السيرة الذاتية

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الوظيفة الحالية	مدرس الرياضيات البحته بقسم الرياضيات
الندوات والدورات	1- حضور ندوة بعنوان " الطرق الحسابيه للانظمه الخطيه وغير الخطية (6) 31 مايو 2014 بكليتى العلوم و الهندسة- جامعة القاهرة 2- حضورمؤتمر(الانظمه الديناميكيه غير الخطيه) -2014/12/1 - قسم الرياضيات بكليه العلوم- جامعة المنصوره. 3-حضور المؤتمر الدولى الرابع فى الرياضيات وعلوم المعلومات فى جامعة العلوم والتكنولوجيا فى مدينة زويل 4-تم اجتياز عدد(5) دورات تدريبية بمركز تنمية قدرات اعضاء هيئة التدريس والقيادات بجامعة الزقازيق(النشر العلمى الدولى- نظام الساعات المعتمدة- مهارات العرض الفعال- تنظيم المؤتمرات العلمية- مهارات الاتصال فى انماط التعليم المختلفة)
محكم فى عدد من المجلات العلمية	• Cogent Mathematics Journal • Journal of Advances in Mathematics • Asian Journal of Mathematics • British Journal of Mathematics & Computer Science • Optical and quantum electric

1-M. M. Sehata, Approximate Analytical Solution to a Time-Fractional Fisher's and Navier-Stokes Equations, Sylwan Journal.Vol. 159, (issue.1), (ISSN: 0039-7660), (Jan 2015).	**النشاط العلمى**
2- M. M. Sehata, Numerical Solution of the Coupled kdv Equations by using Differential Transform Method, Sylwan Journal. Vol. 159, (issue.3), (ISSN: 0039-7660) (Mar 2015).	
3- M. Sehata, A Study of Some Nonlinear Partial Differential Equations by Using Adomian Decomposition Method and Variational Iteration Method, American Journal of Computational Mathematics. Vol. 5. No. 2, 26 June. 2015.	
4-Maha S. M. Sehata, Extended Jacobian Elliptic Function Expansion Method and its Applications for Solving some Nonlinear Evolution Equations in Mathematical Physics, International journal of computer applications, Vol. 109 - No. 12, (0975-8887) January 2015.	
5-Maha S. M. Shehata, The exp $(-\varphi(\xi))$ method and its applications for solving some nonlinear evolution equations in mathematical physics, American Journal of Computational Mathematics. Vol. 5 - No. 4, December 2015.	
6-M. M. Khader, A. M. S. Mahdy and M. M. Shehata, Amodification of the power series method applied to systems of linear ordinary differential equations, Joukll Journal.Vol. 64, (issue.5), (ISSN: 0449-0576). May 2014.	
7-M. M. Sehata, Adomian Decomposition Method for Solving Coupled kdv Equations, Journal of Advances in mathematics. Vol.10 No.5, (ISSN 2347-1921), 1 May 2015.	
8-M. M. Khader, A. M. S. Mahdy and M. M. Shehata, An Integral Collocation Approach Based On Legendre Polynomials for Solving Riccati, Logistic and Delay Differential Equations, Applied Mathematics. Vol. 5, August 2014, Pages 2360-2369.	
9-M. M. Khader, A. M. S. Mahdy and M. M. Shehata, Approximate analytical solution to the time-fractional Biological population model equation, Joukll Journal.Vol. 64, (issue.5), (ISSN: 0449-0576). May 2014.	
10-Ismail, I. A. and Shehata, M. M., "A formulation of Peaceman and Rachford ADI method for the three-dimensional heat diffusion equation", J. Math.and Comput. Appl., Turkey, 2, p. 183-189, (2004).	
11-Ismail, I. A. and Shehata, M. M., "Alternating direction implicit (ADI) method for the two-dimensional heat diffusion equation", Int. J. Diff. Eq. & Appl. (2004).	
12-Maha S. M. Shehata, Exact Traveling Wave Solutions for Nonlinear Dynamics of Microtubles-A New Model and the Kundu-Eckhaus Equation Using Extended tanh Function Method, J. Comput. Theor. Nanosci. 13, 534–538, 2016.	
13-M. M. Sehata, A new solitary wave solution of the perturbed nonlinear Schrodinger equation using a Riccati-Bernoulli Sub-ODE method, International Journal of Physical Science.Vol. 11(6), pp. 80-	

84, 30 March, 2016.	
14-Mostafa M.A. Khater ,Emad H.M. Zahran , Maha S.M. Shehata,Solitary wave solution of the generalized Hirota–Satsuma coupled KdV system, Journal of the Egyptian Mathematical Society.Volume 25, Issue 1, January 2017, 8–12.	
15-Emad H.M. Zahran, Maha Shehata. The new solitary solutions of the foam drainage & (2+1) dimensional breaking soliton equations, International Journal of Basic and Applied Sciences,7(3)(2018) 39-44.	
16-Emad H. M .Zahran, Hadi Rezazade and Maha S. M .Shehata. New Solitary Wave Solutions to the Three Coupled Nonlinear Maccari's-System with a Complex Structure. Appl. Math. Inf. Sci. 13, No. S1, 399-409 (2019).	
17-Maha S. M. Shehata, Hadi Rezazadeh,Emad H. M. Zahran,Eric Tala-Tebue,and Ahmet Bekir. New Optical Soliton Solutions of the Perturbed Fokas-Lenells Equation. Commun. Theor. Phys. 71 (2019) 1275–1280.	
18-AHMET BEKIR, EMAD H.M. ZAHRAN, MAHA S.M. SHEHATA. THE AGREEMENT BETWEEN THE NEW EXACT AND NUMERICAL SOLUTIONSOF THE 3D-FRACTIONAL WAZWAZ-BENJAMIN-BONA-MAHONY EQUATIO. Journal of Science and Arts Year 20, No. 2(51), pp. 251-262, 2020.	
19-Maha S. M. Shehata, Hadi Rezazadeh, Emad H.M.Zahran, Ahmet Bekir . Propagation of the ultra-short femtosecond pulses and the rogue wave in an optical fiber. J Opt.2020.	
20- Ahmet Bekir , Maha S. M. Shehata , Emad H.M.Zahran Comparison between the new exact and numerical solutions of the Mikhailov–Novikov–Wang equation. Numerical Methods for Partial Differential Equations. 2021;1–16. Volume40, Issue2March 2024	
21- Ahmet Bekir , Maha S. M. Shehata , Emad H.M.Zahran .New perception of the exact solutions of the 3D-fractional Wazwaz-Benjamin-Bona-Mahony (3D-FWBBM) equation. Journal of Interdisciplinary Mathematics 24(4):1-14.(2021)	
22- MAHA S.M. SHEHATA, HADI REZAZADEH, EMAD H.M. ZAHRAN, MOSTAFA ESLAMI, AHMET BEKIR. DISPERSIVE SOLITARY WAVE SOLUTIONS OF COUPLING BOITI-LEON-PEMPINELLI SYSTEM USING TWO DIFFERENT METHODS. Journal of Science and Arts Year 21, No. 1(54), pp. 91-104,(2021).	
23- Emad H. M. Zahran, Maha S. M. Shehata, S. M. Mirhosseini-Alizamini ،Md Nur Alam and Lanre Akinyemi. Exact propagation of the isolated wave's model described by the three coupled nonlinear Maccari's system with complex structure. International Journal of Modern Physics B Vol. 35, No. 18, 2150193 (2021).	
24- M. S. M. Shehata, H. Rezazadehb, A. J. M. Jawadc, E. H. M. Zahrand, and A. Bekir . Optical solitons to a perturbed Gerdjikov-Ivanov equation using two different techniques. Revista Mexicana de F´ısica67050704 1–15.(2021)	
25- Emad H. Zahran , Seyed M. Mirhosseini‐Alizamini, Maha S. M. Shehata ,Hadi Rezazadeh, Hijaz Ahmad. Study on abundant explicit	

wave solutions of the thin-film Ferro-electric materials equation. Optical and Quantum Electronics (2022) 54:48.	
26- Emad H.M. Zahran , Hijaz Ahmad , Sameh Askar , Thongchai Botmart , Maha S.M. Shehat .Dark-soliton behaviors arising from a coupled nonlinear Schr¨odinger system. Results in Physics 36 (2022) 105459.	
27- Emad H.M. Zahran , Ahmet Bekir , Maha S.M. Shehat .Abundant analytical optical soliton solutions to the integrable (3+1)-Boussinesq equations. Journal of Ocean Engineering and Science. April 16, 2022;1:5.	
28- Emad H.M. Zahran, Ahmet Bekir, Maha S.M. Shehata .New impressive ideal optical soliton solutions to the space and time invariant nonlinear Schr ¨odinger equation. Journal of Ocean Engineering and Science. Accepted date: 2 May 2022.	
29- A.Bekir, M. S.M. Shehata, E.H.M. Zahran. Comparison Between the Exact Solutions of Three Distinct Shallow Water Equations Using the Painlev´e Approach and Its Numerical Solutions. Russian Journal of Nonlinear Dynamics, 2020, vol. 16, no. 3, pp. 463–477.	
30- Ahmet Bekir1, Maha S. M. Shehata, and Emad H. M. Zahran. New optical soliton solutions for the thin-lm ferroelectric materials equation instead of the numerical solution. Computational Methods for Differential Equations. Vol. 10, No. 1, 2022, pp. 158-167.	
31- Maha S. M. Shehata, Hijaz Ahmad, Emad H. M. Zahran, Sameh Askar, and Dilber Uzun Ozsahin. Isomorphic shut form valuation for quantum field theory and biological population models. Open Physics 2023; 21: 20220252.	
32- Emad H. M. Zahran[1] · R. A. Ibrahim[1] · Dilber Uzun Ozsahin[2,3,4] · Hijaz Ahmad[4,5,6] Maha S. M. Shehata[7]. New diverse exact optical solutions of the three dimensional Zakharov–Kuznetsov equation. Optical and Quantum Electronics (2023) 55:817.	
33- Maha S. M. Shehata, Ahmet Bekir∗. **New perceptions for the bright and dark solitonsolutionsto the modified nonlinear Schr¨odinger equation.** International Journal of Modern Physics B Vol. 37, No. 21 (2023) 2350204 (16 pages).	