CURRICULUM VITAE (AS OF 12-27-2012)

Name: GEORGE ANGELOS ANASTASSIOU	**Department:**MATHEMATICAL SCIENCES

EDUCATION

DEGREES	DISCIPLINE	INSTITUTION	YEAR
Ph. D.	Mathematics	University of Rochester	1984

EXPERIENCE

RANK/POSITION	DEPARTMENT/DIVISION	INSTITUTION/COMPANY/ORGANIZATION	PERIOD
Full Professor	Mathematical Sciences	University of Memphis	1994-Present
Associate Professor	Mathematical Sciences	Memphis State University	1989-1994
Assistant Professor	Mathematical Sciences	Memphis State University	1986-1989
Visiting Assistant Professor	Assistant to the Editor of the Journal of Approximation Theory	University of Rhode Island	1984-1989
Teaching Assistant	Mathematics	University of Rochester	Summer, 1983
Teaching Assistant and Fellow	Mathematics	University of Rochester	1979-1984

HONORS/AWARDS

HONOR/AWARD	INSTITUTION/COMPANY/ORGANIZATION	YEAR
1)Distinguished Research Award	University of Memphis Alumni Association	1999
2)Distinguished Research Award	University of Memphis, College of Arts and Sciences	1999
3)Oustanding Young Researcher	University of Memphis,College of Arts and Sciences	1990
4)A.Pallas award 12-27-01,Best paper in Mathematical Analysis for 1998-2000	Academy of Athens,Greece	2001
5) $500 Award from CIPS to lecture in U.Rome,Italy	U.Memphis	Summer 2002
6) HONORARY DOCTORAL DEGREE	UNIVERSITY OF ORADEA,ROMANIA	2007 (5-25-07)
7)Distinguished Research Award	University of Memphis Alumni Association	2008

TEACHING EXPERIENCE

SUBJECT	INSTITUTION
Many Undergraduate Math Courses	University of Rochester, 1979-1984
Many Undergraduate Math Courses	University of Rhode Island, 1984-1986
Great Variety of Undergraduate and Graduate Math Courses	University of Memphis, 1986 to Present

STUDENT ADVISING/MENTORING

	NAME	YEAR OF GRADUATION

CURRENT DEGREE		
Undergraduate usually 120 per semester	....	....
Masters	Scott Richardson's MSc thesis Committee	Dec 2007
Doctoral	Zhou, Mi	1997
Postdoctoral		
Ph.D	For C.Gal,I am a member of his defense committee	2006
Ph.D / Thesis Advisor	Razvan Mezei	2011
MASTERS	MERVE KESTER	2013

CREATIVE ACTIVITIES			
ACTIVITY	DATES	LOCATION	SPONSORSHIP
Research and Lectures	1986-2012	University of Memphis	

Books Published

Books (authored, edited)

1. Research monograph "Moments in Probability and Approximation Theory" Pitman, England 1993, (419 pages).

2. Edited with ST Rachev: "Applied Analysis and Stochastics" a special section of "Journal of Computational and Applied Mathematics," Vol. 40, No. 2, June 1992.

3. March 14-16, 1991. I was the editor of the Proceedings of this conference, published by Marcel-Dekker, Inc., 1992. ("Approximation Theory," Vol. 138, Lecture Notes in Pure and Applied Math.)

4. During May 20-22, 1993, with ST Rachev (U.C.S.B.), I was the organizer of the 1st International Conference on "Approximation, Probability and Related Fields" held in Santa Barbara, CA. The volume of proceedings, edited by G. Anastassiou and ST Rachev from the above conference was published by "Plenum" in 1994.

5. Guest Editor in "Computers and Math. with Appl.", special issue on "Concrete Analysis," Vol. 30, No 3-6, Sept 1995.

6. Guest Editor in "Computers and Math. with Appl.", special issue "Proceedings of #919 Memphis AMS Approximation Meeting," 1997; Vol. 40, No. 1, July 2000; "Approximation in Mathematics".

7. Research Monograph with S. Gal, "Approximation Theory: Moduli Continuity and Global Smoothness Preservation", Birkhauser-Boston, 2000, pp. 525.

8. "Quantitative Approximations", CRC Press 2000, pp. 617.

9. "Handbook of Analytic Computational methods in Applied Math.", CRC press, 2000, pp. 1034.

10. "Applied Math Rev., Vol. 1", World Scientific Publishing Co. 2000, pp. 611.

11. "Guest Editor in journal of "Computers and Mathematics with Appl.",special issue on"Computational Methods in Analysis", Vol.48,No.9,November 2004.

12. RESEARCH MONOGRAPH , 693 PAGES, ACCEPTED FOR PUBLICATION BY SPRINGER AND WORLD SCIENTIFIC PUBLISHING CORP.

TITLE: "FRACTIONAL DIFFERENTIATION INEQUALITIES", PUBLISHED BY

SPRINGER, NY, HEIDELBERG, 2009.

RESEARCH MONOGRAPH, "PROBABILISTIC INEQUALITIES", 430 PAGES, WORLD SCIENTIFIC PUBLISHING CORPORATION, 2010.

RESEARCH MONOGRAPH, "FUZZY MATHEMATICS: APPROXIMATION THEORY",

455 PAGES, SPRINGER, NY, HEIDELBERG, 2010.

RESEARCH MONOGRAPH, "ADVANCED INEQUALITIES", 418 PAGES, WORLD SCIENTIFIC PUBLISHING

CORPORATION, SINGAPORE, NEW YORK, 2010.

RESEARCH MONOGRAPH, "INTELLIGENT MATHEMATICS: COMPUTATIONAL ANALYSIS", 814 PAGES, SPRINGER, HEIDELBERG, NEW YORK, 2011.

GEORGE ANASTASSIOU AND OKTAY DUMAN: "TOWARDS INTELLIGENT MODELING: STATISTICAL APPROXIMATION THEORY", SPRINGER HEIDELBERG, 2011.

"INTELLIGENT SYSTEMS: APPROXIMATION BY ARTIFICIAL NEURAL NETWORKS", SPRINGER HEIDELBERG, 2011.

"INEQUALITIES BASED ON SOBOLEV REPRESENTATIONS", SPRINGER NY, 2011.

"APPROXIMATION BY MULTIVARIATE SINGULAR INTEGRALS", SPRINGER NY, 2011.

"ADVANCES ON FRACTIONAL INEQUALITIES", SPRINGER NY, 2011.

"TOPICS IN COMPLEX APPROXIMATION", CAMBRIDGE SCIENTIFIC PUBLISHERS, CAMBRIDGE, UK, 2013.

G. ANASTASSIOU AND R. MEZEI, "APPROXIMATION BY SINGULAR INTEGRALS", CAMBRIDGE SCIENTIFIC PUBLISHERS, CAMBRIDGE, UK, 2013.

GEORGE ANASTASSIOU AND IULIANA IATAN, " INTELLIGENT ROUTINES: SOLVING MATHEMATICAL ANALYSIS WITH MATLAB, MATHCAD, MATHEMATICA AND MAPLE", vol. 39, INTELLIGENT SYSTEMS REFERENCE LIBRARY, SPRINGER, NY, HEIDELBERG, 2013.

G. ANASTASSIOU AND O. DUMAN, " ADVANCES IN APPLIED MATHEMATICS AND APPROXIMATION THEORY: CONTRIBUTIONS FROM AMAT 2012, PROCEEDINGS", EDITED VOLUME,

SPRINGER, NEW YORK, 2013.

Book Reviews

Many

RESEARCH PROPOSALS REVIEWER.

Many

Refereed Journal Publications

1. "A study of positive linear operators by the method of moments", Ph. D. thesis, The University of Rochester, (1984), Rochester NY.

2. "An improved general stochastic inequality", Bulletin of the Greek Mathematical Society, Vol. 24, 1983, pp. 1-11.

3. "A K-attainable inequality related to the convergence of positive linear operators:, Journal of Approximation Theory, vol. 44, No. 4, August 1985, pp. 380-383.

4. "Miscellaneous sharp inequalities and Korovkin type convergence theorems involving sequences of probability measures", Journal of Approximation Theory, Vol. 44, No. 4, August, 1985, pp. 384-390.

5. With O. Shisha, "Monotone Approximation with Linear Differential Operators", Journal of Approximation Theory, Vol. 44, No. 4, August, 1985, pp. 391-393.

6. "A study of positive linear operators by the method of moments, one dimensional case", Journal of Approximation Theory, Vol. 45, No. 3, Nov. 1985, pp. 247-270.

7. "A discrete Korovkin Theorem", Journal of Approximation Theory, Vol. 45, No. 4, Dec., 1985, pp. 383-388.

8. "On a discrete Korovkin Theorem", Journal of Approximation Theory, 61, pp. 384-386 (1990), correction.

9. "Multi-dimensional quantitative results for probability measures approximating the unit measure", Journal of Approximation Theory and Appl., Vol. 2, No. 4, pp. 93-103.

10. "Korovkin inequalities in real normed vector spaces", 1986, pp. 235-238, Proceedings "Approx. TH. V", Academic Press (Refereed).

11. "Korovkin type inequalities in real normed vector spaces", Journal of Approximation Theory and Appl., Vol. 2, No. 2, 1986, pp. 39-53.

12. "The Levy radius of a set of probability measures satisfying basic moment conditions involvint {t, t }, Constructive Approximation Journal (1987) 3: pp. 257-263.

13. "A comparison of Prohorov and Lipschitz metrics" Bulletin of Greek Math. Soc., Vol. 28, 1987 A, pp. 1-5.

14. "On the degree of weak convergence of a sequence of finite measures to the unit measure under convexity" J. Approx. Th., Vol. 51, No. 4, Dec. 1987, pp. 333-349.

15. "The Levy radius of a set of probability measures satisfying moment conditions involving a Tchebycheff system of functions" J. Approx. Th. and Appl., Vol. 3, No. 2-3 Aug. 1987, pp. 50-65.

16. "The Rate of Weak convergence of convex type positive finite measures", J. Math. Anal. and Appl., Vol. 136, No. 1, 1988, pp. 229-248.

17. "Smooth rate of weak convergence of convex type positive finite measures", J. Math. Anal. and Appl., 141, pp. 491-508, 1989.

18. "Rate of convergence of non-positive linear convolution type operators. A sharp inequality", J. Math. Anal. and Appl., 142, pp. 441-451, 1989.

19. "Sharp inequalities for convolution type operators", Journal Approximation Theory, 58, pp. 259-266, 1989.

20. "Rate of convergence of positive linear operators through an Extended complete Tchebycheff system," Journal Approximation Theory, 59, pp.125-149, 1989.

21. With ST Rachev. "Approximation of a random Queue by Means of Deterministic Queueing models", "Approximation Theory VI", Vol. I (1989), pp. 9-11, Academic Press (refereed).

22. "Weak convergence and the Prokhorov Radius for Probability measures", Approx. Opt, & Comp.: Th. & Appl., AG Law & CL Wang (eds). North Holland, pp. 47-48, 1990.

23. "Spline monotone approximation with linear differential operators", J. Approx. Th. and Appl., 5, pp. 61-67, 1989.

24. With SA Ali and O Shisha "Discrete Best L-1, Approximation in the Gauges Sense, "Numerical Functional Analysis and Optim., 11 (5 & 6), pp. 411-417 (1990).

25. "Monotone Approximation by Pseudopolynomials", Approx. Theory, pp. 5-11, Academic Press, New York, Boston, (1991).

26. "A Discrete Stochastic Korovkin Theorem", Int. J. Math. & Math. Sci., Vol. 14, No. 4, pp. 679-682 (1991).

27. "Korovkin inequalities for stochastic processes", J. Math. Anal. & Appl., Vol. 157, No. 2, pp. 366-384 (1991).

28. With C. Cottin and H. Gonska "Global smoothness of approx. functions", "Analysis", Vol. 11, pp. 43-57, (1991).

29. "Bivariate monotone approximation," "Proc. A.M.S.", Vol. 112, No. 4, pp. 959-964, (1991).

30. With C. Cottin and H. Gonska "Global Smoothness preservation by multivariate Approximation operators", "Israel Mathematical Conference Proc.", Weizmann Science Press, Vol. 4, 1991, pp. 31-44.

31. "Weak Convergence and the Prokhorov Radius", "J. Math. Anal. & Appl.", Vol 163, No. 2, pp. 541-558, (1992).

32. With ST Rachev. "Moment problems and their applications to characterization of stochastic processes, queueing theory and rounding problems". Proceedings 6th S.E.A. meeting "Approximation Theory," pp. 1-77, Marcel Dekker, Inc., New York, 1992.

33. With XM Yu. "Bivariate Probabilistic Wavelet Approximation" Proc. 6th S.E.A. Meeting, "Approximation Theory," pp. 79-92, Marcel Dekker, Inc., New York, 1992.

34. With XM Yu. "Probabilistic Discrete Wavelet Approx.", "Num. Func. Anal. & Opt.", Vol. 13, pp. 117-121, 1992.

35. With ST Rachev. "How precise is the approximation of a random queue by means of deterministic queueing models", Computers & Math. with Appl.", Vol. 24, No. 8/9, pp. 229-246, 1992.

36. With XM Yu, "Monotone and Probabilistic Wavelet Approximation", "Stoch. Anal. & Appl.", Vol. 10, No. 3, pp. 251-264, 1992.

37. With XM Yu. "Convex and Coconvex - Probabilistic Wavelet Approximation," "Stoch. Anal. & Appl.", Vol. 10, No. 5, pp. 507-521, 1992.

38. With SM Yu. "Multivariate Prob. Approx. in Wavelet Structure," Approx. Th. & Appl., Vol. 8, No. 4, pp. 17-27, 1992.

39. "A generalized K-attainable inequality related to the weak convergence of probability measures," Rev. Academia d Ciencias Zaragoza 47, pp. 103-120, 1992.

40. "Higher order monotone approximation with linear differential operators," "Indian Journal of Pure and Applied Math", 24(4), pp. 263-266, 1993.

41. With XM Yu and ST Rachev. "Multivariate Probabilistic Wavelet Approx.", Proc. Int. Conf. on "Approx., Prob. and Related Fields", U.C.S.B., Santa Barbara, CA, May 20-22, 1993, Plenum, Edited by G. Anastassiou, ST Rachev, pp. 65-74, 1994.

42. With H. Gonska, "On some shift-invariant integral operators, multivariate case", Proc. Int. Conf. on "Approx. Prob. and Related Fields," U.C.S.B., Santa Barbara, CA, May 20-22, 1993, Plenum, edited by G. Anastassiou and ST Rachev, pp. 41- 64, 1994.

43. "Lp-Korovkin type inequalities for positive linear operators," "Approx. Prob. and Related Fields," edited by G. Anastassiou, ST Rachev, Plenum, Proc. U.C.S.B. Conference, May 20-22, 1993, pp. 19-40, 1994.

44. With XM Yu. "Bivariate Constrained Wavelet Approximation," "J.Comp. and Appl. Math.", 53 (1994), 1-9.

45. "Central limit theorem, weak law of large numbers for martingales in Banach spaces and weak invariance principle a quantitative study," "Journal of Multivariate Analysis," 52, pp.158-180 (1995).

46. With H. Gonska, "On some shift-invariant integral operators, univariate case," "Annales Polonici Mathematici," pp. 225- 243, LXI. 3, 1995.

47. "Comparison Theorems on Moduli of Continuity," in a special issue on "Concrete Analysis" within "J. Computers, Math. and Appls.," pp. 15-21, Vol. 30, No. 3-6, 1995.

48. With M. Zhou "On some Saturation Properties of the Representation Formulae for (Co) m-Parameters Operator Semigroups," special issue on "Concrete Analysis" in J. "Computers, Math. & Appl," pp. 243-253, Vol. 30, No. 3-6, 1995.

49. With H. Gonska, "On Stochastic Global Smoothness," Rev. Academia de Ciencias Zaragoza 49, (1994), pp. 119-136.

50. "Differentiated Shift-invariant Multivariate Integral Operators," in S.W.J. Pure and Appl. Math, Electronic Journal, Vol. 1, pp. 13-19, 1995.

51. "On Ostrowski Type Inequalities," Proc. A.M.S., Vol. 123, No. 12, Dec 1995, pp. 3775-3781.

52. With Mi Zhou. "Asymptotic Expansions of the (Co) m-Parameter Operator Semigroups," "Num. Funct. Anal. & Optim," 16, (9 & 10), pp.1273-1291, 1995.

53. "Differentiated Shift-invariant Integral Operators," approx. Th. VIII, Vol. 1, Approx. and Interp., CK Chui and LL Schumaker (eds.) pp. 1-6, 1995, World Scientific Publishing Co., Inc.

54. Zhou, Mi and G. Anastassiou, "Asymptotic Expansions Related to (Co) m-Parameter Operator Semigroups," Approx. Th. VIII, Vol. 1, Approx. and Interp., CK Chui and LL Schulmaker (eds), pp. 563-570, 1995, World Scientific Publ. Co., Inc.

55. With Mi Zhou. "Representation Formulae for (Co) m-Parameter Operator Semigroups," "Annales Polonici Mathematici," LXIII. 3, pp. 247-272, 1996.

56. "Global Smoothness Preservation by Singular Integrals," "Proyecciones revista de Mathematica," Chile, Vol. 14, No. 2, pp. 83-88, 1995.

57. With A. Bendikov, "A Sharp Error Estimate for the Numerical Solution of Multivariate Dirichlet Problem," J. Computational and Applied Math." 75 (1996) pp. 215-229.

58. With XM Yu. "Multivariable Probabilistic Scale Approximation," in Journal "Fundamental Sciences and Appl." Plovdiv, Bulgaria, 1997, Vol. 5, 41-57.

59. With Mi Zhou. "On Simultaneous Approximation of Feller Operator," "Computers and Mathematics with Appl.", 31(1996), no. 10, 31-44.

60. "Lattice Homomorphism - Korovkin Type Inequalities for Vector Valued Functions," Hokkaido Math. J., 1997 Vol. 26(1997), p. 337-364.

61. "Shape and Probability preserving Univariate Wavelet Type Operators" in "Communications in Applied Analysis," 1(1997), no. 3, 303-314.

62. "Multivariate Ostrowski Type Inequalities," "Acta Mathematica Hungarica," 76(4) (1997), 267-278.

63. "Differentiated Shift - Invariant Integral Operators, Multivariate Case," "Bulletin Inst. of Math., Academia Sinica", Vol. 25, No.4, 1997, 243-275.

64. "Rate of Convergence of Some Neural Network Operators to the unit-univariate Case," J. Math. Anal. and Appl. 212, 237- 262 (1997).

65. "Lattice Homomorphism Inequalities for Vector Valued Functions," "Proceedings Non-Linear Analysis," 2nd WCNA, 1996, Nonlinear Analysis, Theory, Methods and Applications, Vol. 30, No. 1, pp. 549-554, 1997.

66. With A. Bendikov, "A Discrete Analog of Kac's Formula and Optimal Approximation of the Solution of the Heat Equation." "Indian J. of Pure and Applied Math" 28(10): 1367-1389, 1997.

67. "Optimal bounds on the average of a bounded off observation in the presence of a single moment condition", V. Benes and J. Stepan (eds.), Distributions with given Marginals and Moment Problems, p.p. 1-13, 1997 Kluwer Acad. Publ., The Netherlands.

68. "Weak Convergence of Squashing Neural Network Operators Studied Asymptotically." "Neural Parallel and Scientific Computation" 5(1997) 439-448.

69. With XM Yu. "Shape preserving bivariate shift-invariant operators", Rev. Academia de Ciencias, Zaragoza 52(1997), pp. 43-50.

70. With A. Bendikov, "A sharp error estimate for the Numerical Solution of Multivariate Dirichlet Problems ," "Stochastic Analysis and Applications," 16(3), 403-422 (1998).

71. With M. Ganzburg, "L-positive Approximation," Revue Roumaine de Math. Pures et Appl., 43 (1998), 5-6, 475-494.

72. "Higher Order Univariate Wavelet Type Approximation," "Approximation Theory," "In memory of A.K. Varma," pp. 43-60, Marcel Dekker, 1998.

73. Differentiated Shift - Invariant Integral Operators, Univariate Case," "Applicable Analysis," Vol 68 (3-4), 281-311, (1998).

74. With T. Rychlik, "Moment Problems on Random Rounding Rules Subject to Two Moment Conditions," "Comp. and Math with Appl.," Vol. 36, No. 1, pp. 9-19, 1998.

75. "Opial type inequalities for Linear Differential Operators," "Math. Ineq. Appl." Vol1, No. 2, (1998), 193-200.

76. "Weak Convergence of Cardaliaguet Euvrard Neural Network Operators Studied Asymptotically," "Results in mathematics," 34 (1998) 214-223.

77. "General Fractional Opial type Inequalities," "Acta Applicandae Mathematicae," 54: 303-317, 1998.

78. With S.G. Gal "On some shift invariant integral operators, univariate case, revisited," "Journal of Computational Analysis & Appl.", Vol 1, No. 1, 3-23, 1999.

79. With S.G. Gal, "General Theory of Global Smoothness preservation by Singular Integrals, univariate case," "Journal of Computational Analysis and Applications." , Vol. 1, No. 3, 1999, pp.289-317.

80. "Opial type inequalities involving fractional derivatives of functions," "Non-linear Studies.", Vol. 6, No.2, 1999, pp. 207-230.

81. "The Degree of Convergence of Sequences of Multivariate Wavelet Type Operators," Approx. Th. 98, Proc. Int. Conf. Nashville, Approximation Th. IX, Vol 1, Theoretical Aspects, 1-6, 1998, edited by C.K. Chui, R.L. Schumaker.

82. With T. Rychlik, "Rates of uniform Prokhorov convergence of probability measures with given three moments to a Dirac one," "Comp. & Math. with Appl.", 38 (1999), 101-119.

83. "Inequalities for local moduli of continuity", "Applied Math. Letters" 12 (1999) 7-12.

84. With S.G. Gal, "Global smoothness preservation by Multivariate Singular Integrals," "Bulletin of Australian Math. Soc.", 61 (2000), 489-506.

85. With S.T. Rachev, "Solving moment problems with applications to stochastics", Monografii Matematice", Univ. of the West from Timisoara, Romania, No. 65/1998, pp. 77.

86. With S. Gal, "On some differentiated shift-invariant integral operators, univariate case, revisited", "Advances in Nonlinear Variational Inequal", (1999), 2 (2), 71-83.

87. With S. Gal, "On some differentiated shift-invariant integral operators, multivariate case, revisited", "Advances in Nonlinear Variational Inequal", (1999), 2 (2), 97-109.

88. With J. Pecaric, "General Weighted Opial Inequalities for Linear Differential Operators", J. Math. Anal. & Appl. 239, 402-418 (1999).

89. With T. Rychlik, "Refined rates of bias convergence for generalized L-statistics in the I.I. D case", "Applicationes Mathematicae", (Warsaw) 26 (1999), 437-455.

90. With Stamatis Cambanis, "Non-orthogonal Wavelet Approximation with Rates of Deterministic Signals", J. "Comp & Math with Appl.," 40 (2000) 21-35.

91. "Rate of Convergence of Some Multivariate Neural Network Operators to the Unit" , J. "Comp. and Math with Appl.," 40 (2000) 1-19.

92. With S. Gal, "On the convergence of generalized singular integrals", RGMIA, Vol. 3, no. 4, article #9, 2000,pp.611-617, Electronic journal.

93. With T. Rychlik, "Moment Problems on Random Rounding Rules Subject to One Moment Condition," "Communications in Applied Analysis," 5 (2001), no. 1, 103-111.

94. "Opial type inequalities involving functions and ordinary and fractional derivatives," "Communications in Applied Analysis", 4 (2000), no. 4, p. 547-560.

95. "Degree of Approximation of Order Statistics Functionals, Dependent Case", "Handbook on Analytic-Computational methods in Applied Mathematics", Editor G. Anastassiou, CRC Press, 2000, pp. 1-30.

96. "Higher Order Multivariate Wavelet Type Approximation" Proc. #941 AMS meeting "Wavelet Analysis and Multiresolution Methods", Editor Tian He, Marcel Dekker, N.Y. 2000, pp. 1-25.

97. With T. Rychlik "Prokhorov radius of a neighborhood of zero described by three moment constraints," Journal of Global Optimization, 16: 69-75, 2000.

98. With S. Gal ,"Convergence of generalized singular integrals to the unit, univariate case", Math Inequalities & Applications, Vol. 3, no. 4 (2000), 511-518 .

99.With S. Gal ,"Convergence of generalized singular integrals to the unit, multivariate case", "Applied Math. Rev., Vol. 1," World Sci. Publ. Co., 2000, 1-8.

100."General Moment Optimization problems", "Encyclopedia of Optimization", eds. C. Floudas, P. Pardalos, Kluwer,pp.198- 205,vol.II,2001

101. With S.G. Gal, "On some shift invariant Multivariate Integral operators, revisited," "Communications in Applied Analysis", April 2001,vol.5,no.2,265-275. Also see RGMIA,Vol.2,No.1,1999,www.rgmia.vu.edu.au .

102.With J.J. Koliha and J. Pecaric "Opial inequalities for fractional derivatives," "Dynamical Systems and Appl.", (2001)10,395-406.

103. With S. Gal, "Partial shape preserving approximations by Bivariate Hermite-Fejer polynomials", "Computers and Math. with Appl.",42(2001)57-64.

104. With S. Gal, "Partial shape preserving approximations by bivariate Shepard operators", "Computers and Math. with Appl.",42(2001)47-56.

105.With A.Bendikov,"A sharp error estimate for the numerical solution of multivariate Dirichlet problem for the heat equation","Stochastic Analysis and Applications",19(3),343-360(2001).

106. With S. Gal, "Nonpositive Jackson-type approximations to definite integrals", "Trends in Approximation Theory", ed. K. Kopotun, T. Lyche, M. Neamtu, Vanderbilt Press, Nashville, TN, pp. 11-17, 2001

107.With S.Dragomir,"On some estimates of the remainder in Taylor's formula",J.Math.Anal.& Appl.,vol.263,246-263(2001).

108.With T. Rychlik, "Exact rates of Prokhorov convergence under three moment conditions", Proc. "Crete Opt. Conf.", Greece, 1998: "Combinatorial and Global Optimization",pp.33-42,P.M.Pardalos et al eds.World Scientific (2002).

109.With J.Goldstein,"Fractional Opial type inequalities and fractional differential equations","Results in Mathematics", 41(2002),197-212.

110.With S.Gal,"On a Fuzzy trigonometric approximation theorem of Weierstrass type","The journal of Fuzzy Mathematics", 9(2001),no.3,701-708.

111."Taylor integral remainders and moduli of smoothness",Korean Proceedings,Vol.1, "Inequalities Theory and Applications", Eds.Y.Cho,J.K.Kim,and S.Dragomir,pp.1-31,Nova Publ.,NY,2001.

112.With J.Koliha and J.Pecaric,"Opial type Lp-inequalities for fractional derivatives","Inter.J.of Math.& Math.Sci.", 31:2(2002)85-95.

113.With V.Papanicolaou,"Probabilistic Inequalities and remarks","Applied Math.Letters",15(2002)153-157.

114."Multidimensional Ostrowski inequalities,revisited","Acta Mathematica Hungarica"97(4)(2002)339-353.

115."Univariate Ostrowski inequalities,revisited","Monatshefte Math.",135,175-189(2002).

116."Multivariate Montgomery identities and Ostrowski inequalities","Numer.Funct.Anal.and Opt."23(3&4)247-263(2002).

117."Rate of convergence of Bounded Linear operators",Proceedings of 10nth Internat.Conference on Approx.Th., March 2001,St.Louis,MO,ed.L.Shumaker,pp.1-7,2002.

118."A new expansion formula","Cubo",Vol.5,No.1,2003,pp.25-31.

119.Book review:"Semi-Markov Processes & Reliability",by N.Limnios and G.Oprisan,Birkhauser(2001)",in" Journal of Computational Analysis and Applications",Vol.4,No.2,April 2002,pp.175-176.

120. With S. Gal, "On global smoothness preservation in complex approximation","Annales Polonici Mathematici",LXXIX.3(2002),199-205.

121. "Rate of convergence of Fuzzy Neural Network operators,univariate case","J.Fuzzy Mathematics",10(2002),no.3,755-780.

122. "On H-fuzzy differentiation","Mathematica Balkanica",New Series Vol.16.,2002,Fasc.1-4,pp.153-193.

123. "Probabilistic Ostrowski type inequalities","Stochastic Analysis and Applications",Vol.20,no.6,pp.1177-1189,2002.

124. "On Gruss type multivariate integral inequalities","Mathematica Balkanica",Vol.17,No.1-2(2003),pp.1-13.

125. "Fuzzy Ostrowski type inequalities", "Computational and Applied Mathematics",Brazil,Vol.22,N.2,279-292,2003.

126. "High order Approximation by univariate shift-invariant integral operators", 2 volumes edited by R.Agarwal and Donal O'Regan,"Nonlinear Analysis and Applications",Vol.I,pp.141-164,2003,Kluwer.

127. "Fractional Ostrowski type inequalities", "Communications in Applied Analysis",7(2003),no.2,203-208.

128. With V.Papanicolaou,"A new basic sharp integral inequality", "Revue Roumaine De Mathematiques Pure et Appliquees",Vol.47,no.4,2002,399-402.

129."Integration by parts on the Multivariate domain","Anals of University of Oradea,fascicola mathematica", TomIX,5-12,pp.13-32,(2002),Romania.

130."Univariate Fuzzy-Random Neural Network Approximation Operators","Computers and Mathematics with Appl.",Special issue/Proceedings edited by G.Anastassiou of special session "Computational Methods in Analysis", AMS meeting in Orlando,Florida,November 2002,Vol.48(2004),1263-1283.

131."High order Approximation by multivariate shift-invariant convolution type operators", "Computers and Mathematics with Applications"(CAM),Special issue on "Computational Methods in Analysis",edited by G.Anastassiou, Vol.48(2004),1245-1261.

132."Opial type inequalities involving fractional derivatives of two functions and applications","Computers and Mathematics with Applications",Vol.48(2004),1701-1731.

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298. "BASICS OF RIGHT NABLA FRACTIONAL CALCULUS ON TIME SCALES", **Journal of Nonlinear Evolution Equations and Applications,**

VOL.2011, NO.8,PP.111-118 (ELECTRONIC).

299. "MULTIVARIATE SIGMOIDAL NEURAL NETWORK APPROXIMATION", NEURAL NETWORKS, 24(2011) 378-386.

300. "MULTIVARIATE LANDAU FRACTIONAL INEQUALITIES", J. FRACT. CALC. & APPL., VOL. 1, JULY 2011, NO. 8, PP. 1-7.

301. "MULTIVARIATE LYAPUNOV INEQUALITIES", APPLIED MATH. LETTERS, 24(2011) 2167-2171.

302. "HILBERT-PACHPATTE TYPE INEQUALITIES FOR SEMIGROUPS, COSINE AND SINE OPERATOR FUNCTIONS",

APPLIED MATH. LETTERS, 24(2011) 2172-2180.

303. "OSTROWSKI INEQUALITIES FOR COSINE AND SINE OPERATOR FUNCTIONS", ACCEPTED, VESNIK, 2011.

304. "FRACTIONAL REPRESENTATION FORMULAE AND RIGHT FRACTIONAL INEQUALITIES", Mathematical and Computer Modelling 54(11-12): 3098-3115 (2011).

305. "OSTROWSKI AND LANDAU INEQUALITIES FOR BANACH SPACE VALUED FUNCTIONS", Mathematical and Computer Modelling , 55(2012) 312-329.

306. "MULTIDIMENSIONAL OSTROWSKI INEQUALITIES FOR BANACH SPACE VALUED FUNCTIONS", J. OF NONLINEAR EVOLUTION EQUATIONS AND APPL., VOL.2011, NO.2, PP.23-56, JULY 2011.

307. WITH R. MEZEI, "Lp CONVERGENCE WITH RATES OF GENERAL SINGULAR INTEGRAL OPERATORS", J. OF COMPUTATIONAL ANALYSIS AND APPL., VOL.14, NO.6, 1067-1083, 2012.

308. "MULTIVARIATE INEQUALITIES BASED ON SOBOLEV REPRESENTATIONS", APPLICABLE ANALYSIS, 2012, NO. 5, VOL.91, 993-1017.

309. WITH R. MEZEI, " A VORONOVSKAYA TYPE THEOREM FOR GENERAL SINGULAR OPERATORS WITH APPLICATIONS", NONLINEAR FUNCTIONAL ANALYSIS AND APPL., VOL.17, NO.1, 2012, 1-11.

310. "UNIVARIATE SIGMOIDAL NEURAL NETWORK APPROXIMATION", J. OF COMPUTATIONAL ANALYSIS AND APPL., 2012, VOL.14, NO.4, 659-690.

311. "shell mixed fractional Ostrowski inequalities", communications in applied analysis, 15(2011)no.1, 101-112.

312. "right Caputo fractional Landau inequalities", Sarajevo J. of Math., vol.7(20)(2011), 177-183.

313. "Lp-left Caputo fractional Landau inequalities", J. of Computational Analysis and Appl., VOL.14, NO.4, 2012, 738-744.

314. "multivariate hyperbolic tangent neural network approximation", Computers and Mathematics, 61(2011) 809-821.

315. with R. Mezei, "uniform convergence with rates of general singular operators", accepted, CUBO, 2011.

316. "global smoothness preservation and simultaneous approximation for multivariate general singular integral operators", applied math. letters, 24(2011) 1009-1016.

317. "mixed Caputo fractional Landau inequalities", nonlinear analysis, 74(2011) 5440-5445.

318. "univariate mixed Caputo fractional Ostrowski inequalities", J. of Computational Analysis and Appl., VOL.14, NO.4, 2012, 706-713.

319. "Opial-type inequalities for functions and their ordinary and balanced fractional derivatives", J. of Computational Analysis and Appl., VOL.14, NO.5, 2012, 862-879.

320. "left Caputo fractional ||.||_infinity Landau inequalities", applied math. letters 24(2011) 1149-1115.

321. "multivariate radial mixed Caputo fractional Ostrowski inequalities", Indian J of Math., 2011, VOL. 53, NO.2, 393-405.

322. "GENERAL UNIFORM APPROXIMATION THEORY BY MULTIVARIATE SINGULAR INTEGRAL OPERATORS", ANNALES POLONICI MATHEMATICI, 103.1(2012), 15-25.

323. WITH R. MEZEI, "GENERAL THEORY OF GLOBAL SMOOTHNESS AND APPROXIMATION BY SMOOTH SINGULAR OPERATORS", MATHEMATICS AND COMPUTER MODELING, 54(2011)344-358.

324. "UNIVARIATE INEQUALITIES BASED ON SOBOLEV REPRESENTATIONS", STUDIA MATHEMATICA BABES-BOLYAI, VOL.56, NO.4, DEC. 2011, 19-48.

325. "UNIVARIATE RIGHT FRACTIONAL OSTROWSKI INEQUALITIES, CUBO, 2012, VOL.14, NO.1, 1-7.

326. "MULTIVARIATE RIGHT FRACTIONAL OSTROWSKI INEQUALITIES", J. APPLIED MATHEMATICS AND INFORMATICS, 2012, VOL.30, NO. 3-4, 445-454.

327. WITH R. MEZEI, "QUANTITATIVE APPROXIMATION BY FRACTIONAL SMOOTH GENERAL SINGULAR OPERATORS", APPLIED MATHEMATICS AND COMPUTATION, 2012, VOL. 218, 6200-6213.

328. WITH SALAHUDDIN, "WEAKLY SET VALUED GENERALIZED VECTOR VARIATIONAL INEQUALITIES", J. OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, 2013, TO APPEAR.

329. "UNIVARIATE HARDY TYPE FRACTIONAL INEQUALITIES", "ADVANCES IN APPLIED MATHEMATICS AND APPROXIMATION THEORY: CONTRIBUTIONS FROM AMAT 2012, PROCEEDINGS",

EDITED VOLUME, SPRINGER 2013, NY, TO APPEAR.

330. **Lp-general Approximations by Multivariate singular integral operators**, DEMONSTRATIO MATHEMATICA, ACCEPTED 2012.

331. **Multivariate Voronovskaya asymptotic expansions for general singular operators**, STUDIA MATH. BABES BOLYAI, ACCEPTED 2012.

332. "nabla fractional calculus on time scales and inequalities", J. OF CONCRETE AND APPLICABLE MATH., TO APPEAR 2013.

333." APPROXIMATION BY NEURAL NETWORKS ITERATES", PROCEEDINGS AMAT 2012, SPRINGER, NY, 2013, TO APPEAR.

334. "FRACTIONAL NEURAL NETWORK APPROXIMATION", COMPUTERS AND MATHEMATICS, 64(2012) 1655-1676.

335. "FRACTIONAL APPROXIMATION BY CARDALIAGUET-EUVRARD AND SQUASHING NEURAL NETWORK OPERATORS", STUDIA MATH. BABES BOLYAI, 57(2012),NO.3, 331-354.

336. "GRUSS TYPE AND COMPARISON OF MEANS INEQUALITIES ON TIME SCALES", COMMUNICATIONS IN APPLIED ANALYSIS, 16(2012), NO. 4, 541-564.

337. "OSTROWSKI INEQUALITIES FOR SEMIGROUPS", COMMUNICATIONS IN APPLIED ANALYSIS, 16(2012), NO. 4, 565-578.

338. "VORONOVSKAYA TYPE ASYMPTOTIC EXPANSIONS FOR MULTIVARIATE QUASI-INTERPOLATION NEURAL NETWORK OPERATORS", CUBO, ACCEPTED 2012.

339."FRACTIONAL VORONOVSKAYA TYPE ASYMPTOTIC EXPANSIONS FOR QUASI-INTERPOLATION NEURAL NETWORK OPERATORS", CUBO A MATH J, VOL.14, NO. 03, 71-83, OCT 2012.

340."MULTIVARIATE VORONOVSKAYA TYPE ASYMPTOTIC EXPANSIONS FOR NORMALIZED BELL AND SQUASHING TYPE NEURAL NETWORK OPERATORS", NEURAL, PARALLEL AND SCIENTIFIC COMPUTATION 20(2012), 1-10.

341. "FRACTIONAL VORONOVSKAYA TYPE ASYMPTOTIC EXPANSIONS FOR BELL AND SQUASHING TYPE NEURAL NETWORK OPERATORS", J. OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, TO APPEAR 2013.

342. "RATE OF CONVERGENCE OF SOME NEURAL NETWORK OPERATORS TO THE UNIT-UNIVARIATE CASE, REVISITED", VESNIK, ACCEPTED 2012.

343. "RATE OF CONVERGENCE OF SOME MULTIVARIATE NEURAL NETWORK OPERATORS TO THE UNIT, REVISITED", J. OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, TO APPEAR 2013.

344. "FRACTIONAL APPROXIMATION BY NORMALIZED BELL AND SQUASHING TYPE NEURAL NETWORK OPERATORS", NEW MATHEMATICS AND NATURAL COMPUTATION, TO APPEAR 2013.

345. "RATIONAL INEQUALITIES FOR INTEGRAL OPERATORS UNDER CONVEXITY", COMMUNICATIONS IN APPLIED ANALYSIS, 16 (2012), NO. 2, 179-210.

346. G. ANASTASSIOU AND I. IATAN, "NEW ALGORITHMS OF MODELLING AND SIMULATION FOR GETTING SOME RANDOM NUMBERS", J. OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, TO APPEAR 2013.

347. "FRACTIONAL INTEGRAL INEQUALITIES INVOLVING CONVEXITY", SARAJEVO J. OF MATH, M. KULENOVIC 60TH BIRTHDAY, ACCEPTED 2012.

348. "ON DISCRETE GAUSS-WEIERSTRASS AND PICARD OPERATORS", PANAMERICAN MATHEMATICAN J., ACCEPTED 2012.

349. "MULTIVARIATE FUZZY- RANDOM NORMALIZED NEURAL NETWORK APPROXIMATION OPERATORS", ANNALS OF FUZZY MATHEMATICS AND INFORMATICS, ACCEPTED 2012.

350. "VECTORIAL INEQUALITIES FOR INTEGRAL OPERATORS INVOLVING RATIOS OF FUNCTIONS AND CONVEXITY", DISCONTINUITY, NONLINEARITY AND COMPLEXITY, 1(3)(2012) 279-304.

351. "VECTORIAL SPLITTING RATIONAL Lp INEQUALITIES FOR INTEGRAL OPERATORS", J. OF APPLIED NONLINEAR DYNAMICS, ACCEPTED 2012.

352. "BASIC FRACTIONAL INTEGRAL INEQUALITIES", J. OF APPLIED FUNCTIONAL ANALYSIS, AMAT 2012 PROCEEDINGS, TO APPEAR 2013.

353. "INTEGRAL OPERATOR INEQUALITIES ON TIME SCALES", INTERNAT. J. OF DIFFERENCE EQUATIONS, VOL. 7, NO. 2, 2012, 111-137.

354. "VECTORIAL INTEGRAL OPERATOR CONVEXITY INEQUALITIES ON TIME SCALES", J. OF CONCRETE AND APPLICABLE MATHEMATICS, TO APPEAR 2013.

355. WITH SALAHUDDIN AND M.K. AHMAD, "SENSITIVITY ANALYSIS FOR GENERALIZED SET VALUED VARIATIONAL INCLUSIONS", J. OF CONCRETE AND APPLICABLE MATHEMATICS, TO APPEAR 2013.

356. "SEPARATING RATIONAL Lp-INEQUALITIES FOR INTEGRAL OPERATORS", PANAMERICAN MATHEMATICAL J., VOL 22 (2012), NO. 3, 117-145.

357. "UNIVARIATE HARDY TYPE FRACTIONAL INEQUALITIES", AMAT 2012 PROCEEDINGS VOLUME, SPRINGER, NY, 2013, TO APPEAR.

358. "VECTORIAL HARDY TYPE FRACTIONAL INEQUALITIES", BULLETIN OF TBILISI INTERNATIONAL CENTRE OF MATHEMATICS AND INFORMATICS (TICMI),

VOL. 16, NO. 2, 2012, 21-57.

359. G. ANASTASSIOU AND R. MEZEI, "REVERSE AND FORWARD FRACTIONAL INTEGRAL INEQUALITIES", AMAT 2012 PROCEEDINGS VOLUME, SPRINGER, NY, 2013, TO APPEAR.

Refereed Conference Publications

Many

Presentations - Conference (refereed *)

1. Invited 1 hour main speaker in 5th International Congress on Comput. and Appl. Math., July 27 - Aug. 1, 1992: Leuven, Belgium.

2. Invited 1 hour main speaker in 1st International Conference on "Approximation, Probability, and Related Fields," May 20- 22, 1993, Santa Barbara, CA (U.C.S.B.).

3. Invited 1 hour main speaker in 2nd International Conference on "Non-Linear Analysis," July 10-17, 1996, Athens, Greece.

4. Invited 1 hour main speaker in 5th International Colloquium on "Numerical Analysis," August 13-17, 1996, Plovdiv, Bulgaria.

5. Invited 1 hour main speaker in the 3rd International Conference on "Marginal Moment Problems," September 1-7, 1996, Prague, Czech Republic.

6. Invited 30 minute talk for International Conference "Combinatorial & global optimization," Chania Crete-Greece, May 25-29, 1998.

7. International Congress of Mathematics 94, Zurich, Switzerland.

8. Annual Meetings of the American Mathematical Society

(a) January, 1984 (Louisville, Kentucky), also chairman of "Approximation and Expansions" session.

(b) January, 1985 (Anaheim, California)

(c) January, 1986 (New Orleans, Louisiana)

(d) January, 1987 (San Antonio, Texas)

(e) January, 1988 (Atlanta, Georgia) [invited talk at the special session on total positivity]

(f) January, 1990 (Louisville, Kentucky)

(g) January 1991 (San Francisco, CA)

(h) January 1992 (Baltimore, Maryland) (invited to talk at the special session on Harmonic Anal., Signals and Wavelets)

(i) January 1993 (San Antonio, Texas)

(j) January 1994 (Cincinnati, Ohio), also I was the Chairman of "Approximation and Expansions" session.

(k) January 1995 (San Francisco, CA), presented 3 papers, Chairman of the session "Sequences, Series and Approximations."

(l) January 1996 (Orlando, FL) absent, 20 min. invited speaker in the session "Computational Harmonic Analysis and Approximation Theory."

(m) January 1997 (San Diego, CA)

(n) March 1997 (Memphis, TN), sectional meeting of AMS.

(o) January 1998 (Baltimore, MD), also chairman of "Approximation and Expansions," session.

(p) January 1999, (San Antonio, Texas).

(q) January 2000, (Washington, D.C.)

(r) January 2001, (New Orleans, LA).

(s) April 2001,(Las Vegas,NV).

(t) January 2002(San Diego,CA),20'min. invited talk in special session,"Analysis and Application of Quasilinear PDEs".

(1) May 2002(Montreal,Canada),Sectional meeting of AMS,contributed talk.

(2) January 2003(Baltimore,Maryland),annual meeting of AMS,contributed talk, and chairing "Analysis" session.

(3) January 2004(Phoenix,AZ),annual meeting of AMS,contributed talk.

(4) January 2005(Atlanta,GA),annual meeting of AMS,contributed talk.

9. (i) Fifth International Symposium on Approximation Theory January, 1986 (College Station, Texas)

(ii) Eighth International Symposium on Approximation Theory, January 1995 (College Station, TX), presented 2 papers.

(iii) Ninth International Symposium on Approximation Theory, January 1998 (Nashville, TN).

(iv) "Trends in Approximation Th. 2000", International conference, Vanderbilt University, Nashville, TN, May 17-20, 2000.

(v) "10nth International Conference on Approximation Theory",hotel Sheraton,St.Louis,MO,March 26-29,01.

(vi) "11nth International Conference on Approximation Theory",hotel Park Vista,Gatlinburg,TN,5-(18-20)-04.

10. Annual Meetings of Southeastern Approximation Theorists

(a) April, 1987 (University of South Carolina)

(b) April, 1988 (Georgia Institute of Technology)

(c) January 1989 (Texas 6th International Symposium on Approximation Theory)

(d) April 1989 (Auburn University)

(e) March 1990 (University of South Florida) (in conjunction with the 1st US - USSR international meeting on Approximation Theory.)

(f) March 1991 (University of Memphis)

(g) January 1992 (Texas 7th International Symposium on Approximation Theory)

(h) November 1994 (Vanderbilt University), presented 2 papers.

(i) April 1997 (University of Georgia, Athens).

11. (i) Regional Meeting of A.M.S., U.S.F., Tampa, FL, March 1991, 20 minute talk.

(ii) Regional Meeting of A.M.S., University of Alabama, Tuscaloosa, March 1992, 20 minute invited talk.

(iii) Regional Meeting of A.M.S., S.W.M.S.U., Springfield, Missouri, March 1992, 20 minute invited talk.

(iv) Regional Meeting of A.M.S., U.T., Knoxville, TN, March 1993, 20 minute contributed talk.

(v) Regional meeting of A.M.S., U.C.F., Orlando, FL, March 95, two 20 minute invited talks. Presented two 2 papers.

(vi) Regional meeting of A.M.S., NYU, Courant Institute, April 1996, 10 minute contributed talk.

(vii)Regional meeting of A.M.S., Univ. Illinois at Urbana-Champaign, March 1999, 20 minute invited talk, Chair of Session.

(viii)Regional meeting of AMS,Univ.Central Florida,Orlando,FL.,Nov.2002,20'minutes invited talk,Organizer

of session on "Computational Methods in Analysis".

12. Organizer "Approximation Theory" seminar giving talks. (1994-1995)

13. Member of scientific committee of 7th Intern. Congress on Computational and Appl. Math.", July 21-26 1996, Leuven, Belgium.

14. Local Chair of regional meeting of the A.M.S. in Memphis, March 1997.

15.Organizer of special session on "Approx. in Math." in regional meeting of A.M.S. in Memphis, March 1997.

16. 20'min. contributed talk in "Trends in Banach Spaces",U.Memphis,Oct5-9,2001.

17.Contributed talk in Regional meeting of AMS,Vanderbilt.U.,Nashville,TN,October 2004.

18.Contributed talk in "5th Intern.Conf on Functional Anal.and Approximation Th.",in Maratea-Italy,June (16-20),2004.

PRESENTATIONS IN CONFERENCES OF PERIOD 2005-2006.

1)AMS annual meeting,January 2006,San Antonio,Texas.

2)AMS regional meeting,ETSU,Johnson City,TN,Oct.05,20'min.INVITED talk.Also Chair of an Approx.Th.session.

3) 1 hour invited speaker,"Internat.Conf.Diff.&Difference Equations with Appl.",in Melbourne,FLA, (1-5) Aug.05.

4) 1 hour invited speaker,"Internat.Conf.Numerical Analysis and Applied Mathematics 05",in Rhodes,Greece,Sept(16-20)-05.

More Presentations 2006:

1)AMS regional meeting,April 2006,U.Notre Dame,IN,20' invited talk.

2)Lectures Summer 06:Universities of Peloponnese,Patras(Greece),U.of Bari(Italy).

3)MAIN SPEAKER in International Conference on "Numerical Analysis and

Approximation Theory 2006",July 5-9,U.Babes-Bolyai,Cluj-Napoca,Romania.

PRESENTATIONS 2008

1)JAN.6-9,2008, SAN-DIEGO ,CA, #1035 AMS ANNUAL MEETING, 30'

INVITED TALK,IN THE SPECIAL SESSION "MONOTONE DISCRETE

DYNAMICAL SYSTEMS AND APPLICATIONS".

2) PLENARY SPEAKER AND ORGANIZER OF "AMAT 2008" ("APPLIED MATHEMATICS AND APPROXIMATION THEORY INTERNATIONAL CONFERENCE") DURING OCTOBER 11-13, 2008, U.MEMPHIS, MEMPHIS,TN,USA.

TITLE OF 1-HOUR TALK:"FRACTIONAL DIFFERENTIATION INEQUALITIES".

III) G.ANASTASSIOU WAS INVITED AND LECTURED DURING HIS SABBATICAL SEMESTER-SPRING 08, PERIOD MARCH 17- APRIL 5, 2008 IN: (1) PONTIFICA CATHOLIC UNIVERSITY OF SANTIAGO, CHILE, (2) NATIONAL INSTITUTE OF NUMERICAL COMPUTATIONS ,IN PETROPOLIS,BRAZIL, (3) FEDERAL UNIVERSITY OF RIO DE JANEIRO, BRAZIL, AND (4) NATIONAL UNIVERSITY OF SAN MARTIN, BUENOS AIRES, ARGENTINA.

IV) GEORGE ANASTASSIOU GAVE THE FOLLOWING TALKS AND PARTICIPATED IN THE FOLLOWING CONFERENCES DURING SUMMER 2008: (1)"INTERNATIONAL CONFERENCE IN CHAOS II", ISTANBUL, TURKEY,MAY 6-10,2008.HE WAS AN 1-HOUR PLENARY SPEAKER AND LECTURED ON "CAPUTO FRACTIONAL INEQUALITIES". (2) HE WAS INVITED AND LECTURED ABOUT "FRACTIONAL CALCULUS ", IN TOBB ECONIMICS UNIVERSITY, ANKARA, TURKEY, MAY 11-14, 2008.(3) HE WAS INVITED AND LECTURED AT ATHENS UNIVERSITY,GREECE,CONFERENCE OF GREEK ANALYSTS,MAY 15-17,2008,ABOUT "FRACTIONAL INEQUALITIES".

(4) HE PARTICIPATED IN "INTERNATIONAL CONFERENCE IN ALGEBRA",IN ATHENS TECHNICAL UNIVERSITY, DURING MAY 27-29,2008.

1) #115 ANNUAL MEETING OF AMS IN WASHINGTON, DC, JAN. 5-8, 2009, CONTRIBUTED TALK.

2) AT UNIVERSITY OF ATHENS, MATH. DEPT., GREECE, ONE HOUR TALK, MAY- 21-2009.

ANASTASSIOU TALKS 2010

1) 20' MINUTES INVITED TALK, ANNUAL MEETING OF AMS, SAN FRANCISCO, CA, JAN. 13-16, 2010.

2) PLENARY SPEAKER IN 3RD INTERNATIONAL SYMPOSIUM IN CHAOS AND COMPLEX SYSTEMS, MAY 21-24, 2010

ISTANBUL KULTUR UNIVERSITY, TURKEY.

3) CONTRIBUTED TALK IN GREEK NATIONAL CONFERENCE OF MATH. ANALYSTS,

U. IOANNINA, GREECE, MAY28-29, 2010.

GREECE

TWO 20' MINUTES INVITED PRESENTATIONS IN THE ANNUAL MEETING OF AMS, NEW ORLEANS, LA, JANUARY 6-9, 2011

GEORGE ANASTASSIOU 2012 TALKS:

1) IN 118TH AMS ANNUAL MEETING , JANUARY 4-7, 2012, BOSTON, MA: HE PRESENTED 3 ARTICLES, 2 OF THEM WERE INVITED.

2) HE DELIVERED 2 PLENARY HOURLY LECTURES IN THE INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS AND APPROXIMATION THEORY 2012

(AMAT 2012), HELD IN ANKARA, TURKEY, TOBB UNIVERSITY OF ECONOMICS AND TECHNOLOGY, DURING MAY 17-20, 2012. THE CONFERENCE WAS

ORGANISED TO CELEBRATE PROFESSOR ANASTASSIOU 60TH BIRTHDAY.

Presentations - Universities/Industry (refereed *)

1. During 1984-1997 I gave: Invited talks at St. Louis University, U.R.I., Brown University, Kent State University, G. Washington University, Washington, DC., University of Texas at Arlington, University of Tulsa, Kansas State University, Memphis State University and Wichita State University.

2. Invited talks at the University of Duisburg, Technological Institute of Aachen in W. Germany, also in the Bulgarian Academy of Science, Sofia (Summer 1990), University of Frankfurt (July 1991), Oakland University (November 1993).

3. Invited talks in most of Greek Universities (1984-1998) more than one time in most of them.

4. Invited talks during my sabbatical, Spring semester 1993:

(i) Colloquium and seminar at University NC. Stat. Dept. (February 1993)

(ii) Colloquium at Erlangen University, Germany, (February 1993)

(iii) Colloquium at University of Athens, Greece, (March 1993)

(iv) Colloquium at Amer. Univ. Cairo, Egypt, (March 1993)

5. Second annual University of Arkansas, M.S.U. Math exchange.

6. I have been giving about 2 talks per semester in our Analysis Seminar at the University of Memphis (1986-1997).

7. During my sabbatical of Spring semester, 1993, I did active research at the University of North Carolina with S. Cambanis (Stat.), and at Oberwolfach - Math Research center (NATO Grant) with H. Gonska (Math-E.B.S.), Germany.

8. During April 11-14, 1998 I was invited at NYC by Plenum Press to hold organizational talks about G.A.s J. of CAAA.

9. During August 23-24, 1999, I was invited/lectured at the University of Macedonia, Greece.

10. Invited/gave lectures, did research during March-April 2000 (Sabbatical Spring semester 2000) in:

i. City University of Hong-Kong

ii. National University of Singapore

iii. University of Adelaide - Australia

iv. University of South Australia

v. Victoria University in Melbourne, Australia

vi. University of New South Wales, Sydney, Australia

vii. University of Auckland, New Zealand

viii. State University of California at Los Angeles

ix. Took part in the Conference on Fundamental Sciences, Singapore, March 17, 2000.

11.During May 10-30,2003:Research Collaborations in "Technological University of Compiegne"(France),

"University of Karlsruhe"(Germany),invited one hour talks at "University of Duisburg-Essen"(Germany),

"University of Patras"(Greece).

12.During Summer 2004 he lectured at the University of Perugia-Italy,U.Patras-Greece,Istanbul Kultur University,Turkey

and had scientific contacts in Albania,universities of Tirana and Argyrocastro also at the U.Ioannina-Greece.

AFTER INVITATION I GAVE 2 ONE HOUR LECTURES IN UNIVERSITY OF ROME "LA SAPIENZA",ITALY,JULY 10,2002.

1)ON 3-9-05 PRESENTED AN ANALYSIS SEMINAR AFTER INVITATION AT THE UNIVERSITY OF MISSISSIPPI,OXFORD,MISS.

2) ONE TALK IN EACH SPRING 05 AND FALL 05 SEMESTERS,U.MEMPHIS IN APPLIED MATH.SEMINAR.

3)DURING MAY 9-15,05,INVITED TRIP AND TALKS TO TOKYO,JAPAN.I GAVE 2 LECTURES IN WASEDA.U, AND 1 IN TOKYO U.OF SCIENCE.

Other Presentations (refereed *)

DURING ALL OF MY EMPLOYMENT GIVING 2-4 LECTURES ANNUALLY AT THE UNIVERSITY OF MEMPHIS SINCE 1986,AND EARLIER AT URI

1984-2008 ,IN DEPARTMENT OF MATHEMATICAL SCIENCE SEMINARS,PRESENTING ALWAYS NEW ORIGINAL RESEARCH PAPERS.

PRESENTATIONS 2007

1) 45' invited talk in # 1023 AMS annual meeting,N.Orleans,LA,Jan.5-8,2007.

2) 20' contributed talk in "12 th International Conference on Approx.Theory",March 4-8,2007,

San Antonio,TX.

3) 30' talk in "31st SIAM Southern-Atlantic Section Conference",May 4-5,07,U.Memphis,TN.

4) Invited talk at the " Union of Greek Mathematicians",Athens,Greece 5-13-07.

5) Invited talk at " Academy of Science",Budapest,Hungary,5-24-07.

6) 25' invited talk in Wavelet and Splines special session in Regional AMS mtg #1033,Murfreesboro,TN,Nov.3-4 ,07.

SUPPORT

(External)

ACTIVITY	AGENCY/SOURCE	AMOUNT	PERIOD
Travel Research Grant	NATO		1990-1993
Renewal	NATO		1992, 1993
6th S,E.A. Conference	NSF	$8,500.00	1991

SERVICE

UNIVERSITY	COMMITTEE/ACTIVITY	PERIOD
DEPT.of MATH:Graduate Curriculum and T&P	Committees	2006-2007
U.Memphis/College of Arts and Sciences	Graduate Council Committee	Fall 2007
Dept.Math.Sci.	Graduate Program Committee	Fall 2007
Dept.Math.Sci.	T and P committee	2007-2008
Dept.Math.Sci.,	Graduate students committee, T & P committee	2008-2011
MEMPHIS/MATH.DEPT	HIRING COMMITTEE	2010-11
U. MEMPHIS/MATH.DEPT	T AND P	2012-2013
U. MEMPHIS/MATH. DEPT	LIBRARY	2012-2013

Appendix A

Academic Year (please indicate year)	Course #	Course Name	Credit Hours	Percent Taught	Enrol l	Labratory Supervised(S)/Instructed(I)	New Preparation (Y) /(N)
Fall	1312	Elementary Calculus	3.0	100	30		N
1995	3391	Differential Equations	3.0	100	20		N
Spring	1312	Elementary Calculus	3.0	100	27		N
1996	3391	Differential	3.0	100	18		

		Equations					
Fall	1312	Elementary Calculus	3.0	100	25		N
1996	7721	Numerical Analysis	3.0	100	16		N
Spring	1312	Elementary Calculus	3.0	100	20		N
1997	3391	Differential Equations	3.0	100	22		N
Fall	1211	College Algebra	3.0	100	25		N
1997	1312	Elementary Calculus	3.0	100	35		N
Spring	1312	Elementary Calculus	3.0	100	25		N
1998	3391	Differential Equations	3.0	100	20		N
Fall	1312	Elementary Calculus	3.0	100	40		N
1998	4721/6721	Numerical Analysis	3.0	100	15		N
Spring	1312	Elementary Calculus	3.0	100	50		N
1999							
Fall	1312	Elementary Calculus	3.0	100	40		N
1999	3391	Differential Equations	3.0	100	25		N
Spring		On professional development leave					
2000							
Fall	1312	Elementary Calculus	3.0	100	60		N
2000	3391	Differential Equations	3.0	100	35		N
Spring	1182	Foundations of Math II	3.0	100	30		N
2001	3391	Differential Equations	3.0	100	28		N
Fall	1420	Foundations of Math. II	3.0	100	50		N
2001	3120	in Fall Diff.Equations	3.0	100	30		N
2002	1830	in Spring Elem.Calculus	3	100	90		N
2002	3120	in Spring Diff.Equations	3	100	30		N
2002	1830	in Fall El.Calc.	3	100	70		N
2002	3242	in Fall Intro Linear Algebra	3	100	28		N
2003	1830	in Spring Elem.Calc.	3	100	95		N
2003	3242	in Spring Intro.Lin.Alg.	3	100	25		N

2003	...	in Fall Research Appointment	...	100	...		Y
2004	1830	in Spring Elem.Calc.	3	100	85		N
2004	3242	Spring Intro.Lin.Alg.	3	100	15		N
2004	1710	Fall College Algebra	3	100	85		N
2004	1830	Fall Elem.Calc.	3	100	40		N
2005	1420	Spring Foundations of Math.II	3	100	80		N
2005	3120	Spring Diff.Equations	3	100	30		N
2006	1830	Elem.Calc. for Fall	3	100	90		N
2006	6721/4721	Numerical Analysis for Fall	3	100	15		N
2006	3120	Diff.Equations for Spring	3	100	40		N
2006	1710	College Alg. for Spring	3	100	90		N
2006-2007	MATH 1710	College Algebra	3	100	95		NO
2006-2007	MATH 3120	Intro.Differential Equations	3	100	20		NO
2006-2007 Spring	MATH 1710	College Algebra	3	100	85	NO	NO
2006-2007 Spring	MATH 3242	Linear Algebra	3	100	15	NO	NO
2007-2008 Fall	MATH 1830	Elementary Calculus	3	100	85	NO	NO
2007-2008 Fall	MATH 6721/4721	Numerical Analysis	3	100	9	NO	NO
2007-2008 SPRING	N/A	ON PROFESSIONAL DEVELOPMENT ACTIVITY	N/A				
2008-2009/ Fall 2008	MATH 1830-8	ELEMENTARY CALCULUS	3	100	60		NO
2008-2009/ Fall 2008	MATH 3242-2	LINEAR ALGEBRA	3	100	15		N
2008-2009/ Spring 2009	MATH 1710-8	COLLEGE ALGEBRA	3	100	80		NO
2008-2009/ Spring	MATH 1710-10	COLLEGE ALGEBRA	3	100	75		NO

2009							
2009-2010/ FALL 09	MATH 1830-8	ELEMENTARY CALCULUS	3	100	55		NO
2009-2010/ FALL 09	MATH 3242-2	INTROD. TO LINEAR ALGEBRA	3	100	35		NO
2010 spring	MATH 1710-9	COLLEGE ALGEBRA	3	100	60		N
2010 spring	MATH 1710-10	COLLEGE ALGEBRA	3	100	50		N
2010--SUMMER	MATH 1710- 205	COLLEGE ALGEBRA	3	100	45		N
2010-FALL	MATH 1830-7	ELEMENTARY CALCULUS	3	100	90		N
2010-FALL	MATH 1830-8	ELEMENTARY CALCULUS	3	100	50		N
SPRING 2011	MATH 1830-007	ELEMENTARY CALCULUS	3	100	59		N
SPRING 2011	MATH 1830-008	ELEMENTARY CALCULUS	3	100	52		N
SUMMER 2011	MATH 1830-105	ELEMENTARY CALCULUS	3	100	12		N
FALL 2011	MATH 1830-OO7	ELEMENTARY CALCULUS	3	100	95		N
FALL 2011	MATH 1830-008	ELEMENTARY CALCULUS	3	100	40		N
SPRING 2012	MATH 1710-9	COLLEGE ALGEBRA	3	100	70		NO
SPRING 2012	MATH 1830-10	ELEMENTARY CALCULUS	3	100	65		NO
SUMMER 2012-SESSION ONE	MATH 1830-102	ELEMENTARY CALCULUS	3	100	30		NO
FALL 2012	MATH 1830-6	ELEM. CALC.	3	100	50		NO
FALL 2012	MATH 1830-7	ELEM. CALC.	3	100	90		NO

Appendix B

Additional Information on Advising/Mentoring

Appendix C

ORGANIZED AMAT 2012, ANKARA, TURKEY, MAY 17-19, 2012.
CREATIVE ACTIVITIES (productions, recitals, performances, compositions, exhibits, creative work) I have done Research and given Lectures 1986-2012 at The University of Memphis.Also the rest of the listed people below as they were invited by myself,we did research here and they gave lectures.

1. J. Kemperman [Rutgers University]
2. G. Dassios [University of Tenneessee / Patras University, Greece]
3. R. Zalik [Auburn University]
4. O. Shisha [Ohio State University / University of Rhode Island]
5. ST Rachev [U.C. at Santa Barbara]
6. GE. Cheney [University of Texas at Austin]
7. HH. Gonska [European Business School, Germany & University of Duisburg]
8. T. Erdelyi [Ohio State Univ.]
9. C. Chui [Texas A & M University]
10. AK. Varma [University of Florida]
11. Z. Nashed [University of Delaware]
12. XM. Yu [Southwest Missouri State University]
13. M.Ganzburg [Courant Institute]
14. D.Kolzow [Erlangen University, Germany]
15. Y. Argyros (Cameron Univ., Oklahoma)
16. S. Gal (University of Oradea, Romania), Fall 2000 visiting University of Memphis
17. G.Walter (U.Wisconsin,Milwaukee),Spring 2002
I was the organizer of the 1991 Southeastern Approximation Theorists annual meeting at the University of Memphis: 6th SEA meeting,that is the organizer of 6th S.E. Approximation Theory International Conference, March 14-16, 1991.
I was the organizer with S.T.Rachev of the 1st International conference on “Approximation,Probability and related fields”,May 20-22,1993,Santa Barbara,CA(UCSB).
Initiator / Local Organizer of #919 AMS Conference at the University of Memphis, March 21-22, 1997 and the organizer of a special session on “Approximation in Mathematics”.
Organiser of Special session “Computational Methods in Analysis”,Nov.9-10,02,Univ.Central Florida,Orlando, #982 AMS Sectional Meeting. ORGANIZER AMAT 2008,U.MEMPHIS, 10- (11-13)-2008.
SERVICE: UNIVERSITY
COMMITTEE/ACTIVITY
Department of
Mathematical Sciences
Colloquium Committee and course coordinator for Math 1213. I am also a member of the Graduate Faculty.CURRENT
Member of Travel, Mid-South Colloquium and TMTA committees 1991-1992.
Member of the U of Memphis Senate 1991-1992.
Coordinator for Math 1213 Fall 1992.
Member of the travel and salary committees Fall 1992.
Member of the travel and salary committees 1993-94.
Chairman of “Mid-South Colloquium” and “Colloquium” Committees, also a member of the hiring committee 1994-95.
Member of Colloquium and Travel Committees 1995-96.
Member of Curriculum and Travel Committee 1996-97.
Chairman Library Committee 1997-2000.
Tenure & Promotion Committee at the College of Arts and Sciences 1997-2003.
Member Graduate Committee 2000-2001.
Member of Library Committee 2001-2005.
Member of Tenure & Promotion Committee in Dept.Math.Sci.2003-2006. Library Committee 2005-2006 AND 2012-2013.

Curriculum Graduate Committee 2005-2006. GRADUATE/ T &P COMMITTEES, 2008-2011. T &P COMMITTEE 2012-2013.
OTHER Society/Organization/Journal
COMMITTEE/EDITORIAL BOARD/OFFICE
Journal of Computational Analysis and Applications(ISI APPROVED) Editor In-Chief 1998-
Journal of Concrete and Applicable Mathematics(NEW) Editor In-Chief 2002-
Journal of Applied Functional Analysis Editor In-Chief 2004-
Journal of Computational and Applied Mathematics Associate Editor 1992-98.
Southwest Journal of Pure and Applied Mathematics(discontinued) Assoc.Ed. 1995-2000.
Journal of Communications in Applied Analysis,Assoc.Ed. 1998-
International Journal of Applied Mathematics Assoc.Ed. 1999-
International Journal of Differential Equations and Applications Assoc.Ed. 1999-
Computational Mathematics and Applications Books
Springer-(Kluwer-Plenum)Consultant Editor 1999-
Applied Mathematical Sciences Books
Birkhouser-Boston Consultant Editor 1999-
Cubo Assoc.Ed. 1999-
Journal of Advances in Non-linear Variational Inequalities" Assoc.Ed. 1999,2004-
Journal of Inequalities in Pure and Applied Mathematics (electronic) Assoc.Ed. 1999- 2010.
Anals of University in Oradea,fascicola mathematica Assoc.Ed. 2001-
Applied Mathematics Books
CRC Press Advisor 1999-
"Concrete and Applicable Mathematics" Book Series ,World Scientific Publishing Company,Editor In Chief 2000-
Books in Mathematics Advisor to NOVA Publ.Co. 2002-
Mathematical Inequalities and Applications,Assoc.Ed.,2000-2011.
Archives of Inequalities and Applications,Assoc.Ed.,2003-2004.
International J.of Pure and Applied Math.(IJPAM),Assoc.Ed.,2003-
International J. of Computational and Numerical Analysis with Applications,Assoc.Ed.,2003-
Honorary Editor Australian Journal of Mathematical Analysis and Applications,Assoc.Ed.,2004-
Internat.J.Appl.Math.Sci.,Assoc.Ed.,2004-
Panamerican Math.J.,Assoc.Ed.,2004-
J.of Inequalities and Appl.,Assoc.Ed.,2004-2009.
Global Journal of Pure and Applied Mathematics,Assoc.Ed.,2005-
Internat.J.of Theoretical and Applied Mathematics,Assoc.Ed.,2005-
The global J.of Appl.Math. & Math.Sci.,Assoc.Ed.,2005-
BOOK REVIEWER
External Examiner for Faculty Promotions in King Fahd University,Saudi Arabia,2000-2001,2005.
Member of The University of Memphis Committee for the Alumni
Distinguished Research Award, 2001,2002.
Honorary President(and President from 2007) of Society for study and promotion of Ancient
Greek Mathematics, 2000-
Pacific-Asian J.of Math. , Assoc.Ed. 2005-
Internat.J.of Math. & Analysis, Assoc.Ed. 2005-
Internat.Review of Fuzzy Mathematics, Assoc.Ed. 2005-
Advances in Nonlinear Analysis and Appl., Assoc.Ed. 2005-
Internat.J.of Optimization Theory and Applications, Assoc.Ed. 2006-
EUDOXUS PRESS,LLC,PRESIDENT, 2005-
J.Math.Anal.& Approx.Th., Assoc.Ed.,2005-

Advances in Theoretical & Applied Math.,Assoc. Ed.,2005-
Mathematics Applied in Science and Technology, Assoc.Ed.,2005-
Advances in Fuzzy Mathematics, Assoc.Ed.,2006-
Internat.J.of Math.Sciences,Assoc.Ed., 2005-
Antarctica J. of Math., Assoc.Ed., 2005-
Journal of Contemporary Mathematics,2006-
Journal of Nonlinear Functional Analysis. & Appl. 2006-
Oriental Journal of Pure and Appl.Math.2006-
Internat.J.of Computing & Math.Appl. 2006-
Fuzzy Algebra & Rough Algebra,2006- Fuzzy Algebra and its Appl. 2006- J.of Wavelet Theory and Appl. 2006-
Internat.J.of Nonlinear Operators theory & Appls. 2006-
Internat.J.of Computational Mathematics and Numerical Simulation 2006-
RdE-Journal of Mathematical Science,2007-
J.NONLINEAR ANALYSIS AND ITS APPLICATIONS,ELECTRONIC,2008-
INTERNAT. J. ON OPEN PROBLEMS IN COMP. SCI. AND MATH., 2008-
HONORARY EDITOR OF " THE JOURNAL OF NONLINEAR SCIENCE AND ITS
APPLICATIONS, 2008-
EXTERNAL EXAMINER PH.D DEFENSE, 2009, BAHAUDDIN ZAKARIA. U. MULTAN, PAKISTAN
ISST J. OF APPLIED MATH. 2009- INTERNAT. ELECTRONIC J. OF PURE AND APPLIED MATH. 2010- CURRENT DEVELOPMENT IN THEORY AND APPLICATIONS OF WAVELETS, 2010- J. MATH. ANALYSIS, 2010- ASIAN AFRICAN J. OF MATH. AND MATH. SCI. 2010-
ASSOC. EDITOR: "J. MATHEMATICAL AND COMPUTATIONAL SCIENCE", 2011-.
ASSOC. EDITOR: ADVANCED J OF PURE AND APPLIED MATH, AN INTERNATIONAL JOURNAL: 2011-.
ASSOC. EDITOR: J. OF NONLINEAR EVOLUTION EQUATIONS AND APPLICATIONS" (ELECTRONIC), 2011-.
GLOBAL ADVISORY MEMBER OF IFNA, 2010-.
INTERN. J. OF POLYNOMIALS AND APPLS., 2011-
J. APPLIED MATH. AND STAT., 2012-
PROGRESS IN APPLIED MATH., 2012-
STUDIES IN MATHEMATICAL SCIENCES, 2012-

Appendix D

Additional Information on Support

Appendix E

Additional Information on Outreach
Appendix A
Preparation

Elementary Calculus,Calculus I,II,III
Differential Equations,PDE
Numerical Analysis,Probability
College Algebra
Foundations of Math I and II ,Trigonometry
Introduction to Linear Algebra,Complex Analysis,Real Analysis. PUBLICATIONS ADDENDUM I have been the referee of many papers for various Journals and books about Approx.Th.,inequalities,etc,in Mathematical Reviews and Zentralblatt.
Appendix C
ARTICLES IN PREPARATION 1. "Korovkin Theorems for Random Functions."
2. "Wavelets and Probability."
3. "Approximate Solutions of P.D.E."s - Probabilistic Approach."
4. "Approximation on Neural Networks."
5. "On Opial Inequalities."
6. "Asymptotic Expansions Related to Stationary Processes."
7. On Prokhorov radius
8. On Global Smoothness
9. Several papers in Fuzzy Approx. Th.
10. On Riemann Hypothesis
11. "On inequalities", several papers.
12. "On Fuzzy Approximation Theory",several papers.
13. "On Fractional Analysis",several papers.
14. "On optimal portfolio management".
15. "Complex Approximation Theory",several papers. 16.Approximation of Stochastic Processes,several papers. 17.Set valued functions Approximation,several papers. 18.Classical inequalities,several papers. 19.Complex Fuzzy Approximation,several papers. 20. "On Statistical Approximation of Operators" 21. "On Poincare and Sobolev Fractional Inequalities" 22. SEVERAL PAPERS ON APPROXIMATION BY SINGULAR INTEGRALS AND SUMS. 23. SEVERAL PAPERS ON FRACTIONAL FUZZINESS, Q-CALCULUS,DISCRETE FRACTIONAL CALCULUS, TIMES SCALES CALCULUS AND INEQUALITIES, ETC. 24. several papers in stochastic inequalities and approximation. 25. 10 papers in preparation in approximation theory by neural networks in fuzzy, fuzzy random

and fractional environments.
Much of my work is joint research. My collaborators include:
1. S.T. Rachev (U.C. at Santa Barbara)
2. O. Shisha (University of Rhode Island)
3. H. Gonska (University of Duisburg - Germany)
4. C. Cottin (University of Duisburg - Germany)
5. XM. Yu (Southwest Missouri State University)
6. S. Cambanis (Univ. North Carolina)
7. A. Bendikov, (University of Passau - Germany) 8. M. Ganzburg (Courant Institute)
9. T. Rychlik (Polish Academy of Science)
10. S. Gal (U. Oradea, Romania)
11. J. Pecaric (Croatia)
12. J. Koliha (Melbourne, Australia)
13. S. Dragomir (Melbourne, Australia)
14. S. Penev (Sydney, Australia)
15. V. Papanicolaou (Wichita State University, KS and Athen s Technical Institute,Greece)
16. Gisele Ruiz Goldstein(U.Memphis)
17. Jerome Goldstein (U.Memphis). 18.Oktay Duman (Ankara,Turkey) 19.ALI ARAL (ANKARA, TURKEY) 20. RAZVAN MEZEI 21. IULIANA IATAN
Computing Knowledge
Programming capability in Fortran IV.
Computer literate
Heavy Internet User
Areas of Interest
Real and Complex Analysis
Set Theory
General Topology
Functional Analysis
Approximation Theory
Measure Theory
Moment Theory
Probability and Stochastic Processes
Numerical Analysis
Mathematical Programming
Operations Research
Wavelet and Neural Networks
Inequalities
Fuzzyness in Approximation Theory
Fractional Analysis
Mathematical Economics
Set valued functions

Complex Approximation Complex Fuzziness Statistical Approximation on Operators APPROXIMATION OF SINGULAR INTEGRALS, Q-CALCULUS, DISCRETE FRACTIONAL CALCULUS, TIME SCALES ITO-CALCULUS, WIENER CALCULUS FRACTIONAL TIME SCALES.
Member of :1) Greek Mathematical Society,1972-,
2) AMS,1981-,
3) SIAM,2003.
IN PREPARATION 2 RESEARCH MONOGRAPHS
REZA SAADATI <rezas720@yahoo.com> Aug 12, 2012 to G. ANASTASSIOU Dear Professor George A Anastassiou, I published two special issues http://www.tjnsa.com/index.php?volume=5&issue=21 http://www.tjnsa.com/index.php?volume=5&issue=22 which all papers dedicated to George A Anastassiou on the occasion of his sixtieth birthday.
ARTICLES SUBMITTED FOR PUBLICATION
1."FUZZY FRACTIONAL APPROXIMATIONS BY FUZZY NORMALIZED BELL AND SQUASHING TYPE NEURAL NETWORK OPERATORS", J. FUZZY MATHEMATICS, SUBMITTED, 2012.
2. "HIGHER ORDER MULTIVARIATE FUZZY APPROXIMATION BY BASIC NEURAL NETWORK OPERATORS", CUBO, 60TH BIRTHDAY GASTON N' GUEREKATA, SUBMITTED, 2012.
3. "APPROXIMATION BY DISCRETE SINGULAR OPERATORS", CUBO, 60TH BIRTHDAY GASTON N' GUEREKATA, SUBMITTED, 2012.
4. "VECTORIAL FRACTIONAL INTEGRAL INEQUALITIES WITH CONVEXITY", CENTRAL EUROPEAN J. OF PHYSICS, SUBMITTED, 2012.
5. "MULTIVARIATE FUZZY-RANDOM QUASI-INTERPOLATION NEURAL NETWORK APPROXIMATION OPERATORS", J. OF FUZZY MATHEMATICS, SUBMITTED, 2012.
6. "FUZZY FRACTIONAL NEURAL NETWORK APPROXIMATION BY FUZZY QUASI-INTERPOLATION OPERATOR", J. OF APPLIED NONLINEAR DYNAMICS, SUBMITTTED, 2012.
7. "HIGH DEGREE MULTIVARIATE FUZZY APPROXIMATION BY QUASI- INTERPOLATION NEURAL NETWORK OPERATORS", DISCONTINUITY, NONLINEARITY AND COMPLEXITY,
SUBMITTED, 2012.