CV for Khaled Mohammed Ali Saad

Khaled M. Saad is an Associate Professor in the Department of Mathematics at Najran University in Najran in the Kingdom of Saudi Arabia. He received his M.Sc. and Ph.D. degrees in Mathematics from Cairo University in Cairo in Egypt. He is also an Associate Professor in the Department of Mathematics at Taiz University in Taiz in Yemen. His research interest includes numerical solutions for fractional differential equations. He has published more than 50 research papers in reputed international scientific journals. He is also a reviewer for more than 50 international scientific research journals. Recently, he has named within top 2% (2019 and 2020) of the world Mathematica Scientists according to the classification of Stanford University.

خالد محمد سعد حاليا أستاذ مشارك في قسم الرياضيات بجامعة نجران بنجران بالمملكة العربية السعودية. حصل على درجة البكالوريوس من جامعة صنعاء-كلية العلوم بتعز- حصل على درجة الماجستير والدكتوراه في الرياضيات التطبيقية - معادلات تفاضلية- من جامعة القاهرة - مصر. وهو أيضًا أستاذ مشارك في قسم الرياضيات بجامعة تعز- اليمن. تشمل اهتماماته البحثية الحلول العددية للمعادلات التفاضلية الكسرية. وقد نشر أكثر من 50 ورقة بحثية في مجلات علمية دولية مرموقة. كما أنه مراجع لما يزيد عن 50 مجلة بحثية دولية. في الآونة الأخيرة ، تم اختياره ضمن أفضل 2 ٪ (2019 و 2020) من علماء الرياضيات في العالم وفقًا لتصنيف جامعة ستانفورد.

Personal Particulars

Permanent Address	Department of Mathematics Taiz University, Yemen
Current Address	Department of Mathematics Najran University, Saudi Arabia
Date of Birth	1969
E-Mail	Khaledma_sd@hotmail.com,kmalhamam@nu.edu.sa
Tel. No.	00966560804165

Education Background

First Degree	Mathematics BSc Hons, Class University of Sanaa (1990-1994)
Higher Degree	Ms in Applied Mathematics, Cairo University, (1997-1999) PhD in Applied Mathematics, Cairo University, (2001-2005)
Biographical Statement	1996-2000, Coordinator in Taiz University. 2000-2005, Lecture in Taiz University 2005- 2011, Assistance Professor in Taiz University 2011- , Associate. Professor in Taiz University 2009-2018, Assistance Professor in Najran University 2018-, Associate Professor in Najran University

Referees of my Master thesis

- Prof. *Hamdy Ibrahim Abdel-Gawad,* Cairo University , *Egypt*

- Prof. *Ahmed H . Khater* ,Cairo University , Egypt
- Prof. *Noel Frederick Smyth*, University of Edinburgh, UK

Referees of my Ph. D. thesis

- *Prof. Hamdy Ibrahim Abdel-Gawad, Cairo University, Egypt*
- *Prof. Tim Marchant,* University of Wollongong, Australia
- *Prof. Shigui Ruan,* University of Miami ,USA

Member of the Committees

- Member of the Committee for the admission of master students in the Department of Mathematics - Faculty of Science - University of Taiz for the academic year 2006.
- Member of the Committee of Admission of Teaching Assistants in the Department of Mathematics, Faculty of Science, Taiz University for the academic year 2008.
- Associate member in the establishment of the Department of computer teacher in the center of training and rehabilitation in Taiz University 2009.
- Rapporteur of the Quality Committee in the College of Science and Arts - University of Najran - during the academic year 2009 - 2010.
- Member of the Committee for the specification of Courses of Higher Diploma - Graduate Studies - Department of Mathematics - College of Science and Arts - University of Najran 2009 - 2010.

- Member of the Committee for the specification of courses of mathematics - College of Engineering and the College of Computer - University of Najran 2009 - 2010.
- Member of the Committee for the specification of the courses of Bachelor - Department of Mathematics - Faculty of Science and Arts - University of Najran 2010 - now.
- Member of the Committee for the preparation of the bachelor program - in the Department of Mathematics - Faculty of Science and Arts - University of Najran 2010 - now.
- Member of the Committee for the preparation of a student guide for the Department of Mathematics - College of Science and Arts - University of Najran 2010 - 2011.
- Member of the Strategic Planning Committee at the College of Science and Arts from 2010- 2012.
- Chairman of the Program Report Committee in the Department of Mathematics from 2012 to present.

KEY SKILLS

Research

Numerical solutions for fractional differential equations, Special functions, Theory of stability

Technical

Competent user of Microsoft Office suit products

Latex (WinEdt), Mathematica, Black Board.

Conferences and workshop

1) 6th conference on theoretical and applied mechanics, Egypt in Cairo, 1999.
2) Seminar of one day in Mathematics, 1999 Egypt in Cairo University.
3) Seminar on mathematical analysis and its applications, Egypt in Cairo University, 2003.s
4) Workshop in development of the education programming, Yemen, In Taiz University, 2007.
5) OSU Yemen Higher Education Development Project, Strategies for income generation in Universities and faculties, Yemen, In Taiz University,2008
6) Workshop on Self-Evaluation, Saudi Arabia , in Najran University, 30-3-2010.
7) Lectures and training on e-learning (Blackboard – Question Mark – Elluminate- tegrity) , Saudi Arabia , in Najran University, 9 days, 2011.
8) Workshop entitled "The essential Academic Leader , Academic Leadership Center , Ministry of Higher Education, Saudi Arabia, 8-9, 2011.
9) Special functions and applications, King Saud University, Riyadh, 11-4-1434 , 20-2-2013
10) Infographic Education, Vice Presidency For Development & Quality, Najran University, 13-06-1437, 12-03-2017

11) How to get published with SAGE, Saudi Digital Library, 2018.
12) Search mechanism through the portal of the Saudi Digital Library, Saudi Digital Library, 2018.
13) Shams-Saudi OER Network, E-Learning and Distance Learning Deanship, Najran University, 10-07-1439—11-07-1439.
14) Web of Science –Discovery start here, Saudi Digital Library, 2018.
15) 2ND INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING, APPLIED ANALYSIS AND COMPUTATION (ICMMAAC-19), 8-10 AUGUST 2019
16) International E-Conference on Recent Advances in Biomathematics, Bangladesh Society for Mathematical Biology (BSMB), 2020.
17) The First Online Conference on Modern Fractional Calculus and Its Applications, Biruni University, Istanbul, Turkey, December 4-6, 2020
18) The Second International Conference of Mathematics and its Applications (ICMA2021), King Khaled University, Ibha, Kingdom of Saudi Arabia, 2021
19) International Conference of Technology, Science and Administration (ICTSA-2021), Taiz University, Taiz, Yemen,2021
20) The Second International Conference The Future of E-Learning In the Kingdom of Saudi Arabia according to Vision 2, Qassim University, 2021
21) 12th Virtual Conference on Dynamical Systems Applied to Biology and Natural Sciences, held from February 2-5th, 2021.
22) 4th International Conference on Mathematical Modelling, Applied Analysis and Computation-2021 (ICMMAAC-21)' Virtual during August 5-7, 2021, JECRC University, Jaipur, Rajasthan (India).
23) International Workshop on "Recent Trends in Applied Mathematics and Research Methodology", Department of mathematics, Govt. MGM PG College, Itarsi, 2021

24) 1st International E-Conference in Mathematical Sciences and Fractional Calculus (ICMSFC Feb 2021) Organized by Fractional Calculus and Applications Group, Alexandria – Egypt, 2021

25) International Webinar on "National Science Day on "Application of Mathematics: Future of Science, Technology and Innovation", Jaipur Mathematical Society (JMC) , 2021, India

Summer Schools

Attendance at the International Summer School of Mathematics at King Khalid University - Saudi Arabia 13-19 / 10/1440 - 16-22 / 06/2019

Teaching Courses

Taiz University (2005- 2009)

1. B. Sc. Program

Subject	College
Complex Analysis I , II	Science - Education
Ordinary differential Equations I, II	Science - Education
Partial Differential Equations I, II	Science - Education
Calculus I	Engineering
Linear Algebra I, II	Education
Real analysis I	Education
Number Theory	Education
Numerical Analysis I, II	Education

2. Postgraduate Program (M. Sc) 2007-2008

Subject	College
Theory of Differential Equations	Science

3- University of Science and Technology (Taiz-Yemen) (2005-2006)

Subject	College
Numerical Analysis	Computer Science
Calculus I	Computer Science

4- Nationality University (Taiz-Yemen) (2005- 2009)

Subject	College
Numerical Analysis	Computer Science - Engineering
Calculus I, II,III	Computer Science - Engineering
Differential Equations	Engineering
Statistics	Computer Science – Engineering - Administrative
Operations Research	Administrative

5- Najran University (2009- now)

i) B. Sc. Program

Subject	College
Statistics and Probability	Science
Ordinary differential Equations II	Science
Calculus II	Computer Science -Engineering
Calculus III	Engineering

Three-dimensional analytic geometry	Science
Ordinary differential Equations	Engineering

ii) Postgraduate Program (Higher Diploma) 2009-Now

Subject	College
Theory of Differential Equations	Science
Partial Differential Equations	Science

iii) Postgraduate Program (M. Sc) 2009-Now

Subject	College
Theory of Differential Equations	Science
Applied Mathematics	Science

Publications

1) *H. I. Abdel-Gawad and K. M. Saad*, Effects of the viscosity on the dispersion of nonlinear ion acoustic waves, Proc. Math. Phys. Soc. Egypt, 73, (1999), 151–181.
2) *H. I. Abdel-Gawad and K. M. Saad*, On the behaviour of solutions of the two-cell cubic autocatalator. ANZIAM, 44, (2002), E1–E32,
3) *H. I. Abdel-Gawad, A. M. El-shrae, K. M. Saad*, Criterion of Existence of Realistic Permanent Travelling Wave Solutions in Reaction Diffusion Systems, Communications in Numerical Analysis, 2017, No. 1 (2017), 50-79.

4) *H. I. Abdel-Gawad and K. M. Saad*, A chemotherapy – diffusion model for the cancer treatment and initial does control. KMJ, 48, (2008), 395-410.

5) *K. M. Saad and A. M. El-shrae*, Travelling waves in a cubic autocatalytic reaction , Advances and Applications in Mathematical Sciences, 8(2011), 87-104.

6) *K. M. Saad and A. M. El-shrae*, Numerical Methods for computing the Evans function, ANZIAM J. , 52(E) (2011), E76- E99.

7) *K. M. Saad* , An approximate analytical solution of coupled nonlinear fractional diffusion equations, *Journal of Fractional Calculus and Applications*, 5(1), (2014), 58-70.

8) *K. M. Saad, A. A. AL-shormani*, An application of homotopy analysis transform method for Riccati differential equation of fractional order, *Journal of Fractional Calculus and Applications,* 7(1) , (2016), 61-72.

9) *K. M. Saad, E. H. AL-Shareef, Mohamed S. Mohamed, and Xiao-Jun Yang*, Optimal q-homotopy analysis method for time-space fractional gas dynamics equation. *The European Physical Journal Plus*, 132(1)(2017),23.

10) *K. M. Saad* and *Eman. H. F. AL-Sharif,* Analytical study for time and time-space fractional Burgers' equation, , Advances in Difference Equations, (2017), *3*.

11) *K. M. Saad, Sinan DENİZ, P. Agarwal*, Approximate solutions for a Cubic Autocatalytic Reaction, Electronic Journal of Mathematical Analysis and Applications, 7(1) ,(2019), 14-32.

12) *K. M. Saad*, O. *S. Iyiola, P. Agarwal*, An effective homotopy analysis method to solve the cubic isothermal auto-catalytic chemical system, AIMS Mathematics, 3(1), (2018), 183-194.

13) *K. M. Saad*, A Reliable analytical algorithm for space-time fractional cubic Isothermal autocatalytic chemical system, Pramana - J Phys, (2018) 91: 51. https://doi.org/10.1007/s12043-018-1620-3.

14) *M. M. Khader and K. M. Saad*, A numerical approach for solving the fractional Fisher equation using Chebyshev spectral collocation method, Chaos, Solitons & Fractals, 110 (2018), 169-177.

15) *M. M. Khader and K. M. Saad*, On the numerical evaluation for studying the fractional KdV, KdV-Burgers and Burgers equations, Eur. Phys. J. Plus (2018) 133: 335. https://doi.org/10.1140/epjp/i2018-12191-x.

16) *M. M. Khader and K. M. Saad*, A numerical study using Chebyshev collocation method for a problem of biological invasion: fractional Fisher equation, International Journal of Biomathematics, 11 (7) (2018), https://doi.org/10.1142/S1793524518500997

17) *K. M. Saad* , Comparing the Caputo, Caputo-Fabrizio and Atangana-Baleanu derivative with fractional order: fractional Cubic Isothermal Auto-catalytic Chemical System, Eur. Phys. J. Plus, 133:49, 2018.

18) *K. M. Saad* and *J. F. Gomez-Aguilar*, Coupled reaction-diffusion waves in a chemical system via fractional derivatives in Liouville-Caputo sense, Revista Mexicana de Fısica, 64(5), (2018), 539.

19) *K. M. Saad and J. F. Gomez-Aguilar,* Analysis of reaction diffusion system via a new fractional derivative with non-singular kernel, Physica A: Statistical Mechanics and its Applications, 509(1), (2018), 703-716.

20) *H. M. Srivastava and K. M. Saad* , Some New Models of the Time-Fractional Gas Dynamics Equation, Advanced Mathematical Models & Applications 3(1), (2018), 5-17.

21) *K. M. Saad* , *Dumitru Baleanu* , and *Abdon Atangana* , New Fractional derivatives applied to the Korteweg-de Vries and Korteweg-de Vries-Burger's Equations, A. Comp. Appl. Math. (2018). https://doi.org/10.1007/s40314-018-0627-1.

22) *K. M. Saad* , and *Abdon Atangana* , *Dumitru Baleanu*, New Fractional derivatives with non-singular kernel applied to the Burger's Equation, Chaos 28, 063109 (2018); https://doi.org/10.1063/1.5026284.

23) *H. M. Srivastava, Khaled M. Saad, and Eman H.F. Al-Sharif,* New Analysis of the Time-Fractional and Space-TimeFractional-Order Nagumo Equation, Journal of Informatics and Mathematical Sciences , 10(4) (2018), 545 - 561.

24) *J. F. Gómez-Aguilar, K.M. Saad, D. Baleanu*, Fractional dynamics of an erbium-doped fiber laser, Optical and Quantum Electronics, 51, (2019) 316

25) *V. F. Morales-Delgado, J. F. Gómez-Aguilar, K. M. Saad, Muhammad Altaf Khan, P. Agarwal,* Analytic solution for oxygen diffusion from capillary to tissues involving external force effects: a fractional calculus approach, Physica A, 523, (2019), 48-65.

26) *V. F. Morales-Delgado, J. F. Gómez-Aguilar, K. M. Saad, R.F. Escobar-Jiménez,* Application of the Caputo-Fabrizio fractional derivative to mathematical model of cancer chemotherapy effect, Mathematical Method in Applied Science, 42(12), (2019), 1167-1193

27) *Khaled M. Saad and Eman H. F. AL-Sharif* , Comparative study of a cubic autocatalytic reaction via different analysis methods, DCDS-S , 12(3), (2019), 665-684. doi: 10.3934/dcdss.2019042.

28) *K. M. Saad, M. M. Khader, J. F. Gómez-Aguilar , and Dumitru Baleanu,* Numerical solutions of the fractional Fisher's type equations with Atangana-Baleanu fractional derivative by using spectral collocation methods, Chaos 29, (2019), 023116 https://doi.org/10.1063/1.5086771.

29) *K. M. Saad, J. F. Gómez-Aguilar, A. Atangana, R. F. Escobar-Jiménez,* Model of Coupled System of Fractional Reaction-Diffusion Within a New Fractional Derivative Without Singular Kernel, Chapter in book entitled "Fractional Derivatives with Mittag-Leffler Kernel", Verlag: Springer International Publishing, 2019.

30) *Khaled M. Saad , Sinan Deniz , Dumitru Baleanu* , On a new modified fractional analysis of Nagumo equation, International Journal of Biomathematics, 12(3), (2019) 1950034, 10.1142/S1793524519500347.

31) *Sinan Deniz , Khaled M. Saad,* An efficient semi-analytical method for solving the generalized regularized long wave equations with a new fractional operator, submitted.

32) *H. M. Srivastava and Khaled M. Saad* , New Approximate Solution of the Time-Fractional Nagumo Equation Involving Fractional Integrals Without Singular Kernel, Appl. Math. Inf. Sci. 14(1), (2020), 1-8.

33) *M. M. Khader, K. M. Saad, Zakia Hammouch, and Dumitru Baleanu* , On the numerical treatments for solving the fractional KdV and KdV-Burger's equations in Caputo-Fabrizio sense via spectral collocation method, appear in Applied Numerical Mathematics.

34) *K. M. Saad, H. M. Srivastava, J. F. Gómez-Aguilar, A Fractional Quadratic Autocatalysis Associated with Chemical Clock Reactions Involving Linear Inhibition*, Chaos Solitons Fractals, 132 (2020) https://doi.org/10.1016/j.chaos.2019.109557.

35) *A. A. Alderremy, Khaled M. Saad, Praveen Agarwal, Shaban Aly , Shilpi Jain,* Certain New Models of the Multi Space-Fractional Gardner Equation, Physica A: Statistical Mechanics and its Applications, (2019), https://doi.org/10.1016/j.physa.2019.123806.

36) *H. I. Abdel-Gawad, A. A. Aldailami, Khaled M. Saad, J. F. Gómez-Aguilar, q*-dynamic equations on a time scale, *Numerical Methods for Partial Differential Equations* , 2020, https://doi.org/10.1002/num.22725

37) *Khaled M. Saad,* New Fractional derivative with non-singular kernel for deriving Legendre spectral collocation method, Alexandria Engineering Journal, (2019), https://doi.org/10.1016/j.aej.2019.11.017.

38) *N. Bildik and S. Deniz, Khaled M. Saad, A comparative study on solving fractional* cubic isothermal auto-catalytic chemical system via new efficient technique, Chaos, Solitons & Fractals, 132, (2020), 109555.

39) *M. M. Khader, K. M. Saad, Dumitru Baleanu,* A spectral collocation method for fractional chemical clock reactions, appear in Computational and Applied Mathematics.

40) *H. M. Srivastava, H. I. Abdel-Gawad, K. M. Saad,* Stability of Traveling Waves Based upon the Evans Function and Legendre Polynomials, Applies Sciences, 10 (3), (2020), 846

41) *K. M. Saad, Eman. H. F. AL-Shareef, A. K. Alomari, Dumitru Baleanud, J. F. Gómez-Aguilar,* On exact solutions for time-fractional Korteweg-de Vries and Korteweg-de Vries-Burger's equations using homotopy analysis transform method, Chinese Journal of Physics, 63, (2020), 149-162.

42) *M. M. Khader and K. M. Saad,* Numerical Studies of the Fractional Korteweg-de Vries, Korteweg-de Vries-Burgers' and Burgers' Equations. *Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.* (2020). https://doi.org/10.1007/s40010-020-00656-2

43) *H. M. Srivastava , H. I. Abdel-Gawad, K. M. Saad*, Oscillatory states and patterns formation in a two-cell cubic autocatalytic reaction-diffusion model subjected to the Dirichlet conditions, *appear in* Discrete and Continuous Dynamical Systems-S., 2021, 14(10): 3785-3801.

44) *K. M. Saad , J. F. Gomez-Aguilar, Abdulrhman A. Almadiy,* A fractional numerical study on a chronic hepatitis C virus infection model with immune response, Chaos, Solitons and Fractals 139 (2020)110062

45) *H. M. Srivastava , K. M. Saad, J. F. Gomez-Aguilar, Abdulrhman A. Almadiy* , A Fractional numerical study on a chronic hepatitis C virus

infection model with immune response, Mathematical Biosciences and Engineering, 2020, 17(5): 4942-4969. doi: 10.3934/mbe.2020268.

46) *H. M. Srivastava, K. M. Saad*, On the New Modified Fractional Analysis of Time-fractional Drinfeld-Sokolov-Wilson System, Chaos: An Interdisciplinary Journal of Nonlinear Science, 30(11) , 10.1063/5.0009646.

47) *K. M. Saad , M. Alqhtani*, Numerical simulation of the fractal-fractional reaction diffusion equations with general nonlinear, AIMS Mathematics 6(4), 3788-3804, 2021

48) *K. M. Saad*, Comparative Study on Fractional Isothermal Chemical Model, submitted.

49) S. Aljhania, M. S. Noorania, K. M. Saad, A. Alomari, Numerical Solutions of Certain New Models of the Time-Fractional Gray Scott, Journal of Function Spaces, vol. 2021, Article ID 2544688, 12 pages, 2021. https://doi.org/10.1155/2021/2544688

50) *K. M. Saad* , Modifications Fractional Gardner Equation, submitted.

51) A. A. Alderremy, K. M. Saad, J. F. Gómez-Aguilar, S. Aly, D. Kumar, J. Singh, New models of fractional blood ethanol and two-cell cubic autocatalator reaction equations, https://doi.org/10.1002/mma.7188, 2021

52) Alqhtani, M.; Saad, K.M. Using Probabilistic Approach to Evaluate the Total Population Density on Coarse Grids. *Entropy* **2020**, *22*, 658.

53) *H. M. Srivastava , K. M. Saad,* A Comparative Study of the Fractional-Order Clock Chemical Model, Mathematics 2020, 8, 1436; doi:10.3390/math8091436

54) H. M. Srivastava K. M. Saad, M. M. Khader, An efficient spectral collocation method for the dynamic simulation of the fractional epidemiological model of the Ebola virus, Chaos, Solitons & Fractals 140, 110174

55) H. M. Srivastava K. M. Saad, Numerical Simulation of the Fractal-Fractional Ebola Virus, Fractal Fract 4 (4), 2020, 49

56) K. M. Saad, Fractal-fractional Brusselator chemical reaction, Chaos, Solitons & Fractals, 150, 2021, 111087,2021

57) Hari M. Srivastava, Abedel-Karrem N. Alomari, Khaled M. Saad, Waleed M. Hamanah, Some Dynamical Models Involving Fractional-Order Derivatives with the Mittag-Leffler Type Kernels and Their Applications Based upon the Legendre Spectral Collocation Method, Fractal and Fractional, 5, 2021, 131.

58) K. M. Saad, A different Approach for the Fractional Chemical Model, appear in Revista Mexicana de Física, 2021.

59) A. A. Alderremy, H. I. Abdel-Gawad, Khaled M. Saad, Shaban Aly , New Exact Solutions of Time Conformable Fractional Klein Kramer Equation, Appear in Optical and Quantum Electronics.

60) A. A. Alderremy, J. F. Gómez-Aguilar, S. Aly, K. M. Saad, A fuzzy fractional model of coronavirus (COVID-19) and its study with Legendre spectral method, Results in Physics, 103773, 2021.

61) A. A. Alderremy, M. J. S. Belaghi , K. M. Saad , T. Allahviranloo , A. Ahmadian, S. Aly, S. Salahshour, Analytical solutions of q-fractional differential equations with proportional derivative, AIMS Mathematics (2021), 6(6): 5737-5749. doi: 10.3934/math.2021338

Published Chapter in Book

1- Saad K.M., Gómez-Aguilar J.F., Atangana A., Escobar-Jiménez R.F. (2019) Model of Coupled System of Fractional Reaction-Diffusion Within a New Fractional Derivative Without Singular Kernel. In: Gómez J., Torres L., Escobar R. (eds) Fractional Derivatives with Mittag-Leffler Kernel. Studies in Systems, Decision and Control, vol 194. Springer, Cham. https://doi.org/10.1007/978-3-030-11662-0_17

2- H. M. Srivastava, Khaled M. Saad, M. M. Khader, Harendra Singh, Spectral Collocation Method Based Upon Special Functions for Fractional Partial Differential Equations, Appear as Chapter 4 at Taylor and Francis.

Translation

Partial Differential Equations and Mathematica, Prem K. Kythe, Michael R. Schäferkotter, Pratap Puri, CRC Press.

Masters Graduates

1- *Asma AL-Shomrani,* An Approximate Analytical Solution Of Fractional Differential Equations, 1437-2015, Najran University. (Tow papers published)

2- *Eman Al-Sharif* , Approximate Semi-Analytical Solutions of Partial Fractional Differential Equations, 1439-2017, Najran University. (Five papers published)./

Assessment Master Theses and Promotion

1- *Tshanduko Mutandanyi* , Modelling subsurface water flow in the unsaturated zone, University of first state , 2019.

2- *Rola Salam,* Zayed University, 2020.

A reviewer of international journals

- Journal of Mathematics and Computer Science (JMCS)
- Numerical Methods for Partial differential Equations
- The Second International Conference On Computational Mathematics and Engineering Sciences (CMES2017), May 20-22, 2017 Istanbul, Turkey.
- (IPEC) Ghaziabad in Utter Pradesh, India, is going to organize a 2nd International conference on "Modern Mathematical Methods and High Performance Computing in Science & Technology (M3HPCST-2018)" on January 04-06,2018.
- Tbilisi Mathematical Journal.
- Italian Journal of Pure and Applied Mathematics.
- Discrete and Continuous Dynamical Systems Series S.
- Mathematical Methods in the Applied Sciences.
- J Integr Neurosci.
- International Journal of Biomathematics
- Journal of Nonlinear Sciences and Applications.
- Discrete and Continuous Dynamical Systems Series S.
- Applications and Applied Mathematics: An International Journal (AAM)
- Journal of Computational and Applied Mathematics.

- Advances in Mechanical Engineering
- Advanced in differential Equations
- Journal of Advanced Physics
- Mathematical Modelling of Natural Phenomena
- Optimal Control, Applications and Methods
- Chaos: An Interdisciplinary Journal of Nonlinear Science
- Journal Chaos, Solitons and Fractals
- Physica A
- Indian Journal of Physics
- Modern Physics Letters B
- Mathematics
- Nigerian Mathematical Society
- Journal of Ocean Engineering and Science
- Math Rev
- International Journal of Simulation and Process Modelling
- Computational and Applied Mathematics
- Albaha University Journal of Basic and Applied Sciences (BUJBAS)
- Applications and Applied Mathematics An International Journal
- journal Science & Technology Asia
- Engineering Computations
- Journal of Applied Analysis and Computation
- Differential Equations and Dynamical Systems
- Journal of the Egyptian Mathematical Society
- Computation

- Physica Scripta
- Journal of Scientific Research
- Journal of Applied and Computational Mechanics
- Fractals
- Asian-European Journal of Mathematics
- Numerical Methods for Partial Differential Equations
- International Journal of Nonlinear Sciences and Numerical Simulation
- Mathematics in Engineering, Science and Aerospace.
- Engineering with Computers
- Ecological Complexity
- Open Physics
- Applied Mathematics & Information Sciences
- Optical and Quantum Electronics
- Journal of Advances in Mathematics and Computer Science
- Applied Mathematics-A Journal of Chinese Universities
- Computer Modeling in Engineering and Sciences
- Results in Nonlinear Analysis
- Revista Mexicana de Física
- Journal of Function Spaces
- International Journal of Circuit Theory and Applications
- Journal of Mathematics
- Journal of Physics Communications
- Mathematical Biosciences and Engineering
- Heat Transfer
- Applied Sciences
- Applied Mathematics and Information Sciences
- Scientific Reports

Assessment Books

- Reviewing on a book proposal entitled *"General Fractional Derivatives with Applications in Viscoelasticity", Xiao-Jun Yang, Feng Gao, & Yang Ju with* **ELSEVIER.**
- Reviewing on a book proposal entitled "Partial Differential Equations For Mathematical Physicists", BijanBagchi with **Taylor and Francis** Books India Pvt Ltd
- Reviewing on a book proposal entitled "Advances in Special functions and analysis of Differential Equation's", PRAVEEN AGARWAL , RAVI P AGARWAL , **MICHAEL RUZHANSKY.**
- Reviewing on a book entitled "Fractional Differential Equation Lie Symmetry Analysis, Conservation Laws and Invariant Subspace Method" , *Mir Sajjad Hashemi and Dumitru Baleanu*, with **Taylor and Francis Books India Pvt Ltd.**
- Fractional dynamics of HIV-AIDS and cryptosporidiosis with lognormal distribution, *M.A. Khana, Abdon Atangana.*
- ***chapter for publication*** in forthcoming book published by Taylor & Francis Publisher, entitled " ***Advanced Numerical Methods for Differential Equations: Applications in Science and Engineering***" , Title: Complex wave patterns of the KP-BBM and Generalized KP-BBM equations
- Reviewing on a book proposal entitled **"Methods of Mathematical Modelling: Infectious Diseases " ,** Harendra Singh, H. M. Srivastava, Dumitru Baleanu, *with* **ELSEVIER.**

Reference:

- Prof. *Hamdy Ibrahim Abdel-Gawad*
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- *Prof. Noel Smyth, School of Mathematics, University of Edinburgh, United of Kingdom, E-Emile:* n.smyth@ed.ac.uk
- *Prof. Hari Mohan Srivastava, Department of Mathematics and Statistics, University of Victoria, Victoria, British Columbia V8W 3R4, Canada,*
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