

CURRICULUM VITAE



Personal

Name: Husein Mahmoud Mohammed Jaradat.
Place and Date of Birth: Irbed, April 10, 1973
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Education

1. Ph. D., 2006, Department of Mathematics, University of Jordan, Jordan.
 - (i) Degree Specialization: Applied Mathematics (Numerical analysis).
 - (ii) Title of Ph. D. Thesis: Numerical Solution of Temporal Two-Point Boundary Value Problem Using Continuous Genetic Algorithm.
 - (iii) Thesis advisor: N. Shawagfeh and Z. Abo-Hammour.
2. M. Sc., 1998, Department of Mathematics, Yarmouk University, Jordan.
 - (i) Degree Specialization: Applied Mathematics (Numerical Analysis).
 - (ii) Title of M.Sc. Thesis: A Numerical Method for Solving Time Dependent Partial Differential Equation.
 - (iii) Thesis advisor: M. Syam.
3. B.Sc., 1995, Department of Mathematics, Yarmouk University, Jordan.

Field of Specialization and Areas of Research Interest

My principal research interests lie in the field of applied Mathematics: Numerical solution of ordinary and partial differential equation of fraction order and integral equation. Soliton Theory, Mathematical physics, Analysis of PDEs and FPD

My future research plans are to develop models and tools in the area of integrable systems. It is to find powerful and direct methods to the search of explicit solutions to nonlinear partial differential equations and fractional differential equations including exact wave and soliton solutions.

I am professional in programming and teaching the software MATLAB and I use it in my research and for teaching applied courses and mathematics for engineering with applications.

Experiences

1. June, 2019 - Now, full professor, Department of mathematics, Al al-Bayt University, Jordan.
2. September 2017- June 2019, Associate professor, Department of mathematics, Al al-Bayt University, Jordan.
3. September 2015- September 2017, Associate professor, Department of mathematics and Sciences, Dhofar University, Salalah, Oman.
4. February 2015- September 2015, visiting Associate professor, Department of Mathematics, Qatar University, Qatar.
5. Head of the Department of Mathematics in Al al-Bayt University for academic year 2013-2014.
6. January 2013- February 2015, Associate professor, Department of Mathematics, Al al-Bayt University, Jordan.
7. June 2009 – January 2013, Assistant professor, Department of Mathematics, Al al-Bayt University, Jordan.
8. February 2009-June 2009, visiting Assistant professor, Department of Mathematics, Arab Emirate University, UAE.
9. February 2007- February 2009, Assistant professor, Department of Mathematics, Al al-Bayt University, Jordan.
10. July 2006- February 2007, Assistant professor, Department of Mathematics, Irbid National University, Jordan.
11. December 2004-June 2006, Full time lecturer, Department of Mathematics, Irbid National University, Jordan.

12. August 2003-December 2004, teaching assistant, Department of Mathematics, The University of Jordan, Jordan.
13. August 1999-August 2002, Teacher at the ministry of education, U.A.E

Teaching Record

Undergraduate level:

I have taught the following courses.

1. Calculus I
2. Calculus II
3. Calculus III
4. Statistical Methods I
5. Ordinary Differential Equations I
6. Ordinary Differential Equations II
7. Discrete Mathematics
8. Partial Differential Equations
9. Numerical Analysis (1)
10. Numerical Analysis (2)
11. Linear Programming
12. Principles of mathematics
13. Real analysis
14. Mathematics methods

Graduate level:

1. Ordinary differential equations.
2. Mathematics methods.

Supervision of Grad Students

10 students have been awarded M.Sc. degree at Al al-Bayt University under my supervision with the following titles:

1. Residual power series method for solving fractional integro-differential equations involving Fredholm-Volterra operator, Al al-Bayt University, 2018 by Jafar Alkhateeb.
2. Necessary conditions for soliton solutions to exist for two-mode seventh-order KdV equations by means of simplified Hirota's method, Al al-Bayt University, 2018 by Salsabeel Yousef Owis AlOmoush.
3. Series Solution of Systems of Fuzzy Initial Value Problems via Analytic Method, Al al-Bayt University, 2015 by Najah Abdelghader Bohseaf,

4. Merfat Mohammed bani ersheed, Edge Maximal graphs containing no complete graph missing a specific number of edges, Al al-Bayt University, 2013.
5. Soliton Solutions of Integrable Systems and Hirota's Bilinear Method, Al al-Bayt University, 2012 by Teber Mohammed Ali.
6. Series Solution for Solving Delay Differential Equation by Homotopy Analysis Method, Al al-Bayt University (2009) by Esraa Al-Shbail.
7. Series Solution for Solving Integral Equation by Homotopy Analysis Method, Al al-Bayt University (2009) by Eman Abo-Jarad.
8. Methods for Inverse Problems in Abstract Spaces, Al al-Bayt University by Fatemah Al mabrouk.
9. An Analytical Scheme for Two point Boundary Value Problems Using Modified Homotopy Analysis Method, Al al-Bayt University by Reema kewan.
10. Solving System of Differential-Algebraic Equation by Homotopy Analysis Method, Al al-Bayt university by Rahmah Al-Masaeed.

Externals Examiner's for the Following Master Thesis

1. Bayan Ahmad Rababah, On the reproducing kernel Hilbert space method for handling stiff systems of ordinary differential equations. Al Al-Bayt University, Jordan.
2. Mohammad Khaled Awad Al-Jazzazi, 2020, Application of Reduced Differential Transform Method for Solving a Class of Fractional PDEs. Al Al-Bayt University, Jordan.
3. Tareq Ziad Eriqat, 2020, Series method for solving linear and nonlinear fractional pantograph equation. Al-Balqa' Applied University, Jordan.
4. Aminah Qawasmeh, 2014, "Study of solutions to some generalized nonlinear partial differential equations by trig-function method". University of Science and Technology, Jordan.
5. Alaa Yousef Alomari, 2014, Water resource management in the irrigated area of northern Jordan valley basin using mathematical programming. University of Science and Technology, Jordan.
6. Asmaa Zioud: The Multi-Step Homotopy Analysis Method for Handling Systems of Fractional Integral Differential Equations, Al Al-Bayt University, Jordan, (2013).

7. Iqbal Batiha: Numerical Solution for Fractional Differential Equation Using Finite Difference Method, Al Al-Bayt University, Jordan, (2013).
8. Hassan Al-Zoubi: A Powerful Scheme For Handling Nonlinear Fractional Differential Equations Using Multi-Step Homotopy Analysis Method, Al Al-Bayt University, Jordan, (2012).
9. Nazek A. Obeidat, October 2012, "Approximate Solutions to Nonlinear Partial Differential Equations using Differential Transform Method and Adomian Decomposition Method". Jordan University of Science and Technology, Jordan.
10. Diya Biary, November 2012, "Analytical mathematical methods for a reliable treatment of Fokker-Planck Equations". Jordan University of Science and Technology, Jordan.
11. Banan Al-Shriydeh, November 2012, "New exact solutions to partial differential equations by the \int integral method". Jordan University of Science and Technology, Jordan.
12. On Ramsey numbers of complete graphs of order 4 versus theta graphs of order n. Yarmouk University (2012) by Mutasem saleem bateeha, Dr. Mohammad S. Bataineh.
13. A study on Holf Bifurcation. Al al-Bayt University (2012) by Khaled bani Khaled Dr. Saleem Al-Ashhab.
14. Modeling and Analysis of Prey-Predator System with Harvesting, Jordan University of Science and Technology (2011) by Eman Saleh Al-Sheyyab, Dr. Kamel Al-Khaled.
15. Ruba Al-Omary, July 2011, "Soliton solutions to systems of nonlinear partial differential equations using trigonometric-function method". Jordan University of Science and Technology, Jordan.
16. Hassan Ananbeh, November 2011, "New solutions to nonlinear partial differential equations using rational triangular function method". Jordan University of Science and Technology, Jordan.
17. Approximate Solution to System of Nonlinear Partial Differential Equations Using Homotopy Perturbation Method, Jordan University of Science and Technology (2011) by Mahmoud Mohammad Mahmoud Dr. Marwan Alquran.
18. An Efficient Algorithm Using Romberg Extrapolation on Trapezoidal Rule for the Solution of Linear Itegro-Differential Equations, Jordan University of Science and Technology (2010) by Ahmad Hamad Al-Kasasbeh Dr. Mohammad H. Al-Towaiq.

19. Numerical Solutions for Integral Equations Based on interpolation theory, Jordan University of Science and Technology (2009) by Fawwaz Tawfiq Bataineh Dr. Kamel Al-Khaled.
20. Numerical Methods for solving Singularly Perturbed Two Point Boundary value Problems, Jordan University of Science and Technology (2010) by Belal Al-Khamaiseh Dr. Marwan Alquran.
21. The Weighted Moore-Penrose Inverses on Matrices and some of its Applications, Al al-Bayt University (2010) by Tareq Al-khashban Dr. Saleem Al-Ashhab.
22. Analysis and Stability of Delay Differential Equations with its Application, Al al-Bayt University (2009) by Qays Telfah Dr. Saleem Al-Ashhab.
23. Some Results on Orlicz Spaces of Entire Sequences, Al al-Bayt University (2008) by Shaher Mohammad Alsharo Dr. Ahmad H. A. Bataineh.
24. Analysis and Stability of Second Differential Equations with its Application, Al al-Bayt University (2009) by Ahmad Rababah Dr. Saleem Al-Ashhab.
25. A committee defense member for two Master theses at Yarmouk University and Jordan University of Sciences and Technology.

Publications

1. A. Jaradat; M.M. M. Jaradat; M.S.M. Noorani; H.M. Jaradat; M. Alquran: Construction of $(n + 1)$ -dimensional dual-mode nonlinear equations: multiple shock wave solutions for $(3 + 1)$ -dimensional dual-mode Gardner-type and KdV-type. *Advances in Difference Equations*, 2019:19:1-12.
2. Muhammed Syam; H.M. Jaradat; Marwan Alquran: A NUMERICAL METHOD BY REPRODUCING-KERNEL APPROXIMATION FOR THE PANTOGRAPH EQUATION. *Electronic Journal of Mathematical Analysis and Applications* (2019). 7(1): 91-409.
3. A. Jaradat; M.S.M. Noorani; M. Alquran; H.M. Jaradat: A Variety of New Solitary-Solutions for the Two-mode Modified Korteweg-de Vries Equation. *Nonlinear Dynamics and Systems Theory* (2019). 19(1):88-96.
4. Muhammed Syam; Marwan Alquran; H.M. Jaradat ; S. Al-Shara': THE MODIFIED FRACTIONAL POWER SERIES FOR SOLVING A CLASS OF FRACTIONAL STURM-LIOUVILLE EIGENVALUE PROBLEMS. *Journal of Fractional Calculus and Applications* (2019). 10(1): 54-166.

5. Marwan Alquran; H.M. Jaradat ; Muhammed Syam: New Nonlinear Equations: Two-Mode Gardner and Two-Mode Fisher Equations. *Journal of Computational and Theoretical Nanoscience* (2018). 15(11): 3126-3129.
6. Zead Mustafa; Sami Ullah Khan; M.M.M. Jaradat; Muhammad Arshad; H.M. Jaradat: Fixed point results of F-rational cyclic contractive mappings on 0-complete partial metric spaces. *Italian Journal of Pure and Applied Mathematics* (2018), 40: 394–409.
7. A. Jaradat; M.S.M. Noorani; M. Alquran; H.M. Jaradat: A Novel Method for Solving Caputo-Time-Fractional Dispersive Long Wave Wu-Zhang System. *Nonlinear Dynamics and Systems Theory* (2018). 18(2):182-190.
8. Muhammed Syam; Muhammad Asif Raja; Mahmmoud M. Syam; H. M. Jaradat: An Accurate Method for Solving the Undamped Duffing Equation with Cubic Nonlinearity. *International Journal of Applied and Computational Mathematics* (2018). 4: 69.
9. **H.M. Jaradat**; Marwan Alquran; Muhammed Syam: A reliable study of new nonlinear equation: Two-mode Kuramoto-Sivashinsky. *International Journal of Applied and Computational Mathematics* (2018). 4: 64.
10. **H.M. Jaradat**; Muhammed Syam; M.M.M; Jaradat; Zead Mustafa; Shaheer Momani: New solitary wave and multiple soliton solutions for fifth order nonlinear evolution equation with time variable coefficients. *Results in physics* (2018), 8:977-980.
11. Ali Jaradat; Mohd Salmi Md Noorani; Marwan Alquran, **H.M. Jaradat**: Numerical investigations for time-fractional nonlinear model arise in physics. *Results in physics* (2018), 8:1034–1037.
12. **H.M. Jaradat**; Muhammed Syam; Marwan Alquran; S. Al-Shara'; Khedr M. Abohassan: A new two-mode coupled Burgers equation: conditions for multiple kink solution and singular kink solution to exist. *Ain Shams Engineering Journal* (2018), 9(4): 3239-3244.
13. Muhammed Syam; **H.M. Jaradat** ; Marwan Alquran; S. Al-Shara': An accurate method for solving singular second-order fractional Emden-Fowler problem. *Advances in Difference Equations* (2018), 2018:30:1-10.
<https://doi.org/10.1186/s13662-018-1469-2>
14. Muhammed Syam; Marwan Alquran; **H.M. Jaradat**: An invariant subspace method for solving a class of fractional diffusion-wave problems. *International Journal of Open Problems in Computer Science and Mathematics* (2018), 11(1): 6-15.
15. Marwan Alquran; **H.M. Jaradat** ; Muhammed Syam: A modified approach for a reliable study of new nonlinear equation: Two-mode Korteweg-de Vries-Burgers equation. *Nonlinear Dynamics* (2018), 91(3):1619-1626.
<https://doi.org/10.1007/s11071-017-3968-1>

16. Ali Jaradat; Mohd Salmi Md Noorani; Marwan Alquran, **H.M. Jaradat**: Construction and solitary wave solutions of two-mode higher-order Boussinesq-Burger system, *Advances in Difference Equations*, 2017:376:1-10. <https://doi.org/10.1186/s13662-017-1431-8>
17. Marwan Alquran; **H.M. Jaradat** ; Muhammed Syam: Analytical solution of the time-fractional Phi-4 equation by using modified residual power series method. *Nonlinear Dynamics* (2017), 90(4): 2525–2529.
18. **H.M. Jaradat**; Muhammed Syam; Marwan Alquran: Necessary conditions of coupled mKdV-BLMP system for multiple-soliton solutions to exist. *Alexandria Engineering Journal* (2017). In press. <https://doi.org/10.1016/j.aej.2017.06.012>
19. **H.M. Jaradat**; Muhammed Syam; Marwan Alquran: A two-mode coupled Korteweg de Vries: multiple-soliton solutions and other exact solutions. *Nonlinear Dynamics* (2017), 90(1): 371–377
20. **H.M. Jaradat**; Feras Shatat; M.M.M; Jaradat; Marwan Alquran: New Multiple-Kink Solutions and Singular-Kink-Solutions of $(2 + 1)$ -Dimensional Coupled Burgers System with Time Variable Coefficients. *J. Comput. Theor. Nanosci.* (2017), 14(9): 4212-4215.
21. Mohammed Syam; **H.M. Jaradat**; Marwan Alquran: A study on the two-mode coupled modified Korteweg-de Vries using the simplified bilinear and the trigonometric-function methods. *Nonlinear Dynamics* (2017), 90(2): 1363–1371.
22. Mustafa, Zead; Jaradat, M.M.M; **Jaradat, H.M**: A remarks on the paper some fixed point theorems for generalized contractive mappings in complete metric spaces, *Journal of Mathematical Analysis* (2017), 8(2): 17-22.
23. **H. M. Jaradat**: Two-mode coupled Burgers equation: Multiple-kink solutions and other exact solutions, *Alexandria Engineering Journal* (2017), in press. <https://doi.org/10.1016/j.aej.2017.06.014>
24. **H. M. Jaradat**: Dynamic Behavior of Traveling Wave Solutions for New Couplings of the Burgers Equations with Time-Dependent Variable Coefficients, *Advances in Difference Equations*, (2017):167:1-10. <https://doi.org/10.1186/s13662-017-1223-1>
25. Mohammed Syam; **H.M. Jaradat**; An Accurate Integral Solution for Solving the Pantograph Equation, *International Journal of Applied and Computational Mathematics* (2017), 3(1): 825-835.
26. M. Syam; **H. Jaradat**: An Accurate Method for Solving Riccati Equation with Fractional Variable-Order, *journal of interpolation and approximation in scientific computing*, 2018, 2018(1): 1-12.

27. **H.M. Jaradat**; Imad Jaradat; Marwan Alquran; M.M.M. Jaradat; Zead Mustafa; Khedr M. Abohassan; Ra'ed Abdelkarim: Approximate solutions to the generalized time-fractional Ito system, *Italian Journal of Pure and Applied Mathematics*. (2017),37: 699-710.
28. Marwan Alquran; Kamel Al-khaled; Seenith Sivasundaram; **H.M. Jaradat**: Mathematical and numerical study of existence of bifurcations of the generalized fractional Burgers-Huxley equation, *Nonlinear studies* (2017), 24(1): 235-244.
29. M.M.M. Jaradat; Zead Mustafa; Arslan Hojat Ansari; Panda Sumati Kumari; Dlan Dolicanin-Djekic; **H.M. Jaradat**: Some fixed point results for F-generalized cyclic contractions on metric-like space with applications to graphs and integral equations, *Journal of Mathematical Analysis* (2017), 8: 28-45.
30. **H.M. Jaradat**; Marwan Alquran; M.M.M. Jaradat; Zead Mustafa: Mathematical analysis and physical interpretation on new multiple solitonic solutions of N-coupled modified kdV system, *Journal of Mathematical Analysis* (2016), 7:118-129.
31. **H.M. Jaradat**; S. Al-Shara'; M.M.M. Jaradat; Zead Mustafa; O. Alsayyed; Marwan Alquran; Khedr M. Abohassan; S. Momani: New solitary wave and multiple soliton solutions for the time-space coupled fractional mkdV equations with time-dependent coefficients, *Journal of computational and theoretical nanoscience* (2016), 13(12): 9082–9089.
32. **H. M. Jaradat**: New solitary wave and multiple soliton solutions for the time-space fractional Boussinesq equation. *Italian Journal of Pure and Applied Mathematics* (2016), 36: 367-376.
33. **H. M. Jaradat**: Dynamic Behavior of Traveling Wave Solutions for a class for the time-space coupled fractional kdV system with time-dependent coefficients. *Italian Journal of Pure and Applied Mathematics* (2016), 36: 945-958.
34. Zead Mustafa; M.M.M. Jaradat; **H.M. Jaradat**: Some common fixed point results of graphs on b- metric space. *A Journal of Nonlinear Sciences and Applications* (2016), 9(6): 4838-4851.
35. Zead Mustafa; M.M.M. Jaradat; Arslan Hojat Ansari; Branislav Z Popović; **H.M. Jaradat**: C-class functions with new approach on coincidence point results for generalized [Formula: see text]-weakly contractions in ordered b-metric spaces. *SpringerPlus* (2016), 5(1): 802 -819.
36. **H.M. Jaradat**; M.M.M. Jaradat; Fadi Awawdeh; Zead Mustafa, O. Alsayyed, A new numerical method for heat equation subject to integral specifications. *A Journal of Nonlinear Sciences and Applications* (2016), 9(5): 2117-2125.

37. O. Alsayyed; Feras Shatat; **H.M. Jaradat**: A new N-soliton solutions for a generalized mKdV equation with variable coefficients. *The Journal Advanced Studies in Theoretical Physics* (2016), 10(1): 45-56.
38. O. Alsayyed; **H.M. Jaradat**; M.M.M. Jaradat; Zead Mustafa; Feras Shatat: Multi-soliton solutions of the BBM equation arisen in shallow water, *Journal of Nonlinear Sciences and Applications* (2016), 9(4): 1807-1814.
39. **H.M. Jaradat**; Safwan Al-Shara'; Qamar J.A. Khan; Marwan Alquran; Kamel Al-Khaled: Analytical Solution of Time-Fractional Drinfeld-Sokolov-Wilson System Using Residual Power Series Method, *IAENG International Journal of Applied Mathematics* (2016), 46(1): 64-70.
40. Marwan Alquran; **H.M. Jaradat**; Safwan Al-Shara'; Fadi Awawdeh: A new simplified bilinear method for the N-soliton solutions for a generalized FmKdV equation with time-dependent variable coefficients, *International Journal of Nonlinear Sciences and Numerical Simulation* (2015), 16(6): 259-269.
41. **H.M. Jaradat**; Fadi Awawdeh; S. Al-Shara'; M. Alquran; Shaher Momani: Controllable dynamical behaviors and the analysis of fractal Burgers hierarchy with the full effects of in homogeneities of media, *Romanian Journal of Physics* (2015), 60(3-4): 324-343.
42. **H. M. Jaradat**; M. Zuraigat; Safwan Al-Shara'; Qutaibeh Katatbeh: Toward a new algorithm for system of fractional-algebraic equations. *Italian Journal of Pure and Applied Mathematics* (2014), 32: 579-594.
43. Fadi Awawdeh; S. Al-Shara'; **H.M. Jaradat**; A.K. Alomari; R. Alshorman: Symbolic computation on soliton solutions for variable coefficient quantum Zakharov-Kuznetsov equation in magnetized dense plasmas, *International Journal of Nonlinear Sciences and Numerical Simulation* (2014), 15(1): 35-45.
44. R. Al-masaeed; **H.M. Jaradat**: Analytical approximate solutions of differential equation by Laplace Homotopy Analysis Method. *Annals of the university of Craiova-Mathematics and computer science series* (2012), 39(2): 191-199.
45. Fadi Awawdeh; **H.M. Jaradat**; S. Al-Shara': Applications of a simplified bilinear method to ion-acoustic solitary waves in plasma *European Physical Journal D* (2012), 66(2): 1-8.
46. **H.M. Jaradat**; S. Al-Shara'; Fadi Awawdeh; Marwan Alquran: Variable coefficient equations of the Kadomtsev-Petviashvili hierarchy: multiple soliton solutions and singular multiple soliton solutions, *Physica Scripta* (2012), 85(3): 1-7.
47. Fadi Awawdeh; E.A. Rawashdeh; **H.M. Jaradat**: Analytic Solution of Fractional Integro-differential Equations, *Annals of the University of Craiova, Mathematics and Computer Science Series* (2011), 38(1): 1-10.

48. **H.M. Jaradat**; E.A. Rawashdeh; Fadi Awawdeh: On Volterra's Population Growth Models, *Annals of the University of Craiova, Mathematics and Computer Science Series* (2011), 38(2): 18-25.
49. **H.M. Jaradat**: Series Solutions to the Two Point Boundary Value Problems Using Modified Homotopy Analysis Method. *Analele Universității Oradea, Fasc. Matematica, Tom XVIII* (2011): 65-78.
50. **H.M. Jaradat**; Fadi Awawdeh; E.A. Rawashdeh: An analytical scheme for multi-order fractional differential equations, *Tamsui Oxford Journal of Mathematical Sciences* (2010), 26(3): 305-320.
51. Fadi Awawdeh; **H.M. Jaradat**: On a class of inverse problems for degenerate differential equations, *World Academy of Science, Engineering and Technology* (2010), 71: 148-150.
52. Fadi Awawdeh; **H.M. Jaradat**; O. Alsayyed: Solving System of DAEs by Homotopy Analysis Method *Chaos, Solitons & Fractals* (2009), 42(3): 1422-1427.
53. **H.M. Jaradat**; Fadi Awawdeh; O. Alsayyed: Series Solution to the High-order Integro-differential Equations, *Analele Universității Oradea, Fasc. Matematica, Tom XVI* (2009), 247-257.
54. E.A. Rawashdeh; **H.M. Jaradat**; Fadi Awawdeh: Homotopy analysis method for delay-integro-differential equations, *Jordan Journal of Mathematics and Statistics* (2009), 2(1): 15-23.
55. A. Adawi; Fadi Awawdeh; **H.M. Jaradat**: A Numerical Method for Solving Linear Integral Equations. *International Journal of Contemporary Mathematical Sciences* (2009), 4(10): 485-496.
56. **Husein Jaradat**; Omar Alsayyed; S. Alsharo: Numerical Solution of Linear Integro-differential Equations, *Journal of Mathematics and Statistics* (2008), 4(4): 250-254.
57. **Husein M.M. Jaradat**: Numerical solution of linear differential-algebraic equations using Chebyshev polynomials, *International Mathematical Forum* (2012), 3(39): 1933-1943.

Conference Participation:

1. Participated in the 7th International Conference of Numerical Analysis and Applied Mathematics ICNAAM that held on September 18-22, 2009, in Greece. A talk at the conference entitled **"Perturbation Method for Abstract Second Order Inverse Problems"**
2. Participated in "The **International Conference on Applied Mathematics and Engineering Mathematics** " 2010 ICAMEM that held on Nov 24-26, 2010, in Italy. A talk at the conference entitled **"On a Class of Inverse Problems for Degenerate Differential Equations'**
3. Participated in the 5th International Arab conference on mathematics and computations that held on 18th-20th May, 2016, Al-Zarqa, Jordan. A talk at the conference entitled **"Multiple soliton solutions for the coupled Modified kdV system "**
4. Participated in the International Conference on Mathematics and Engineering 2017 (ICOME-2017) that held from May 10 to 12, 2017 in Istanbul, Turkey. A talk at the conference" **Multiple-kink solutions and singular-kink-solutions of (2 + 1)-dimensional coupled Burgers system"**

Academic Honors and Awards

- Fellowship from Yarmouk University, 1996.
- My research ‘‘Variable coefficient equations of the Kadomtsev-Petviashvili hierarchy: multiple soliton solutions and singular multiple soliton solution’’ has been featured in the Physica Scripta Highlights of 2013 collection.

Academic Activities

- ✚ Referee for the Journals, Computational and Applied Mathematics (CAM), Result in physics, Advances of difference equations, Boletim da Sociedade Paranaense de Matemática, International Journal of Applied and Computational Mathematics, complexity journal, Italian Journal of Pure and Applied Mathematics, Applications and Applied Mathematics: An International Journal (AAM), Journal of Applied Mathematics & Information Sciences, Neural Computing and Applications, the international Journal of Nonlinear Science (IJNS), Journal of Mathematics and Applications, Advances in Numerical Analysis, and Mathematical Sciences, Mathematical methods in the applied sciences and Journal of Nonlinear Sciences and Applications.
- ✚ Reviewer for ICNAAM 2009 (International Conference of Numerical Analysis and Applied Mathematics 2009).

✚ Coordinator in International Arab Conference on Mathematics (2016).

References

1. Prof. Nabeil Shawagfeh, Vice President for Al- al Bayt University, Mafrq, Jordan, E-mail: shawagnt@ju.edu.jo
2. Prof. Mohammad Syam, Head, Dept. of Mathematical Sciences, United Arab Emirates University, Al Ain, UAE, E-mail: m.syam@uaeu.ac.ae
3. Prof. Hasan Al-Ezeh, Department of Mathematics, The university of Jordan, Amman, Jordan. E-mail: alezehh@hotmail.com
4. Prof. Fuad A. Kittaneh, Department of Mathematics, The university of Jordan, E-mail: fkitt@ju.edu.jo