Curriculum Vitae

1.Personal Information

Name	Adel Helal Al-rabtah
Nationality	Jordanian
Contact Information	Department of Mathematics & Statistics Mutah University Mutah, Al-Karak, Zip Code: 61710 P.O. Box (7) Email: rabtah@mutah.edu.jo

2.Academic Qualifications

	University	**Year**	**Country**	**Major**
BSc	Mutah University	1991	Jordan	Mathematics
MSc	Pittsburg State University	1997	USA	Mathematics
PhD	Arizona State University	2002	USA	Mathematics (Numerical Analysis)

3.Research and Teaching Interests

Research: Numerical Analysis
Numerical linear Algebra
Fractional Calculus
Spline Function Method
Finite Differences
Teaching:
Graduate level: Advanced Numerical Analysis, Selected Topics in Numerical Analysis.
Undergraduate level: PreCalculus, Calculus I, Calculus II, Ordinary Differential Equations, Numerical Analysis I, Numerical Analysis II, Partial Differential Equations, Computational Methods.

4.Publication

A. Books

B. Articles

Title	Journal	Date	Vol. & No.	Pages
Solutions of a fractional oscillator by using differential transform method	Computers and Mathematics with Applications	2010	59	1356-1362
A New Iterative Method For Solving Linear Systems of Equations	Jordan Journal of Mathematics and Statistics	2012	5(3)	169-184
Solving Linear and Nonlinear Fractional Differential Equations Using Spline Functions	Abstract and Applied Analysis	2012	Volume 2012	Article ID 426514, 9 pages, doi:10.1155 /2012/4265 14
Solving Systems of Linear and Nonlinear Fractional Differential Equations using Spline Functions	Mu'tah Lil-Buhuth wad-Dirasat	2013	Vol.28, No.1	43-60
Exact Solitonary and Periodic Solutions for Nonlinear Partial Differential Equations using Exponential Function Method	Mu'tah Lil-Buhuth wad-Dirasat	2013	Vol.28, No.1	25 - 42

5.Patents