CURRICULUM VITAE
of
Malak Mekhaeel Ibrahem RIZK

PERSONAL INFORMATION
First Name: Malak
Middle Name: Mekhaeel
Family Name: RIZK
Date of Birth: December 15, 1955
Place of Birth: Cairo, Egypt
Sex: Male
Social Status: Married, with two sons and daughter
Nationality: Egyptian
Position: Associat Professor of Pure Mathematics
Work Address: Department of Mathematics, Faculty of Science, Cairo
                University, Giza, Egypt.
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SCIENTIFIC DEGREES
--- Bachelor of Science (B. Sc.) in Mathematics,
   Faculty of Science, Cairo University, 1978.
--- M. Sc. Preliminary Studies in Pure Mathematics,
   Faculty of Science, Cairo University, 1980.
--- M.Sc in Pure Mathematics, "Several Complex Analysis",
    Faculty of Science, Cairo University, 1984.
--- Degree of Doctor of Philosophy (Ph. D.) in Pure Mathematics,
    Real Analysis, Numerical Analysis,
    Institute of Mathematics, Academy of Science of Ukraine, 1991.

SPECIALIZATION
Pure Mathematics: Numerical Analysis.

PROFESSIONAL HISTORY
--- Assistant: Faculty of Science, Cairo University, 1978-1984.
--- Assistant Lecturer: Faculty of Science, Cairo University, 1984-1991.
--- Lecturer: Faculty of Science, Cairo University, 1991-2004
--- Associate Professor: Faculty of Science, Cairo University, since 2004 .

TEACHING EXPERIENCE
More than 25 years of experience in teaching Mathematics, at the university level, in various scientific institutions:
Cairo University (Egypt),
Cairo University-Khartoum Branch (Sudan),
University of Sanaa (Yemen),
University of Taiz (Yemen),
University of Zagazeg (Egypt),
6 of October University (Egypt),
Faculty of Education, Nizwa (Sultanate of Oman),
Teached Courses: Differential and Integral Calculus, Advanced Differential and Integral Calculus, Ordinary Differential Equations, Real Analysis, Complex Analysis, Functional Analysis, Measure Theory and Integration, General Topology, Linear Algebra, Abstract Algebra, Plane and Solid Geometry, Numerical Analysis, Advanced Numerical Analysis, Approximation Theory, Probability theory and Statistics, Linear and Non-linear Programming.

RESEARCH EXPERIENCE
Research Contributions in the Following Domains:
--- Numerical Analysis
--- Approximation Theory
--- Differential and Integral Equations
--- Complex Analysis
See the List of Publications.

MASTERED LANGUAGES
Arabic, English, Russian.

MEMBERSHIP IN INTERNATIONAL SCIENTIFIC COMMUNITIES
--- Member of the "Egyptian Mathematical Society", Egypt.

THESIS SUPERVISION
--- Supervision of a Ph. D. Thesis, Cairo University.
   Thesis entitled '' ''.
--- Supervision of a Msc. D. Thesis, Cairo University.
   Thesis entitled '' ''.
--- Supervision of a Msc. D. Thesis, Cairo University.
   Thesis entitled '' ''.
--- Supervision of many students' projects in the fields of Numerical Analysis, Approximation Theory.

LIST OF PUBLICATIONS
THESES:
[1] The Caratheodory and Kobayashi distances and the relation between them in some domains in C^n , Thesis of " Msc. D.", Cairo University, 1985,.
 [2] Theory And Application of Iterative Approximation Method, And its Comparison with Methods of Type Runge-Kutta, Thesis of "Ph. D.",Inst. Mat. ,Kiev, 1991.

ARTICLES

[3] Approximate Solutions of Initial – Value Problem For Retarded Differential Equations Using Hermitian Interpolating Polynomials., Proceeding of the Mathematical and Physical Society of Egypt , Vol. 80, 2004.

[4] Dzyadyk's Technique For ODE's Using Hermitian Interpolating Polynomials., Ukrainian Mathematical Journal 53 (4) : 569 – 583 ; Apr. 2001.

[5] Expansions For The Fundamental Hermitian Interpolating Polynomials in Terms of Chebyshev Polynomials., Ukrainian Mathematical Journal 53 (1) : 155 – 165 ; Jan 2001 .

[6] On The Approximate Solution of Nonlinear Volterra – Fredholm Integral Equations on a Complex Domain By Dzyadyk's Method., Ukrainian Mathematical Journal 49 (11) : 1519 – 1528 ; 1996 .

[7] Approximate Solution of Initial – Value Problem for Retarded Differential Equations on Complex Domain., Comput.-Math.-Applic. Journal 30 (8) : 19-27 ; 1995

[8] Approximate Solutions of Nonlinear Integro-Differential Equations on Complex Domain., Comput.-Math.-Applic. Journal 29 (10) : 69-78 ; 1995

[9] Theory And Application of Iterative Approximation Method And its Comparison With Methods of Type Runge-Kutta., Nauk Ukrain. SSR. Inst. Math., Kiev, Preprint no. 39 (1991), p. 58 .

[10] The Approximate Solution of Systems of Ordinary Differential Equations By Means of The Approximation – Iteration Method in a Complex Domain., Studies in the theory of the approximation of functions, Akad. Nauk Ukrain. SSR. Inst. Mat. ,Kiev (1991), p.72-85 .