

CURRICULUM VITAE

Prof. Dr. Shaheed Naser Huseen

PERSONAL INFORMATION

Date of birth: 30 July 1970
Gender: Male
Place of birth: Thi-Qar, Iraq
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EDUCATION

- Ph.D. in Mathematics, Ain Shams University, Egypt, 2014.
- M.Sc. in Mathematics, Al-Mustansiriyah University, Iraq. 1999.
- B.Sc. in Mathematics, Basra University, Iraq, 1992.

LANGUAGE SKILLS

Arabic (native), English.

CURRENT RESEARCH INTERESTS

- Numerical methods and analysis.
- Ordinary and partial differential equations.
- Fractional calculus and applications.

LIST OF PUBLICATIONS (INTERNATIONAL JOURNAL PAPERS)

- [1] El-Tawil M. A. and HuseenS.N., The q-Homotopy Analysis Method (q-HAM), International Journal of Applied mathematics and mechanics, 8 (15): 51-75, 2012.
- [2] El-Tawil M. A. and HuseenS.N., On Convergence of The q-Homotopy Analysis Method, Int. J. Contemp. Math. Sciences, Vol. 8, 2013, no. 10, 481 – 497.
- [3] Huseen S. N. and Grace, S. R. 2013, Approximate Solutions of Nonlinear Partial Differential Equations by Modified q-Homotopy Analysis Method (mq-HAM), Hindawi Publishing Corporation, Journal of Applied Mathematics, Article ID 569674, 9 pages [http:// dx.doi.org/10.1155/ 2013/ 569674](http://dx.doi.org/10.1155/2013/569674).
- [4] Huseen S. N., Grace S. R. and El-Tawil M. A. 2013, The Optimal q-Homotopy Analysis Method (Oq-HAM), International Journal of Computers & Technology, Vol 11, No. 8.

- [5] Huseen S. N., Solving the K(2,2) Equation by Means of the q-Homotopy Analysis Method (q-HAM), International Journal of Innovative Science, Engineering & Technology, Vol. 2 Issue 8, August 2015.
- [6] Huseen S. N., Series Solutions of Fractional Initial-Value Problems by q-Homotopy Analysis Method, International Journal of Innovative Science, Engineering & Technology, Vol. 3 Issue 1, January 2016.
- [7] Huseen Shaheed N. Application of optimal q-homotopy analysis method to second order initial and boundary value problems. Int J Sci Innovative Math Res (IJSIMR) 2015;3(1):18–24.
- [8] Huseen S. N., A Numerical Study of One-Dimensional Hyperbolic Telegraph Equation, Journal of Mathematics and System Science 7 (2017) 62-72.
- [9] Huseen S. N. and Nada M. Ayay, A New Technique of The q-Homotopy Analysis Method for Solving Non-Linear Initial Value Problems, Journal of Progressive Research in Mathematics, Volume 14, Issue 1 (2018). pp 2292-2307.
- [10] Huseen S. N. and Haider A. Mkharrib, On a New Modification of Homotopy Analysis Method for Solving Nonlinear Nonhomogeneous Differential Equations, Asian Journal of Fuzzy and Applied Mathematics Volume 06 – Issue 02, October 2018.
- [11] Huseen S. N. and Rawan A. shlaka (2019) The Regularization q-Homotopy Analysis Method for (1 and 2)-Dimensional Non-linear First Kind Fredholm Integral Equations, Journal of Progressive Research in Mathematics, Volume 15, Issue 3, 2721-2743.
- [12] L. Akinyemi, S.N. Huseen(2020) A powerful approach to study the new modified coupled Korteweg-de Vries system, Mathematics and Computers in Simulation 177, 556–567.
- [13] Huseen S. N. (2020) On Analytical Solution of Time-Fractional Type Model of the Fisher's Equation, Iraqi Journal of Science, Vol. 61, No. 6, pp: 1419-1425.
- [14] Huseen S. N., El-Tawil M. A., Grace S. R. and Ismail G. A. (2020) Solving High-Order Nonlinear Partial Differential Equations by Modified q-Homotopy Analysis Method, AJMS/Apr-Jun, Vol 4, Issue 2. pp 25-46.
- [15] Huseen S. N., A Comparative Study of q-Homotopy Analysis Method and Liao's Optimal Homotopy Analysis Method, Advances in Computer and Communication, 2020, 1(1), 36-45.
- [16] Lanre Akinyemi, Mehmet Senol and Huseen S. N., Modified Homotopy Methods for Generalized Fractional Perturbed Zakharov-Kuznetsov Equation in Dusty Plasma, Advances in difference equations, Accepted.