

Curriculum Vitae (CV)

Hanan Mohamed Ahmed

Personal Information:



Academic Rank: Doctor

Department: Basic Science Department

Specialization: Mathematics

Position: Doctor

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Mathematics	ZAGAZIG UNIVERSITY	2011
M.Sc.	Mathematics	ZAGAZIG UNIVERSITY	2002
B.Sc.	Mathematics	ZAGAZIG UNIVERSITY	1994

Academic Experience:

Rank : Research Assistant (PhD student)

Dates: 2011

Institution: Faculty of Science Zagazig University

Rank: Teaching Assistant

Dates: 2002

Research interests:

- 1- E.M.E. Zayed, H.M. Abdel Rahman, On using the homotopy perturbation method and the Adomian decomposition method for the nonlinear coupled equations, J. P.D. E. 22(2009)224-351.
- 2- E.M.E. Zayed, H.M. Abdel Rahman, On solving the KdV- Burgers equation and the Wu-Zhang equations using the modified variational iteration method, Int. J. Nonlinear Sci. Numer.Simul.,10(2009)1093-1103.
- 3- E.M.E. Zayed, H.M. Abdel Rahman, On using the Variational iteration method and the variational homotopy perturbation method for solving the two- dimensional KdV-Burger's equation and the Sharma-Tasso-Olver equation, Z.Naturforsch. 65a, (2010) 1-9.
- 4- E.M.E. Zayed, H.M. Abdel Rahman, On using the modified variational iteration method for solving the nonlinear coupled equations in the mathematical physic, Ricerche di Mathematical ,Springer,(2010)137-159.
- 5- E.M.E. Zayed, H.M. Abdel Rahman, The extended tanh- method for finding traveling wave solutions of nonlinear partial differential equations, Nonlinear Sci. Letters A, 1, No. 2(2010)193-200.

- 6-E.M.E. Zayed, H.M. Abdel Rahman, The extended tanh-method for finding traveling wave solutions of nonlinear evolution equations, Appl. Math. E. Notes, 10(2010), 235-245.
- 7- E.M.E. Zayed, H.M. Abdel Rahman, Exact Traveling wave solution of (2+1)- Dimensional Nonlinear Evaluation Equations by using the Generalized Tanh- Method, Mathematica Pannonica, 22/2 (2011), 269–287.
- 8- E.M.E. Zayed, H.M. Abdel Rahman, The homotopy analysis method for solving the nonlinear evolution equations in mathematical physics, Commun. Appl. Nonlinear Anal. 18, No. 3, 53-70 (2011).
- 9-E.M.E. Zayed, H.M. Abdel Rahman, The variational iteration method combined with the generalized tanh-coth function method for solving nonlinear partial differential equations, Pan American Mathematical Journal , Vol (22) (2012) 31-44.
- 10 E.M.E. Zayed, H.M. Abdel Rahman, On using the He's polynomials for solving the nonlinear couple evolution equations in mathematical physics, WSEAS TRANSACTIONS on MATHEMATICS, 4, Vol. 11, (2012) 294-301.
- 11-H. M. Abed Rahman, Eliminate the Nonlinear Oscillations of the Modified duffing Equation by using the Nonlinear Integrated Positive Position Feedback, Asian Research Journal of Mathematics, Vol. 18 , Issue 7, (2022). 47-62.

Certifications or Professional Registrations:

Teaching Experience:

- معيد رياضيات بقسم الرياضة الفزيائية بكلية الهندسه جامعة الزقازيق ف العام 1995 ل 1996
- معيد رياضيات بقسم العلوم الأساسية – المعهد التكنولوجي العالي بالعاشر من رمضان من 1996 الي 2001
- مدرس مساعد بقسم العلوم الأساسية – المعهد التكنولوجي العالي بالعاشر من رمضان 2002 الي 2010
- محاضر بقسم الرياضيات كلى العلوم جامعة الملك خالد بالمملكة العربية السعودية مدينة بيشة
- رئيس قسم الرياضيات بكلية العلوم جامعة الملك خالد بالمملكة العربية السعودية مدينة بيشة
- مدرس بقسم العلوم الأساسية – المعهد التكنولوجي العالي – العاشر من رمضان

Courses taught

- Mathematics 1
- Mathematics 2
- Mathematics3
- Mathematics 4
- Selected Topic of Mathematics