

The curriculum Vitae

Name :A.P.Dr.Shatha Assaad Salman Al-Najjar

Date of Birth: - in 4/4/1970 , Baghdad / Iraq

Marital status:. Married

Place of work:School of Applied Sciences, University of Technology.

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Academic Record

B.Sc. Applied Mathematics, University of Technology, Baghdad, 1991

M.SC. Applied Mathematics, University of Technology, Baghdad, 1995

Ph.D. Applied Mathematics and Computer Applications, Al-Nahrain University, Baghdad, 2005

Science degrees

Assistant lecturer in Applied Mathematics, University of Technology, Baghdad, 1\4\1995.

Senior lecturer Applied Mathematics, University of Technology, Baghdad, 12\10\1999

Assistant Professor in Applied Mathematics, University of Technology, Baghdad, 10\11\2005.

ACKNOWLEDGMENT

1. Estimate Letter because of getting a very good in performance annual from the President of the University of Technology 1995/1996.
2. Estimate Letter because of getting an excellent in performance annual from the President of the University of Technology 1999/2000.
3. Estimate Letter because of getting a very good in performance annual from the President of the University of Technology 2000 /2001.
4. Estimate Letter because of getting a good proportion in ministerial test in complex analysis from the President of the ministry higher education and scientific research 2000 /2001.
5. Estimate Letter because of distinct performance from the President of the University of Technology 2001.
6. Estimate Letter because of rating effort from the President of the University of Technology 2010..
7. Estimate Letter because of rating effort from the President of the Department of Applied Sciences 2010/2011.

Researches and Books

1. Researches:- 18 paperes

- 1-Numerical evaluation of Fourier transform using Euler transforms method. Eng & Terchnology vol.17, no.5, 1998.
 - 2-Numerical evaluation of Fourier transforms using orthogonal functions. Eng & Terchnology vol.17, no.7, 1998.
 - 3-Numerical evaluation of Laplace transforms using Hermite functions. J. of col. Of Education, vol.1, no.1, 2001.
 - 4-Numerical evaluation of the inverse Fourier transforms using orthogonal functions. J. of col. Of Education, vol.2, no.2, 2000.
 - 5-Numerical evaluation of the inverse Laplace transform using Laguerre functions. J. of col. Of Education, vol.3, no.3, 2001.
 - 6- Implementation programs of orthogonal function using technique. J. of col. Of Education, vol. 4, no.4, 2000.
 - 7- An algorithm to solve Fractional Differential equation, J. of col. Of Education, vol.5, no.5, 2000.
 - 8- An algorithm to solve special kind of Differential equation, J. of col. Of Education, vol.1, no.1, 2001.
 - 9- The package NS-FTUNM, J. of Al-Rafidain university colloge for sciences, No.2,1999.
 - 10- Deconvolution using orthogonal function with an application, Journal for science in Al-Nahrain University, vol.7, No.2, 2004.
 - 11- Deconvolution using Legender function with an application, , J. of col. Of Education, vol.3, no.3, 2006.
 - 12- On finding the coefficients of the Ehrhart polynomials c_{d-3} of a polyhedron in \mathbb{R}^d , Journal for science in Al-Nahrain University, vol.11, No.1, April, 2008.
 - 13- On finding the coefficients of the Ehrhart polynomials c_{d-9} of a polyhedron in \mathbb{R}^d , accepted Journal for science in Al-Nahrain University
 - 14- On finding the Ehrhart polynomials using modified partial fraction method, Journal for science in Al-Nahrain University, vol.12, No.2, June, 2009.
 - 15- The Ehrhart polynomials of the cyclic polytope, accepted in Eng & Technology, . Eng & Terchnology vol.14, no.27,2009,p.2624.
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- 16-Conditions on n for writing it as a sum of four cubes. Eng & Terchnology vol. 28, no.28, 2010.
 - 17-The multi-dimensional differential transform. Accepted Journal Eng & Terchnology, 2011.

- 18- Computation of odd magic square using a new approach with some properties, accepted in the international conference in mathematics and its application, 2011.

2. Books:

Supervision for students in Computer Science:-

- Supervision on different thesis for **M.Sc.** some of them as follow:-

1. On the volume of polytope in R^n , Univ. of Technology, Baghdad, 2008.

- Supervision on different thesis for **P.HD.** some of them as follow:-

1. Mathematical; modeling and analysis technique of stream cipher crypto-systems, 2009.
2. Numerical treatments of the multi – dimensional integral equations, 2010.

Professional Memberships

Any Activities:-

1. The first national conference in Mathematics science, Al-Mustansiriya Univ., Baghdad-Iraq, Sep. 2001
2. .The first Arab conference in Mathematics Applied Science Private Univ. Amman- Jordan October 2004.
3. International conference of mathematics and its applications (ICMA). (1-3) March 2011.