- F .Talay Akyildiz, Dennis A. Siginer, Existence results and numerical simulation of magnetohydrodynamic viscous flow over a shrinking sheet with suction, Mathematical and Computer Modelling, Volume 52, Issues 1-2, July 2010, Pages 346-354. (**impact factor: 2.02**)
- 18- F Talay Akyildiz, Dennis A. Siginer, K. Vajravelu, Robert A. Van Gorder, Analytical and numerical results for the Swift–Hohenberg equation, Applied Mathematics and Computation, Volume 216, Issue 1, 1 March 2010, Pages 221-226. (**impact factor: 1.6**)
- 19- F.Talay Akyildiz, Hamid Bellout, Brinkman equation for a corrugated pipe using a spectral–Galerkin method , Computers & Mathematics with Applications, Volume 59, Issue 8, April 2010, Pages 2443-2451. (**impact factor: 1.996**)
- 20- F. Talay Akyildiz, Dennis A. Siginer, Galerkin–Legendre spectral method for the velocity and thermal boundary layers over a non-linearly stretching sheet, Nonlinear Analysis: Real World Applications, Volume: 11 Issue: 2 Pages: 735-741 Published: APR 2010. (**impact factor: 2.338**)
- 21- F. Talay Akyildiz, Dennis A. Siginer, K. Vajravelu, J. R. Cannon and Robert A. Van Gorder, Similarity solutions of the boundary layer equations for a nonlinearly stretching sheet, Mathematical Methods in the Applied Sciences Volume: 33 Issue: 5 Pages: 601-606 Published: March 30 2010. (**impact factor: 0.877**)
- 22- Robert A. Van Gorder, K. Vajravelu, F. Talay Akyildiz, Viscoelastic Stresses in the Stagnation Flow of a Dilute Polymer Solution, Journal of Non-Newtonian Fluid Mechanics, Volume 161, Issue: 1-3 Pages: 94-100 Published: SEP 2009. (impact factor: 1.944)
- 23- F. Talay Akyildiz, K. Vajravelu, R.N. Mohapatra, Erik Sweet, Robert A. Van Gorder, Implicit differential equation arising in the steady flow of a Sisko fluid , Applied Mathematics and Computation, Volume 210, Issue 1, 1 April 2009, Pages 189-196. (**impact factor: 1.6**)
- 24- F.T. Akyildiz,Laguerre spectral approximation of Stokes first problem for third grade fluid, Nonlinear Analysis: Real World Applications, Volume 10, Issue 2, April 2009, Pages 1029-1041. (**impact factor: 2.338**)

- 25- F.T.Akyildiz ,K. Vajravelu and S.-J. Liao, A New method for homoclinic solutions in ordinary differential equations, Chaos, Solitons & Fractals, Volume 39, Issue 3, 15 February 2009, Pages 1073-1082. **(impact factor: 1.503)**
- 26- Emin Kasap, F. Talay Akyildiz and Keziban Orbay, A generalization of surfaces family with common spatial geodesic, Applied Mathematics and Computation, Volume 201, Issues 1-2, 15 July 2008, Pages 781-789. **(impact factor: 1.6)**
- 27- F. Talay Akyildiz, K. Vajravelu, Magneto hydrodynamic flow of A viscoelastic fluid, Physics Letters A, Volume 372, Issue 19, 5 May 2008, Pages 3380-3384. **(impact factor: 1.626)**
- 28- F. Talay Akyildiz, K. Vajravelu and H. Ozekes, Fourier-Galerkin Domain Truncation of Stokes Problem For Oldroyd Four-Constant Liquis, Computers & Mathematics with Applications, Volume 55, Issue 11, June 2008, Pages 2452-2457. **(impact factor: 1.996)**
- 29- F.T.Akyildiz ,Stokes' first problem for a Newtonian fluid in a non-Darcian porous half-space And Laguerre-Galerkin method, Mathematical Methods in the Applied Sciences, volume 30 Issue 17, Pages 2263 – 2277,2007. **(impact factor: 0.877)**
- 30- F.T.Akyildiz and K. Vajravelu, Orthogonal cubic spline collocation method for the nonlinear parabolic equation arising In non-Newtonian fluid flow, Applied Mathematics and Computation, Volume 189, Issue 1, 1 June 2007, Pages 462-471. **(impact factor: 1.6)**
- 31- F.T.Akyildiz, Nonlinear Damped Wave Equation Arising in Viscoelastic Fluid Flows., Applied Mathematics Letters, Volume 20, Issue 4, April 2007, Pages 396-400. **(impact factor: 1.48)**
- 32- F.T.Akyildiz ,H. Bellout and K. Vajravelu, Diffusion of Chemically Reactive Species in a Porous Medium over a Stretching Sheet, Journal of Mathematical analysis and applications 320 (2006) 322–339. **(impact factor: 1.119)**
- 33- Emin Kasap and F. Talay Akyildiz, Surfaces with common geodesic in Minkowski 3-space, Applied Mathematics and Computation 177 (2006) 260–270. **(impact factor: 1.6)**
- 34- E. Kasap, M. Yapici and F.T Akyildiz, A numerical study for computation of geodesic curves Applied Mathematics and Computation, , Volume 171, Issue 2, Pages 1206-1213,2005 . **(impact factor: 1.6)**
- 35- F.T.Akyildiz and H. Bellout, Chaos in the thermal convection of a Newtonian fluid with a temperature dependent viscosity , Applied Mathematics and Computation, Volume 162, Issue 3, 25 March 2005, Pages 1103-1118. **(impact factor: 1.6)**

- 36- F.T.Akyildiz ,H. Bellout and K. Vajravelu, An exact solution for the third grade fluid between eccentric cylinders, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, Volume 39, Issue 10, December 2004, Pages 1571-1578). (**impact factor: 1.463**)
- 37- F.T.Akyildiz and H. Bellout, Gretz Problem extended for dipolar fluid, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER , Volume 47, Issues 12-13, June 2004, Pages 2747-2753). (**impact factor: 2.522**)
- 38- F.T.Akyildiz and H. Bellout, Viscoelastic Lubrication with Phan-Thein -Tanner fluid(PTT), JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, 126, April 2004 ,Issue 2,pp 288-291 ). (**impact factor: 0.897**)
- 39- F.T. Akyildiz, On the dispersion of a solute in poiseuille flow of a third- grade fluid in a channel, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS 38,1553(2003). (**impact factor: 1.463**)
- 40- F. T. Akyildiz, Dispersion of a Solute in a Poiseuille flow of a viscoelastic fluid, INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE 40, 859(2002). (**impact factor: 2.291**)
- 41- F. T. Akyildiz, A note on the flow of a third grade fluid between heated Parallel plates, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS,36,349(2001) . (**impact factor: 1.463**)
- 42- H. Demir and F. T. Akyildiz, Unsteady Thermal convection of a Non-Newtonian Fluid, INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE , 38,1923(2000). (**impact factor: 2.291**)
- 43- F. T. Akyildiz, Longitudinal and Torsional oscillations of rods in a viscoelastic fluids, RHEOLOGICA ACTA 37,508(1998). (**impact factor: 1.781**)
- 44- F. T. Akyildiz, A note on the flow of a film of Non-Newtonian fluid, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS,33, 1061(1998). (**impact factor: 1.463**)
- 45- F. T. Akyildiz and R. S. Jones, The generations of steady flow in a rectangular duct, RHEOLOGICA ACTA 32,499(1993). (**impact factor: 1.781**)
- 46- F. T. Akyildiz ,R. S. Jones and K. Walters, On the spring-dashpot representation of linear viscoelastic behaviour, RHEOLOGICA ACTA 29,482(1990). (**impact factor: 1.781**)

## Submitted and Revised Papers



- 47- F. Talay Akyildiz and Dennis Siginer, Forced Convection heat transfer in transversally corrugated tubes problem , minor revised submitted to the International Journal of Thermal Sciences (IJTS)(impact factor: 2.629)
- 48- F Talay Akyildiz and Dennis Siginer , Effect of pressure dependent viscosity for the unidirectional flow in a rectangular duct and minor revised submitted to the International Journal of Engineering Science (impact factor: 2.668),
- 49- F Talay Akyildiz and Dennis Siginer, Gaseous Slip Flow in Corrugated Microtubes and research result submitted to the Microfluidics and Nanofluidics (impact factor: 2.528)
- 50- Nurhan Kaplan, F.Talay Akyildiz and Dennis Siginer, The generation of steady slip flow in a rectangular duct, Submitted to the Theor. Comput. Fluid Dyn.(Impact factor 1.8)
- 51- F Talay Akyildiz, Dennis A. Siginer, Numerical Error Analysis for Spectral Approximation of an Oldroyd Liquid draining down a porous vertical surfaces , revise submitted, Int. J. Numerical methods in Fluids.
- 52- F Talay Akyildiz, Dennis A. Siginer, DRAINAGE OF THIN VISCOELASTIC FILMS, revise submitted, Acta Mechanica.
- 53- F Talay Akyildiz, UNIFORM HEAT FLUX FORCED CONVECTION IN CORRUGATED PIPES, submitted to C. R. Mecanique.
- 54- F.T.Akyildiz ,H. Bellout and K. Vajravelu ,Existence results for third order nonlinear boundary value problems arising in nano boundary layer fluid flows over stretching surfaces, submitted to the Journal of Mathematical analysis and applications
- 55- Alip Mohammed, Dennis Siginer and F. Talay Akyildiz, Eigenvalues of holomorphic functions for the integral boundary condition with general coefficient, submitted to the Quarterly Journal of Mechanics and Applied Mathematics

#### **REFEREED OTHER PUBLICATIONS:**

- 55- Robert A. Van Gorder ,K. Vajravelu and F. Talay Akyildiz, Solutions to the Brinkman-Forchheimer momentum equation for a unidirectional flow over a rectangular domain Int. J. of Fluid Mechanics Research, DOI: 10. 1615, Vol.36. i6.60, November 2009.
- 56- F. Talay Akyildiz and K. Vajravelu ,Existence, uniqueness, and quasilinearization results for nonlinear differential equations arising in viscoelastic fluid flow ,Differential Equations and NonLinear Mechanics Volume 1 (2006), Article ID 71717
- 57- H. Kaplan and F.Talay Akyildiz, On Statistical Convergence and Statistical Cauchy Sequences, International Journal of Mathematics and Computation, Volume 10, Number M11, 2011, pages 79-83
- 58- F. T. Akyildiz, Flow of a Viscoelastic fluid between heated parallel plates, International Journal of Appl. Math. 2,39(2000)

59- F. T. Akyildiz, H. Demir and V.S. Erturk , Peristaltic Flow of a Third Grade Fluid in a Planar Channel, *Mathematical & Computational Applications*, 4, 39 (1999).

60- H. Demir and F. T. Akyildiz, The Singularities near the corner of a Viscoelastic fluid in a 2D cavity, *Mathematical & Computational Applications* 4, 104 (1999).

61- F. Talay Akyıldız-A. Turan Gürkanlı, Ağırlıklı Some properties of  $L_w^1(G) \cap L_w^2(G)$  this space: , *Ondokuz Mayıs Üniversitesi Fen Dergisi*, 1 (3) , (1989), (69-79).

### **Selected International Conferences:**

62- F. T. Akyildiz, Wavelet Bases of Hermite Cubic Splines on the Interval for Weighted Hilbert Spaces, *WORKSHOP ON SAMPLING THEORY AND APPLICATION (SAMPTA05)*

63- F. T. Akyildiz, Homoclinic Solutions to the damped Duffing's equation, *AIMS Sixth*

*International Conference on Dyn. Systems, Diff. Equations and Applications 2006.*

64 - F. T. Akyildiz, NEW CHAOTIC SYSTEM ARISING FROM NON-DARCY RAYLEIGH–BÉNARD THERMAL CONVECTION, *ICDS International Conference on Dynamical Systems 2007*

65- F. T. Akyildiz, D. Siginer , Analysis of a boundary value problem arising in the fluid, flow over a stretching sheet presented in *Fourth International Conference on Thermal Engineering*, January 12-14 2009, Abu Dhabi.

66- F. T. Akyildiz, D. Siginer, Natural Convection and heat transfer of Newtonian fluid in a vertical porous channels and second order nonlinear systems presented in *UAE Math Days 09*, University of Sharjah 2009.

67- F. T. Akyildiz, D. Siginer, Natural Convection and heat transfer of Newtonian fluid in a vertical porous channels and second order nonlinear systems (Viscoelastic case), *The 5th International Conference Dynamical Systems and Applications*, June 15-18, 2009, Constanta, Romania.

68- F. T. Akyildiz, D. Siginer, M. Yapici, Spectral Approximation for Drainage of an Elastico-Viscous liquid and Error Analysis, *International Conference-2010: The 6th Dynamical System and Applications*, July 10-14, 2010.

69- F. T. Akyildiz, Alip Mohamed & D. Siginer, Spectral Approximation of an viscoelastic fluid draining down a porous vertical surface, *9th UAE Math Day*, 2011, Ajman

70- Alip Mohamed & F. T. Akyildiz, The Bitsadze equation with third boundary condition, *9th UAE Math Day*, 2011, Ajman.

71- D. A. Siginer and F. T. Akyildiz, “Heat transfer enhancement in corrugated pipes”, in *International Heat Transfer Conference* , Washington, D. C., USA, 2010.

72- D. A. Siginer and F. T. Akyildiz, “Heat transfer enhancement with dissipation in transversally corrugated tubes”, in *ASME 3rd Joint US-European Fluids Engineering Conference*, Montreal, Quebec, Canada, 2010.

73- D. A. Siginer and F. T. Akyildiz, "Flow and heat transfer in wavy tubes", in 5th International Conference on Thermal Engineering and Applications, Marrakech, Morocco, 2010.

74-D. A. Siginer and F. T. Akyildiz, "Drainage of thin viscoelastic films", in American Society of Mechanical Engineers International Mechanical Engineering Conference and Exposition, Vancouver, British Columbia, Canada, 2010.

75- Yıldıırım Bayazıt and F Talay Akyildiz, On a system of nonlinear wave equations associated with the helical flows of Maxwell fluid, The Algerian-Turkish International days on Mathematics 2013.

76- F. Talay Akyildiz, Y. Bayazıt and G. Muhammed, Analysis of Nonlinear Elliptic Partial Equations Arising in Non-Newtonian Fluid Flow, Numerical Analysis and Optimization conference 2014 Muscat ,Oman

- 1- 2013: RESEARCH AND CONFERENCE TRAVEL FUND AWARD (1.000\$ AWARDED BY THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY
- 2- 2012: RESEARCH AND CONFERENCE TRAVEL FUND AWARD (1.000\$ AWARDED BY THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY
- 3- 2010: Research and Conference Travel Fund Award (30.000 AED awarded by Petroleum Institute).
- 4- 2010: Research and Conference Travel Fund Award (140.000 AED awarded by Petroleum Institute)
- 5- 2010: Travel Fund Award (3.000 \$ awarded by TUBITAK (The Scientific and Technological Research Council of Turkey))
- 6- 2006: Research and Conference Travel Fund Award (10.000 \$ awarded by Ondokuz mayis University, Samsun Turkey).
- 7- 2004: Research and Conference Travel Fund Award (10.000 \$ awarded by Ondokuz mayis University, Samsun Turkey).
- 8- 2000: Research and Conference Travel Fund Award (20.000 \$ awarded by TUBITAK (The Scientific and Technological Research Council of Turkey)
- 9- 1996: Research and Conference Travel Fund Award (10.000 \$ awarded by Ondokuz mayis University, Samsun Turkey).