Previous President of King Khalid University

Name   : Prof.Dr. Abdullah bin Muhammad Al Rashed

Specific Specialization : Mathematical Analysis (Complex , Functional) and

Measure Theory.

Academic Rank   : Professor

Thesis Titles for M.sc : "An Introduction to Conditional Expectation and

Martingales"

Thesis Titles for Ph.D. : " L ¥- Approximation in Probability Spaces"

Career History (Positions Held)

- Professor, Department of Mathematics, King Saud University, May 1990.
- Associate Professor, Department of Mathematics, King Saud University, May 1985-1990.
- Assistant Professor, Department of Mathematics, King Saud University, July 1981-1985.
- A graduate student of Master and Doctorate at Colorado State University (U.S.A), July 1976- July 1981 .
- Teaching Assistant, Department of Mathematics, King Saud University , Feb. 1976 - July 1976.

Administrative Positions

- The President of King Khalid University from Jun 1999 to Jun 2012.
- The Deputy Minister, Ministry of Higher Education from May 1994 to Jun 1999.
- The Dean of the School of Graduate Studies from Sept 1992 to Sept 1994.
- The Vice-Dean of the School of Graduate Studies from Sept 1987 to Sept 1992.
- A Director of Research Center, College of Science, King Saud University from August 1984 to Sept. 1985.
- A Chairman of the Department of Mathematics from July 1985 to August 1987.

Memberships of Scientific Associations

Selected Professional Activities and Memberships of Scientific Associations:

- Reviewer for the Mathematical Reviews.
- Member of the American Mathematical Society.
- Member of the Mathematical Association of America.
- Member of the London Mathematical Society.
- Member of the New York Academy of Sciences.
- Associate member of the International Center for Theoretical Physics, (Trieste, Italy) 1986-1991.
- Member of the science selection committee of King Faisal International Prize.
- Chairman of the Self-evaluation Committee, Faculty of Science (1991-1992)
- Member of the revising committee of textbook in Mathematics for elementary and intermediate schools (Ministry of Education), 1981-1983.
- Member of the national committee for mathematics, 1983 - 1987.
- Member of the undergraduate program evaluation committee at the Women's College of Education, 1989-1990.
- Member of the Civil Service Board starting in 1425 up to now.
- M.Sc. Theses Supervision:

   (a) M.Al-Okla; thesis title: " Study of Certain Metric and Topological Properties of Metric Spaces ", (1986).

   (b) M. Al-Abbas; thesis title: " Orthogonality in Normed Linear Spaces and an Introduction to Quasi-Semi-Inner Product (r,p) Spaces". (1989).

   (c) B. Al-Basset; thesis title: " Generalizations of Continuous Functions", (1993).

- M.Sc. Theses Refereeing: Refereed a number of M.Sc theses in the field of Mathematical Analysis.
- Scientific Collaboration at:

   (a) Stanford University (U.S.A), summer 1982.

(b) Laval University (Canada), summer 1983.

(c) Laval University, summer 1984.

(d) Princeton Institute for Advanced Study (U.S.A), summer 1987.

(e) Uppsala University, Sweden, summer 1988.

(f) Stuttgart University, Germany, summer 1989.

(g) Colorado State University, summer 1990.

(h) Southampton University, England, summer 1991.

(I) Paderborn University, Germany, summer 1993.

- Giving several seminars at King Saud University, University of Petroleum and Minerals, Kuwait, Laval, Stanford, Uppsala, Stuttgart, and Princeton Universities.
- Part-time consultant, King Abdulaziz City for Science and Technology, 1985-1987.
- Convener, Steering committee of the first and second symposia of the College of Graduate Studies, 1988-1989.

Conferences and Scientific Colloquiums

Participation in Conferences and Scientific Colloquiums:

- The 785th meeting of the American Mathematical Society, Reno - April 1981.
- Second world conference on mathematics at the service of man, Las Palmas, Spain, June 1982.
- First International Conference on Mathematics in the Gulf Area, Riyadh, Saudi Arabia, Oct., 1982.
- The 35th British Mathematical Colloquium, Aberdeen, U.K. April 1983.
- The 87th summer meeting of the American Mathematical Society, Albany, Aug., 1983.
- The 36th British Mathematical Colloquium,Bristol, U.K. April 1984.
- International Congress of Mathematicians, Berkeley, CA, Aug 1986.
- American Mathematical Society Centennial, Providence, RI, August 1988.
- American Mathematical Society, summer meeting Boulder, Co, August 1989.

Teaching

Since appointment in King Saud University specifically in (1981-1982), Al Rashid has taught the following courses:

- MATH 101 Calculus (1).
- MATH 103 Calculus for students of Health Sciences.
- MATH 121 Calculus (2).
- MATH 221 Calculus (3).
- MATH 281 Introduction to Real Analysis.
- MATH 384 Real Analysis (2).
- MATH 482 Measure and Integration Theory.
- MATH 483 Self-analysis.
- MATH 499 Research Project.
- MATH 554 Approximation Theory (Graduate).
- MATH 581 Mathematical Analysis (Graduate).
- MATH 582 Complex Analysis (Graduate).
- MATH 583 Selected Topics in Analysis (Graduate).
- MATH 584 Semantic Analysis (Graduate).
- MATH 600 Master Thesis.

Scientific Publication:

I. Research Papers :

- A.M. Al-Rashed and S.Sahab, On the Zeros of Solutions of Quasilinear Differential Equations of the Fifth Order, Arabian J.Sc.Eng. 1 (1977), 124-126
- A.M. Al-Rashed, and R.B Darst, Convergence of best best L¥-aproximations, Proc. Amer.Math.Soc. 83 (1981), 690-692.
- A.m.Al-Rashed, On the Center and Radius of a Bounded Set in R , K > 1, Proc.First Int. Conf. Math. in the Gulf Area , Riyadh, (1982), 205-208
- A.M. Al-Rashed, L¥ - Approximation in Probability Spaces, J.Math. Anal. Apl. 91, (1983), 1- 8.
- A.M. Al-Rashed and R.B. Darst, Best L¥-approximation of Measurable. Vector-valued Functions , Math.Proc. Cambridge Philos. Soc.96,(1984),477-481
- A.M. Al-Rashed, A Sufficient Conditiom for Convergence of Best Best L¥-approximation to the Right Function, Arabian J. Sc. Eng. 10 (1985) , 59-61.

- A.M. Al-Rashed and N.Zaheer, Zeros of Stieltijes and Van Vleck Polynomials and Applications, J.Math. Anal. Appl., 110, (1985), 327-339

- A.M. Al-Rashed and Hemdan, On Four Dimensional Functional Equations, J. College of Sc., 17, (1986), 243-251.

- A.M. Al-Rashed and J. Siddiqi, A Self-Adjoint Operator with a Discrete Countably Infinite Point Spectrum. J. College of Sc., 17, (1986) , 253-257.

- A.M. Al-Rashed , On Countable Unions of Sigma Algebras, J.Kar, Math. Assoc., 8, (1986) , 57-63.

- A.M. Al-Rashed and N.Zaheer, Further Results on Stieltjes and Van Vleck Polynomials,Arab Gulf J. Scient. Res. 4, (1986), 233 - 234.

- A.M. Al-Rashed and N. Zaheer, Co-Convexial Reflector Curves with Applications, Intemat. J. Math & Math .Sci. 10 (1987), 233-240.

- A.M. Al-Rashed, Combinatorics on Rings, J. Kar Math, Assoc., 10. (1988), 61-67.

- A.M. Al-Rashed and Hemdan ,Solution of the Generalized Cube and Octahedron Functional Equations, Utiulities Mathematica 33 (1988), 123-135.

- A.M. Al-Rashed, Compactness in Metrizable Spaces and Favourable Sets, J. Nat.Sc. and Math., 29 (1) (1989) 39-45.

- A.M. Al-Rashed and S.I. Ahmed, A Generalization of the Number p, J. Nat Sc. and Math., 29 (1) (1989). 29-37

- H . Hemdan and A.M. Al-Rashed, On Certain Generalized Functional Equations , Math. Japonica, 34 (1) (1989), 15-19.

- A.M. Al-Rashed and N. Zaheer, Certain Compositions of Abstract Polynomials and their Pseudo-Derivatives, J,Math. Anan. Appl., 142 (2) (1989). 355-369.

- A.M. Al-Rashed and N. Zaheer, A new Short Proof of Leagurre's Theorem Concerning Polyonmials , Math., Japonica, 34 (4) (1989) , 837-840.

- A.M. Al-Rashed and N. Zaheer, On Theorems of Waish and Laguerre Concerning Zeros of Polynomials , Arab Gulf J.Scient. Res., 8,(1), (1990), 1-13.

- A.M. Al-Rashed and M.A. Al-Abbas, Corrections to Certain Results on Quasi-2-Normed Spaces , Math. Japonica, 35, No.6, (1990), 1039 - 1041.

- A.M. Al-Rashed and Al-Abbas ,A Characterization of Strict Convexity in 2-Normed Spaces, Math. Japonica, 35, No.6, (1990), 1035-1038.

- A.M. Al-Rashed and N.Zaheer, A General Theorem on the Bounds of the Derivative of a Polynomial, Arab Gulf J. Scient. Res., (92), (1991) 1-11.Al-Rashed and N.Zaheer, A General Theorem on the Bounds of the Derivative of a Polynomial, Arab Gulf J. Scient. Res., (92), (1991) 1-11.

- A.M. Al-Rashed , Norm Inequalities and Characterizations of Inner Product Spaces, J. Math. Anal. Appl., 176, (2), (1993) , 587-593.Appl., 176, (2), (1993) , 587-593.Al-

Rashed , Norm Inequalities and Characterizations of Inner Product Spaces, J. Math. Anal. Appl., 176, (2), (1993) , 587-593.

- A.M. Al-Rashed and N. Zaheer, Some Results on Compositions of Algebra-Valued Abstract Polynomials, Topics in Polynomials of one and Several Variables and their Applications (pp.35-42), edited by Th.M. Rassias, H.M Srivastava and A. Yanushauskas, 1993, World Scientific Publ. Co.Al-Rashed and N. Zaheer, Some Results on Compositions of Algebra-Valued Abstract Polynomials, Topics in Polynomials of one and Several Variables and their   Applications (pp.35-42), edited by Th.M. Rassias, H.M Srivastava and A. Yanushauskas, 1993, World Scientific Publ. Co.Al-Rashed and N. Zaheer, Some Results on Compositions of Algebra-Valued Abstract Polynomials, Topics in Polynomials of one and Several Variables and their Applications (pp.35-42), edited by Th.M. Rassias, H.M Srivastava and A. Yanushauskas, 1993, World Scientific Publ. Co.Rassias, H.M Srivastava and A. Yanushauskas, 1993, World Scientific Publ. Co.

- A.M. Al-Rashed and M.A. Al-Abbas, Orthogonality in Normed Linear Spaces and Characterizations of Inner Product Spaces 1, (submitted--).

- A.M. Al-Rashed and M.A. Al-Abbas, Quasi-Semi-Inner Product (r.p) Spaces, 1 (submitted).

- A.M. Al-Rashed and Victor Anandam, Two Fractals in a Square, (submitted).

- A.M. Al-Rashed and Victor Anandam, Unbounded Surjective Linear Operators on Lp(m) Spaces, (submitted).

II. Authorship and Translation :

- A.M. Al-Rashed, H. Hamedah, and T. Ghazal, " Integral Calculus", (in Arabic) , King Saud University, Saudi Arabia.

- A.M. Al-Rashed, and J.A. Siddiqi, " Real Analysis : An Introduction , (in English).

- A.M. Al-Rashed , " Measure Theory and Integration ", under preparation.

- Translated into Arabic (in collaboration with Dr. S. Al- Guwaiz) the following book: " A Primer of Real Functions " , by R.P. Boas.By designation of the General Directorate of Health Institutes (Ministry of Health), The following books have been co- authored.

- A.M. Al-Rashed and A.Kenjo, " Mathematics : for Health Institute Students ", Student Textbook, (two parts), 1988.

- A.M. Al-Rashed and A.Kenjo, " Mathematics: for Health Institute Students ", Teacher Instructional Manual , 1988.

- A.M. Al-Rashed and A.Kenjo, " Mathematics : for Health Institute Students ", Activity Book, 1988. By Designation of the General Directorate of Educational Development (Ministry of Education), the following books have been co-authored:
- A.M. Al-Rashed in collaboration with some colleagues in the Department of Mathematics (King Saud University), Mathematics : for High School , First Course", Student Textbook (two parts), 1988.
- A.M. Al-Rashed in collaboration with some colleagues in the Department of Mathematics (King Saud University), Mathematics: for High School, First Course", Teacher Instructional Manual, 1988.