

Dr. ABEDEL-KARREM NASSER M. ALOMARI

PERSONAL INFORMATION

Name : ABEDEL – KARREM NASSER M. ALOMARI
Sex : Male
Date of birth : 20 April 1980
Place of birth : Irbid (Jordan)
Marital status : Married

CONTACT INFORMATION

Department of Mathematics
Faculty of Science,
Yarmouk University,
211-63 Irbid,
Jordan

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abdomari2008@yahoo.com

CITIZENSHIP

Jordanian

RESEARCH INTERESTS

Numerical solution for differential equation and delay differential equation, approximate analytical solution for differential equation, Numerical and analytical solution for fractional differential equation, chaotic system, fractional chaotic system, computational fluid dynamic.

EDUCATION

Ph.D. School of Mathematical Sciences, National University of Malaysia (UKM), Bangi, Malaysia.
Rank of University according 2009 Classification, 51 Asian University Rankings, 291 World University Rankings (see <http://www.topuniversities.com/university-rankings/world-university-rankings/2009/results/201-300>)

- Graduated: October 2009
- Thesis Topic: Modifications of homotopy analysis method for various types of differential equations
- Advisor: Professor Mohd Salmi Md Noorani
- Co-advisor: Assoc. Prof. Dr. Roslinda Mohd Nazar

M.Sc., Department of Mathematics, Al al-Bayt University, Almafraq, Jordan

- Graduated: January 2005
- Major: Mathematics
- Area of Study: general mathematics.
- Thesis Topic: Some of Covering Property by ω -open Sets.

B.Sc., Department of Mathematics & Statistics, Mutah University, Alkarak, Jordan

- Graduated: October 2002
- Major: General Mathematics.

AWARDS

- Who's Who in the World, Marquis Publication, 2010
- Graduate Research Fellowship, UKM, 2007 – 2009

- Graduate Research Fellowship, Al al-Bayt University, 2003

ACADEMIC EXPERIENCE

- Associate Professor* **August 2017 up to now**
- Department of Mathematics(Yarmouk University)
- Assistant Professor* **September 2014 up to August 2017**
- Department of Mathematics(Yarmouk University)
- Assistant Professor* **September 2011 up to September 2014**
- Department of Mathematics(Hashimte University)
- Assistant Professor* **October 2009 to September 2011**
- Department of Sciences(Jerash University)
- Teaching
- Calculus I and III.
 - Numerical analysis I and II.
 - Differential Equations.
 - Applied Mathematics I.
 - Euclidean and non Euclidean Geometry.
- Tutor* **October 2007 to 2008**
- School of Mathematical Sciences(UKM)
- Teaching
- Calculus I and II.
 - Linear Algebra.
- Teacher* **September 2003 to October 2006**
- Teacher in Ministry of Education (Jordan)

PUBLICATIONS

0.1 JOURNALS

1. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. On the homotopy analysis method for the exact solutions of Helmholtz equation. *Chaos, Solitons & Fractals* 41: 1873-1879. (Elsevier, ISSN 0960-0779, ISI Journal - Impact Factor 2008: 2.980)
2. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. Explicit series solution of some linear and nonlinear Schrodinger equations via the homotopy analysis method. *Communications in Nonlinear Science and Numerical Simulation* 14: 1196-1207. (Elsevier, ISSN 1007-5704, ISI Journal)
3. A.S. Bataineh, **A.K. Alomari**, M.S.M. Noorani, I. Hashim & R. Nazar. 2009. Series solutions of systems of nonlinear fractional differential equations. *Acta Applicandae Mathematica* 105: 189-198. (Springer, ISSN 0167-8019, ISI Journal - Impact Factor 2008: 0.430)
4. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. Adaptation of the homotopy analysis method for the numeric-analytic solution of Chen system. *Communications in Nonlinear Science and Numerical Simulation* 14: 2336-2346. (Elsevier, ISSN 1007-5704, ISI Journal)

5. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. Comparison between the homotopy analysis method and homotopy perturbation method to solve coupled Schrodinger–KdV equation. *Journal of Applied Mathematics and Computing* 31,1–12 (Springer, ISSN 1598-5865, ISI Journal)
6. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. Solution of delay differential equation by means of homotopy analysis method. *Acta Applicandae Mathematica* published , 108, 395–412(Springer, ISSN 0167-8019, ISI Journal - Impact Factor 2008: 0.430)
7. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2008. Solutions of heat-like and wave-like equations with variable coefficients by means of the homotopy analysis method. *Chinese Physics Letters* 25(2): 589–592. (Institute of Physics (IOP), ISSN 0256-307X, ISI Journal - Impact Factor 2008: 0.743)
8. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2008. The homotopy analysis method for the exact solutions of the K(2,2), Burgers and coupled Burgers equations. *Applied Mathematical Sciences* 2(40): 1963–1977. (Hikari Ltd., Bulgaria, ISSN 1312-885X, Indexed Journal)
9. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2008. Explicit series solution for the Klein-Gordon equation by means of the homotopy analysis method. *Journal of Quality Measurement & Analysis (JQMA)* 4(1): 45–57. (PP&P, UKM, ISSN 1823-5670)
10. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2010. Homotopy analysis method for solving fractional Lorenz system. *Communications in Nonlinear Science and Numerical Simulation* 15, 1864–1872 (Elsevier, ISSN 1007-5704, ISI Journal, Impact factor 2010 is 2.697)
11. **Alomari AK**, Noorani MSM, Nazar R, On a reliable algorithm, *International Journal of Differential Equations*, 2009 (2009), Article ID 710250, 13 pages(Hindawi publisher)
12. **Alomari AK**, Noorani MSM, Nazar R, Homotopy solution for flow of a micropolar fluid on a continuous moving surface *International Journal for Numerical Methods in Fluids* (2011) 66: 608-621 (JOHN WILEY & SONS LTD ISSN: 02712091, Impact Factor 2009: 0.936)
13. **Alomari AK**, Noorani MSM, Nazar R, Homotopy approach for the hyperchaotic Chen system *PHYSICA SCRIPTA* 81 (2010) 045005 (7pp) (IOP PUBLISHING ISSN: 0031–8949 , Impact Factor 2009: 1.088)
14. **Alomari AK**, Hashim I, Analysis of fully developed flow and heat transfer in a vertical channel with prescribed wall heat fluxes by the homotopy analysis method, *International Journal for Numerical Methods in Fluids* 67 (2011) pp. 805–819. (JOHN WILEY & SONS LTD ISSN: 02712091, Impact Factor 2009: 0.936)
15. Aziz R.C., Hashim. I, **Alomari AK**, Thin film flow and heat transfer on an unsteady stretching sheet with internal heating, *Meccanica* (2011) 46: 349–357 (Springer ISSN: 0025-6455, Impact Factor 2009: 0.892)
16. **Alomari AK**, Numerical-analytical method for solving fractional chaotic system, *JOURNAL OF APPLIED FUNCTIONAL ANALYSIS* 6 (2011) 65-69.
17. Alshibly N, **Alomari AK**, Explicate Series Solution for Prey-Predator Problem, *JOURNAL OF APPLIED FUNCTIONAL ANALYSIS* 6 (2011) 85-90.

18. **Alomar AK**, New analytic solution for fractional chaotic dynamical systems using the differential transform method, *Computers and Mathematics with Applications* (2011) 61: 2528–2534 (Impact factor 2010: 1.192)(Top 25 Hottest article)
19. R. Yulita Molliq, M.S.M. Noorani, R.R. Ahmad, **A.K. Alomari**, Modified step variational iteration method for solving fractional biochemical reaction model, *Int. J. Differential Equations*, (2011) 2011:12
20. Moaddy K, Hashim I, **Al Omari AK**, Momani S, A New Hybrid Non-standard Finite Difference-Adomian Scheme for Solution of Nonlinear Equations, *Sains Malaysiana* 40(5)(2011): 515519
21. M. GHOREISHI, A.I.B.MD. ISMAIL, **A.K. ALOMARI**, Comparison Between Homotopy Analysis Method and Optimal Homotopy Asymptotic Method for n th-order integro-differential equation, *Math. Meth. Appl. Sci.* 2011, 34 1833-1842 (Impact Factor 2009: 0.808)
22. M. Mossa Al-sawalha, **A.K. Alomari**; S.M. Goh, M.S.M. Noorani, Active Anti-Synchronization of two Identical and Different Fractional Order Chaotic Systems, *International Journal of Nonlinear Science* 11(2011)267–274
23. M. Ghoreishi, A.I.B.Md. Ismail, **A.K. Alomari**, A. Sami Bataineh, The Comparison Between Homotopy Analysis Method and Optimal Homotopy Asymptotic Method for Nonlinear Age-Structured Population Models, *Commun Nonlinear Sci Numer Simulat* 17 (2012) 11631177.(Impact Factor 2011: 2.697)
24. Ghoreishi, M., Ismail, A.I.B.M., **Alomari, A.K.**, Application of the homotopy analysis method for solving a model for HIV infection of CD4+ T-cells, *Mathematical and Computer Modelling* 54 (2012), pp. 3007-3015 (Impact Factor 2011: 1.066)(Top 25 Hottest article)
25. Bani-Ahmad, F. Al-Dolat, M. Tahat, N. **Alomari, A.K**, Singular Value Inequalities for Commutators of Operators, *Int. Journal of Math. Analysis*, 6, (2012) pp. 2083 – 2089
26. Tahat N, Mustafa Z, **Alomari, A.K**, New ID-Based Digital Signature Scheme on Factoring and Discrete Logarithms, *Applied Mathematical Sciences*, 6:(2012), pp. 1363 – 1369
27. Anakira N. Ratib, **Alomari AK**, Hashim I, Numerical Scheme for Solving Singular Two-Point Boundary Value Problems, *Journal of Applied Mathematics*, Volume 2013, Article ID 468909, 8 pages(Impact Factor 2011: 0.834)
28. Bataineh A. Sami, **Alomari AK**, Hashim I. Approximate Solutions of Singular Two-Point BVPs Using Legendre Operational Matrix of Differentiation, *Journal of Applied Mathematics*, Volume 2013, Article ID 547502, 6 pages(Impact Factor 2012: 0.834)
29. Molliq R. Yulita , Noorani M.S.M., Ahmad R.R, **ALOMARI A.K.** A Step Variational Iteration Method for Solving Non-Chaotic and Chaotic Systems, *Sains Malaysiana* 42(3)(2013): 347358 (Impact Factor 2011: 0.268)
30. R. C. Aziz, I. Hashim, **A. K. Alomari**, Flow and Heat Transfer in a Liquid Film over a Permeable Stretching Sheet, *Journal of Applied Mathematics*, Volume 2013 (2013), Article ID 487586, 9 pages(Impact Factor 2012: 0.834)
31. **A. K. Alomari**, N. Ratib Anakira, A. Sami Bataineh, I. Hashim, Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem, *Mathematical Problems in Engineering*, Volume 2013 (2013), Article ID 136043, 7 pages (Impact Factor 2012: 1.383)

32. **A.K. Alomari**, F. Awawdeh, N. Tahat, F. Bani Ahmad, W. Shatanawi, Multiple solutions for fractional differential equations: Analytic approach, *Applied Mathematics and Computation* Volume 219, Issue 17, 1 May 2013, Pages 8893-8903 (Impact Factor 2012: 1.349) (Top 25 Hottest Articles)
33. N. Ratib Anakira, **A. K. Alomari**, and I. Hashim, Optimal Homotopy Asymptotic Method for Solving Delay Differential Equations, *Mathematical Problems in Engineering* Volume 2013 (2013), Article ID 498902, 11 pages (Impact Factor 2012: 1.383)
34. Fadi Awawdeh, Safwan Al-Shara, H.M. Jaradat, **A.K. Alomari** and Rafat Alshorman, Symbolic Computation on Soliton Solutions for Variable-coefficient Quantum Zakharov-Kuznetsov Equation in Magnetized Dense Plasmas Differential Equations, *Int. J. Nonlinear Sci. Numer. Simul.* 2014; 15(1): 3545 (Impact Factor 2013: 0.622)
35. **A. K. Alomari**, N. Ratib Anakira, and I. Hashim, Multiple Solutions of Problems in Fluid Mechanics by Predictor Optimal Homotopy Asymptotic Method, *Advances in Mechanical Engineering* Volume 2014 (2014), Article ID 372537, 7 pages (Impact Factor 2013: 0.50)
36. **A. K. Alomari**, A novel solution for fractional chaotic Chen system, *J. Nonlinear Sci. Appl.* 8 (2015), 478488(Impact Factor 2014: 0.949)
37. **A. K. Alomari**, On accuracy of numerical-analytical solution expression for hyperchaotic Rossler system, *J. Adv. Math. Stud.* 8 (2015) 185–196
38. Ali Jameel, N. R. Anakira, **A. K. Alomari**, Ishak Hashim, M. A. Shakhatareh. Numerical solution of nth order fuzzy initial value problems by six stages. *J. Nonlinear Sci. Appl.* 9 (2016), 627–640.(Impact Factor 2014: 0.949)
39. N. R. Anakira, **A. k. Alomari**, A. F. Jameel, I. Hashim, Multistage optimal homotopy asymptotic method for solving initial-value problems, *J. Nonlinear Sci. Appl.* 9 (2016), 1826-1843.(Impact Factor 2014: 0.949)
40. **A. k. Alomari**, Fadi Awawdeh, Saeid Abbasbandy, O. Alsayed, F. Bani Ahmad, ANALYSIS OF STEADY THREE DIMENSIONAL HYDROMAGNETIC STAGNATION POINT FLOW TOWARDS A STRETCHING SHEET WITH HEAT GENERATION, *Italian journal of pure and applied mathematics* 36 (2016) 179–194
41. F. Bani-Ahmad **A. k. Alomari**, A. Sami Bataineh , J. Sulaiman, I. Hashim, ON THE APPROXIMATE SOLUTIONS OF SYSTEMS OF ODEs BY LEGENDRE OPERATIONAL MATRIX OF DIFFERENTIATION, *Italian journal of pure and applied mathematics* 36 (2016) 483–494
42. A.F. Jameel, Nidal Anakira, **A. K. Alomari**, I. Hashim and Shaher Momani, A New Approximation Method for Solving Fuzzy Heat Equations (Accepted in *Journal of Computational and Theoretical Nanoscience* 2016)
43. Awawdeh F, **Alomari AK**, Abu-Falahah I. Source degenerate identification problems with smoothing overdetermination. *Advances in Difference Equations.* 2017 Dec 1;2017(1):347.
44. Anakira NR, **Alomari AK**, Jameel AF, Hashim I. Multistage optimal homotopy asymptotic method for solving boundary value problems with robin boundary conditions. *Far East Journal of Mathematical Sciences.* 2017 Oct 1;102(8):1727-44.

45. Al-Jamal MF, **Alomari AK**, Gockenbach MS. Smoothing via elliptic operators with application to edge detection. *Inverse Problems in Science and Engineering*. 2018 May 4;26(5):657-76.
46. Al-Hazaimeh OM, Al-Jamal MF, Alhindawi N, **Omari A**. Image encryption algorithm based on Lorenz chaotic map with dynamic secret keys. *Neural Computing and Applications*.2017:1-1.
47. Tahat, Nedal, E. S. Ismail, and **A. K. Alomari**. "Partially blind signature scheme based on chaotic maps and factoring problems." *Italian Journal of Pure and Applied Mathematics* 39 (2018): 165-177.
48. Jameel, A. F., Anakira, N. R., Rashidi, M. M., **Alomari, A. K.**, Saaban, A., & Shakhathreh, M. A. (2018). DIFFERENTIAL TRANSFORMATION METHOD FOR SOLVING HIGH ORDER FUZZY INITIAL VALUE PROBLEMS. *Italian Journal of Pure and Applied Mathematics*, (39), 194-208.
49. Jameel, A. F., Saaban, A., Altaie, S. A., Anakira, N. R., **Alomari, A. K.**, & Ahmad, N. (2018). SOLVING FIRST ORDER NONLINEAR FUZZY DIFFERENTIAL EQUATIONS USING OPTIMAL HOMOTOPY ASYMPTOTIC METHOD. *International Journal of Pure and Applied Mathematics*, 118(1), 49-64.
50. **Alomari, A. K.**, Syam, M., Al-Jamal, M. F., Bataineh, A. S., Anakira, N. R., & Jameel, A. F. (2018). Modified Legendre Operational Matrix of Differentiation for Solving Strongly Nonlinear Dynamical Systems. *International Journal of Applied and Computational Mathematics*, 4(5), 117.
51. Anakira, N. R., Jameel, A., **Alomari, A. K.**, Saaban, A., Almahameed, M., & Hashim, I. (2018). Approximate Solutions of Multi-Pantograph Type Delay Differential Equations Using Multistage Optimal Homotopy Asymptotic Method. *Journal of Mathematical and Fundamental Sciences*, 50(3), 221-232.
52. Jameel, A. F., Anakira, N. R., **Alomari, A. K.**, Alsharo, D. M., & Saaban, A. (2019). New semi-analytical method for solving two point nth order fuzzy boundary value problem. *International Journal of Mathematical Modelling and Numerical Optimisation*, 9(1), 12-31.
53. Bataineh, A. S., **Al-Omari, A. A.**, Rasit Isik, O., & Hashim, I. (2019). Multistage Bernstein collocation method for solving strongly nonlinear damped systems. *Journal of Vibration and Control*, 25(1), 122-131.
54. **Alomari, A. K.**, Erturk, V. S., Momani, S., & Alsaedi, A. (2019). An approximate solution method for the fractional version of a singular BVP occurring in the electrohydrodynamic flow in a circular cylindrical conduit. *The European Physical Journal Plus*, 134(4), 158.
55. Anakira, N. R., Shather, A. H., Jameel, A. F., **Alomari, A. K.**, & Saaban, A. (2019). Direct solution of uncertain bratu initial value problem. *International Journal of Electrical and Computer Engineering (IJECE)*, 9(6), 5075-5083.
56. Tahat, N., **Alomari, A. K.**, AlFreedi, A., Al-Hazaimeh, O. M., & AlJamal, M. F. (2019). An Efficient Identity-Based Cryptographic Model for Chebyhev Chaotic Map and Integer Factoring Based Cryptosystem. *Journal of Applied Security Research*, 14(3), 257-269.
57. Saad, K. M., AL-Shareef, E. H., **Alomari, A. K.**, Baleanu, D., & Gómez-Aguilar, J. F. (2020). On exact solutions for time-fractional Korteweg-de Vries and

- Korteweg-de Vries-Burgers equations using homotopy analysis transform method. Chinese Journal of Physics, 63, 149-162.
58. Omari, D., **Alomari, A. K.**, Mansour, A., Bawaneh, A., & Mansour, A. (2020). Analytical Solution of the Non-linear MichaelisMenten Pharmacokinetics Equation. International Journal of Applied and Computational Mathematics, 6(1), 10.
 59. Jameel, A. F., Anakira, N. R., Shather, A. H., Saaban, A., & **Alomari, A. K.** (2020). Numerical algorithm for solving second order nonlinear fuzzy initial value problems. International Journal of Electrical and Computer Engineering (IJECE), 10(6), 6497-6506.
 60. **Alomari, A. K.** (2020). Homotopy-Sumudu transforms for solving system of fractional partial differential equations. Advances in Difference Equations, 2020(1), 1-16.
 61. **Alomari, A. K.**, Syam, M. I., Anakira, N. R., & Jameel, A. F. (2020). Homotopy Sumudu transform method for solving applications in physics. Results in Physics, 103265.
 62. Aljhani, S., Md Noorani, M. S., & **Alomari, A. K.** (2020). Numerical Solution of Fractional-Order HIV Model Using Homotopy Method. Discrete Dynamics in Nature and Society, 2020.
 63. Tahat, N., **Alomari, A. K.**, Al-Hazaimah, O. M., & Al-Jamal, M. F. (2020). An efficient self-certified multi-proxy signature scheme based on elliptic curve discrete logarithm problem. Journal of Discrete Mathematical Sciences and Cryptography, 1-14.

0.2 Accepted papers

1. **A.K. ALOMARI**, GHUFRAN A DRABSEH, MOHAMMAD F. AL-JAMAL, RAMZI B. ALBADARNEH, NUMERICAL SIMULATION FOR FRACTIONAL PHI-4 EQUATION USING HOMOTOPY SUMUDU APPROACH, International Journal of Simulation and Process Modelling
2. : **A.K. Alomari**, Mohammad F. Al-Jamal, N. Tahat, Anti-Synchronization of Nonidentical Fractional Order Hyperchaotic Systems, Int. J. of Computing Science and Mathematics.
3. Obaida M. Al-Hazaimah, Mohammad F. Al-Jamal, **A.K. Alomari**, Mohammed J. Bawaneh, Nedat Tahat, Image encryption using anti-synchronization and Bogdanov transformation map, Int. J. of Computing Science and Mathematics.
4. Alomari, A. K., Syam, M. I., Anakira, N. R., & Jameel, A. F. Homotopy Sumudu transform method for solving applications in physics. Results in Physics.
5. A.S. Bataineh, O.R. Isik, A.K. Alomari, M.T. Shatnawi, I. Hashim. An Efficient Scheme for Time-Dependent Emden-Fowler Type Equations Based on Two-Dimensional Bernstein Polynomials. Mathematics.

0.3 PROCEEDINGS

1. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. Homotopy solution of nonlinear dynamic system containing fractional derivative. *Prosiding Kolokium Siswazah Ke-9*, FST, UKM, 24-25 Jun 2009, 39-41.

2. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2009. New solution for hyperchaotic Rossler system. *Proceedings of the 5th Asian Mathematical Conference 2009 (AMC 2009)*, Kuala Lumpur, Malaysia, 22-26 June 2009, 1–5.
3. **A.K. Alomari**, M.S.M. Noorani, R. Nazar & M. Darus. 2008. Series solution of nonlinear dynamic system containing fractional derivative. *Proceedings of the 13th WSEAS International Conference on Applied Mathematics*, Canary Islands, Spain, 15–17 December 2008, 262–266.
4. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2008. Analytic series solutions for flow Of micropolar fluid on a continuous moving surface. *Proceedings of the International Symposium on New Development of Geometric Function Theory and Its Applications (GFTA 2008)*, Bangi, Malaysia, 10–13 November 2008, 321–328.
5. **A.K. Alomari**, M.S.M. Noorani, R. Nazar & A. Zaharim. 2008. Explicit series solution for the sine-Gordon equation by means of the homotopy analysis method. *Proceedings of Seminar on Engineering Mathematics*, Cameron Highlands, Pahang, 27–29 June 2008, 113–117.
6. **A.K. Alomari**, M.S.M. Noorani & R. Nazar. 2007. Explicit series solution for the Klein-Gordon equation by means of the homotopy analysis method. *Proceedings of the International Conference on Mathematical Sciences 2007*, Bangi, Malaysia, 28–29 November 2007, 125–137.
7. **A.K. Alomari**. 2010. Numerical–Analytical Method for Solving Fractional Chaotic System. *Proceedings of the Chaos and Complex System 2010*, Istanbul, Turkish, 21–24 May 2010.
8. **A.K. Alomari**, New Analytical Solution for Dynamical System Containing Fractional Derivative, *The 3rd conference on mathematical science*, Zarqa University, Jordan, 27–29 April 2011
9. **A.K. Alomari**, New Analytical Solution for fractional Hyperchaotic system, *The 6th international conference in dynamical systems and application*, Morehouse college, Atlanta, Georgia, USA , 25–28 May 2011
10. Awawdeh, Fadi, and **A. K. Alomari**. "A numerical scheme for the one-dimensional wave equation subject to an integral conservation condition." AIP Conference Proceedings. Vol. 1739. No. 1. AIP Publishing, 2016.?
11. **A.K. Alomari**, A. Alshbail, Modified Legendre operator matrix for nonlinear IVP , AIP Conference Proceedings. Vol. 1978. No. 1. AIP Publishing, 2018

REVIEWER

A reviewer in the following international journals

- Journal of Computational and applied Mathematics.
- Computers and Mathematics with Applications.
- Journal of Applied Mathematics and Computing
- Mathematical and Computational Applications.

TECHNICAL SKILLS

MAPLE experience: Linear Algebra, Nonlinear Numerical Methods, Analytical Solutions, Plots options, Programming.

MATHEMATICA experience: Linear algebra, Nonlinear Numerical Methods, Analytical Solutions, Plots Options, Programming.

ICDL (International computer deriving license)

Programming: C++, Pascal

Applications: \TeX , \LaTeX , \BIBTeX , Microsoft Office, and other common productivity packages for Windows.

MATHEMATICAL EXPERTISE

Fractional calculus

Differential equation

Numerical and analytical methods for solving differential equations

Control theory (Synchronization of fractional chaotic system)

LANGUAGES

Arabic: Mother tongue.

English: All of my study (B.S., M.S, Ph.D) are conducted in English language.

REFERENCES

1. Professor Mohd Salmi Md Noorani, School of Mathematical Sciences, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor, Malaysia.
E-mail: msn@ukm.my
2. Professor Roslinda Mohd Nazar, School of Mathematical Sciences, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor, Malaysia.
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LAST UPDATE

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