CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza

Awni

PERSONAL DETAILS

Date Of Birth	24/10/1962	**Place Of Birth**	Gaza
Nationality	Pal.		
Martial Status	Married	**Gender**	Male
Designation	Associate Prof.		
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ACADEMIC QUALIFICATIONS

(YEAR ,QUALIFICATION ,INSTITUTION ,TITLE)

2000	Doctoral Degree, PHD,University of Cape Town (Large Plastic Deformation and Shear Localization in Single Crystals)
1987	Master Degree, MSC,Middle East Technical University (Collocation Methods for solving linear Differential Equations)
1984	Bachelor Degree, BSC,BirZeit University

ADMINISTRATIVE DUTIES

(START DATE - END DATE , ROLE ,LEVEL)

2012 , Vice President Assistant for Academic Affairs ,University

SELECTED PUBLICATIONS

- Article in Academic Journal

1 A.M. Abu-Saman and Shady Al-eker () . Divide-and-Conquer strategy with Choleskys Factorization for inverting Symmetric Positive Definite Matrices ,Journal of Pure and Applied Mathematics (IJPAM),() ,. (ISI Cited Publication)

2 A.M. Abu-Saman and A. Assaf () . Stability and Convergence of Crank-Nicholson Method for Fractional Advection Dispersion Equation,Advances in Applied Mathematical Analysis (AAMA),2(2) ,1-9. (ISI Cited Publication)

3 22. A. M. Abu-Saman (2022) . Using fuzzy logic to approximate the accuracy rate in solving a system of linear equations,Journal of Mathematical and Computational Science (JMCS),1(12) ,213-224. (ISI Cited Publication)

4 A. M. Abu-Saman (2022) . Computing the Square Root of an Tridiagonal Toeplitz Matrix,Advances in Applied Mathematical Analysis,1(17) ,1-8. (ISI Cited Publication)

5 A. M. Abu-Saman (2022) . Using the Concept of Fuzzy Logic and Controller System in Interpolation and Functions Approximation,", Journal of Mathematical Sciences & Computational Mathematics,4(3) ,401-415. (ISI Cited Publication)

6 A.M. Abu-Saman (2012) . Solution of Linearly-dependent equations by Generalized Inverse of a Matrix. -England, Vol. 4, No 1, (2012).,International Journal of Science & Emerging Technologies,4(1) ,. (ISI Cited Publication)

7 A.M. Abu-Saman (2012) . Computing Matrix Inverses by Divide-and-Conquer Method with Floating Point Calculations,International Journal of Computational and Applied Mathematics ,7(4) ,479-484. (ISI Cited Publication)

8 A.M. Abu-Saman (2007) . Numerical Solution of Ill-Conditioned Linear Systems of Equations, , Vol. 41, No. 1, (2007). PP. 71-76,International Journal of Pure and Applied Mathematics,41(1) ,71-76. (ISI Cited Publication)

9 A.M. Abu-Saman (2006) . Inverse Stability of Collocation Methods for Mixed Order Systems,International Journal of Pure and Applied Mathematics,26(4) ,. (ISI Cited Publication)

10 A.M. Abu-Saman (2004) . Rate Independent Simulation of Shear Localization in Channel Die Compression,Journal of Alazhar University –(Natural Science),7(1) ,. (ISI Cited Publication)

11 A.M. Abu-Saman (2004) . , Hermite-Type Basis for discretization methods of Boundary –Value Problems, , Vol. 6, No. 4, (2004), PP 337-344.,International Journal of Computational and Numerical Analysis and Applications,6(4) ,337-344. (ISI Cited Publication)

12 A.M. Abu-Saman (2003) . Collocation Methods for Linear Two-Point Boundary Value Problems by Monomial Basis,The Algarah Bulletin of Mathematics,22() ,. (ISI Cited Publication)

13 A.M. Abu-Saman (2003) . Numerical Modeling of Shear Localization in FCC and BCC Crystals,Journal of Rajasthan Academy of Physical Sciences,2(4) ,. (ISI Cited Publication)

14 A.M. Abu-Saman (2003) . Finite Element Simulation of Shear Localization in Copper Single Crystal,Journal of Rajasthan Academy of Physical Sciences,2(1) ,. (ISI Cited Publication)

15 A.M. Abu-Saman (2002) . Finit Element Simulation of Shear Localization in Rate Independent Deformation of Single Crystals,Journal of Rajasthan Academy of Physical Sciences,11(4) ,. (ISI Cited Publication)

16 A.M. Abu-Saman (2000) . Numerical Algorithm for Plasma Transport Equations of Fractional Order,Journal of Rajasthan Academy of Physical Sciences,7(2) ,. (ISI Cited Publication)

SUPERVISION

(DEGREE ,CANDIDATES ,THESIS ,SESSION ,YEAR)

Ongoing
* Master ,Huda Zreaa ,NUMERICAL Solution of Partial Differential Equations by Fuzzy Transform ,2013 ,

Completed
* Master ,. Shady Al-Eker ,Divide-and-Conquer Algorithms for Computing Matrix Inverses ,2013 ,
* Master ,Atef Assaf ,Numerical Solution of Fractional order   Differential   Equations ,2006 ,

TEACHING

(LEVEL ,COURSE)

First Degree
* calculus I
* Calculus II
* Numerical Analysis I
* Ordinary Differential Equations
* Calculus III

Post Graduate
* Advanced Numerical analysis

CONTINUING EDUCATION

(YEAR ,COURSE NAME ,PLACE ,INSTITUATION ,PERIOD)

1993 ,Networks & Internet ,Gaza ,Aalzhar University-Gaza ,4