



PROF. HACI MEHMET BAŞKONUŞ

Kişisel Bilgiler

Eposta: hmbaskonus@harran.edu.tr

Birim: Matematik Eğitimi

Dahili: 1940

Makaleler (YOKSIS)

- 1 Soliton solutions of the (2+1)-dimensional Heisenberg ferromagnetic spin chain model with the beta time derivative**
Hosseini K., Kaur, L., Mirzazadeh M., BAŞKONUŞ HACI MEHMET
Optical and Quantum Electronics, <http://dx.doi.org/10.1007/s11082-021-02739-9>
- 2 A New Investigation on Fractional-Ordered Neutral Differential Systems with State-Dependent Delay**
Valliammal N., Ravichandran C., Hammouch Zakia, BAŞKONUŞ HACI MEHMET
International Journal of Nonlinear Sciences and Numerical Simulation, <http://dx.doi.org/10.1515/ijnsns-2018-0362>
- 3 A new numerical investigation of fractional order susceptible-infected-recovered epidemic model of childhood disease**
Veerasha P, İlhan Esin, Prakasha D G, BAŞKONUŞ HACI MEHMET, Gao Wei
Elsevier BV, <http://dx.doi.org/10.1016/j.aej.2021.07.015>
- 4 A new study of unreported cases of 2019-nCOV epidemic outbreaks**
Gao Wei, Veerasha P, BAŞKONUŞ HACI MEHMET, Prakasha D G, Kumar Pushpendra
Chaos, Solitons & Fractals,
- 5 A novel study of Morlet neural networks to solve the nonlinear HIV infection system of latently infected cells**
Umar Muhammad, Sabir Zulqurnain, Raja Muhammad Asif Zahoor, BAŞKONUŞ HACI MEHMET, Yao Shao-Wen, İlhan Esin
Results in Physics, <http://dx.doi.org/10.1016/j.rinp.2021.104235>
- 6 A numerical study of the ferromagnetic flow of Carreau nanofluid over a wedge, plate and stagnation point with a magnetic dipole**
Basha H. Thameem, Sivaraj R., Reddy A. Subramanyam, Chamkha Ali J., BAŞKONUŞ HACI MEHMET
AIMS Mathematics, <http://dx.doi.org/10.3934/math.2020268>
- 7 A powerful approach for fractional Drinfeld Sokolov Wilson equation with Mittag-Leffler law**

- 7** Gao Wei, Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET, YEL GÜLNUR
Alexandria Engineering Journal,<http://dx.doi.org/10.1016/j.aej.2019.11.002>
- 8 A POWERFUL ITERATIVE APPROACH FOR QUINTIC COMPLEX GINZBURG-LANDAU EQUATION WITHIN THE FRAME OF FRACTIONAL OPERATOR**
Shao-Wen Yao, İLHAN ESİN, Veerasha P, BAŞKONUŞ HACI MEHMET
FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY,
- 9 A reliable hybrid numerical method for a time dependent vibration model of arbitrary order**
Prakash Amit, Goyal Manish, BAŞKONUŞ HACI MEHMET
AIMS Mathematics,<http://dx.doi.org/10.3934/math.2020068>
- 10 A study on Caudrey–Dodd–Gibbon–Sawada–Kotera partial differential equation**
BAŞKONUŞ HACI MEHMET, Ahmad Mahmud Adnan, Abdulrahman Muhamad Kalsum, TANRIVERDİ TANFER
Wiley,<http://dx.doi.org/10.1002/mma.8259>
- 11 A variety of soliton solutions of the extended Gerdjikov–Ivanov equation in the DWDM system**
Raza Nauman, Batool Amna, BAŞKONUŞ HACI MEHMET, Causanilles Fernando S. Vidal
International Journal of Modern Physics B,<https://doi.org/10.1142/s0217979224500759>
- 12 Abundant novel solutions of the conformable Lakshmanan-Porsezian-Daniel model**
Ismael Hajar F., BAŞKONUŞ HACI MEHMET, BULUT HASAN
Discrete and Continuous Dynamical Systems - S,<http://dx.doi.org/10.3934/dcdss.2020398>
- 13 Active Control of a Chaotic Fractional Order Economic System**
BAŞKONUŞ HACI MEHMET, Mekkau Toufik, Zakia Hammouch, BULUT HASAN
Entropy,
- 14 Almost sectorial operators on Ψ Hilfer derivative fractional impulsive integro differential equations**
Karthikeyan K., Karthikeyan P., BAŞKONUŞ HACI MEHMET, Venkatachalam K., Chu Yu-Ming
Mathematical Methods in the Applied Sciences,<http://dx.doi.org/10.1002/mma.7954>
- 15 An Effective Computational Approach for Solving Local Fractional Telegraph Equations**
Kumar Devendra, Singh Jagdev, BAŞKONUŞ HACI MEHMET, BULUT HASAN
Nonlinear Science Letters A: Mathematics, Physics and Mechanics,
- 16 An Effective Scheme for Solving Some Nonlinear Partial Differential Equation Arising In Nonlinear Physics**
BAŞKONUŞ HACI MEHMET, BULUT HASAN
Open Physics,
- 17 An efficient analytical approach for fractional Lakshmanan\u2010Porsezian\u2010Daniel model**
Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET, YEL GÜLNUR
Mathematical Methods in the Applied Sciences,<http://dx.doi.org/10.1002/mma.6179>
- 18 An efficient computational approach for fractional-order model describing the water transport in unsaturated porous media**

- 18** Wang Yaya, GAO WEI, BAŞKONUŞ HACI MEHMET
World Scientific Pub Co Pte Ltd,<http://dx.doi.org/10.1142/s0217984923500598>
- 19** **An Efficient Stochastic Numerical Computing Framework for the Nonlinear Higher Order Singular Models**
Sabir Zulqurnain, Wahab Hafiz Abdul, Javeed Shumaila, BAŞKONUŞ HACI MEHMET
Fractal and Fractional,<http://dx.doi.org/10.3390/fractfrac5040176>
- 20** **An efficient technique for a fractional-order system of equations describing the unsteady flow of a polytropic gas**
Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET
Pramana,<http://dx.doi.org/10.1007/s12043-019-1829-9>
- 21** **An efficient technique for a time fractional model of lassa hemorrhagic fever spreading in pregnant women**
Goyal Manish, BAŞKONUŞ HACI MEHMET, Prakash Amit
The European Physical Journal Plus,<http://dx.doi.org/10.1140/epjp/i2019-12854-0>
- 22** **An efficient technique to analyze the fractional model of vector-borne diseases**
Veerasha P, Malagi Naveen S., Prakasha D G, BAŞKONUŞ HACI MEHMET
IOP Publishing,<http://dx.doi.org/10.1088/1402-4896/ac607b>
- 23** **An investigation of Fokas system using two new modifications for the trigonometric and hyperbolic trigonometric function methods**
Mahmud Adnan Ahmad,Muhamad Kalsum Abdulrahman,TANRIVERDİ TANFER,BAŞKONUŞ HACI MEHMET
Optical and Quantum Electronics,<https://doi.org/10.1007/s11082-024-06388-6>
- 24** **Analysis of nonlinear compartmental model using a reliable method**
Guirao Juan Luis Garcia, Alsulami Mansoor, BAŞKONUŞ HACI MEHMET, İLHAN ESİN, Veerasha P
Elsevier BV,<http://dx.doi.org/10.1016/j.matcom.2023.07.001>
- 25** **Analysis of the Dynamics of Hepatitis E Virus Using the Atangana-Baleanu Fractional Derivative**
Veerasha P,Prakasha D G,BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,
- 26** **Analytic study for a fractional model of HIV infection of CD4TCD4T lymphocyte cells**
BULUT HASAN,Kumar Devendra,Singh Jagdev,Swroop Ram,BAŞKONUŞ HACI MEHMET
Mathematics in Natural Science,
- 27** **Analytical and Approximate Solutions of a Novel Nervous Stomach Mathematical Model**
Sánchez Yolanda Guerrero, Sabir Zulqurnain, GÜNERHAN HATIRA, BAŞKONUŞ HACI MEHMET
Discrete Dynamics in Nature and Society,<http://dx.doi.org/10.1155/2020/5063271>
- 28** **Analytical and approximate solutions of an epidemic system of HIV/AIDS transmission**
Gao Wei, GÜNERHAN HATIRA, BAŞKONUŞ HACI MEHMET
Alexandria Engineering Journal,<http://dx.doi.org/10.1016/j.aej.2020.07.043>

- 29 Analytical and numerical study of the HIV-1 infection of CD4+T-cells conformable fractional mathematical model that causes acquired immunodeficiency syndrome (AIDS) with the effect of antiviral drug therapy**
Ali Khalid K., Osman M.S., BAŞKONUŞ HACI MEHMET, Elazab Nasser S., İLHAN ESİN
Mathematical Methods in the Applied Sciences, <http://dx.doi.org/10.1002/mma.7022>
- 30 Analytical Solutions for Nonlinear Long Short Wave interaction Systems with Highly Complex Structure**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Belgacem Fethi Bin Muhammad
Journal of Computational and Applied Mathematics,
- 31 Analytical Studies on the 1 1 dimensional Nonlinear Dispersive Modified Benjamin Bona Mahony Equation Defined by Seismic Sea Waves**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
Waves in Random and Complex Media,
- 32 Applications of He'xxs semi-inverse variational method and ITEM to the nonlinear long-short wave interaction system**
Tekiyeh Ramin Mehdizad,Manafian Jalil,DÜŞÜNCELİ FARUK,BAŞKONUŞ HACI MEHMET
International Journal of ADVANCED AND APPLIED SCIENCES, <http://www.science-gate.com/IJAAS/2019/V6I8/1021833ijaas201908008.html>
- 33 Breather, multi-shock waves and localized excitation structure solutions to the Extended BKP-Boussinesq equation**
Roshid Harun-Or, Noor N.F.M., Khatun Mst.Shekha, BAŞKONUŞ HACI MEHMET, Belgacem Fethi Bin Muhammad
Communications in Nonlinear Science and Numerical Simulation, <http://dx.doi.org/10.1016/j.cnsns.2021.105867>
- 34 Bright, dark optical and other solitons to the generalized higher-order NLSE in optical Fibers**
BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
OPTICAL AND QUANTUM ELECTRONICS,
- 35 Cancer treatment model with the Caputo-Fabrizio fractional derivative**
DOKUYUCU MUSTAFA ALİ, ÇELİK ERCAN, BULUT HASAN, BAŞKONUŞ HACI MEHMET
The European Physical Journal Plus,
- 36 Closed form soliton solutions to the space-time fractional foam drainage equation and coupled mKdV evolution equations**
İLHAN ONUR ALP, BENLİ FATMA BERNA, M. N. Islam, Akbar M. Ali, BAŞKONUŞ HACI MEHMET
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION,
- 37 Complex Acoustic Gravity Wave Behaviors to a Mathematical Model Arising in Nonlinear Mathematical Physics**
AKTÜRK TOLGA,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,BULUT HASAN
ITM Web of Conferences,
- 38 Complex Acoustic Gravity Wave Behaviors to Some Mathematical Models Arising in Fluid Dynamics and Nonlinear Dispersive Media**
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,AKTÜRK TOLGA
OPTICAL AND QUANTUM ELECTRONICS,

- 39 Complex and Real Optical Soliton Properties of the Paraxial Non-linear Schrödinger Equation in Kerr Media With M-Fractional**
Gao Wei, Ismael Hajar F., Mohammed Sizar A., BAŞKONUŞ HACI MEHMET, BULUT HASAN
Frontiers in Physics, <http://dx.doi.org/10.3389/fphy.2019.00197>
- 40 Complex mixed dark-bright wave patterns to the modified α and modified Vakhnenko-Parkes equations**
BAŞKONUŞ HACI MEHMET, Guirao J.L.Garcia, Kumar Ajay, I Causanilles Fernando S. Vida, Bermudez German Rodriguez
Alexandria Engineering Journal, <http://dx.doi.org/10.1016/j.aej.2020.01.032>
- 41 Complex Patterns to the (3+1)-Dimensional B-type Kadomtsev-Petviashvili-Boussinesq Equation**
Guirao Juan Luis García, BAŞKONUŞ HACI MEHMET, kumar Ajay, Rawat M.S., YEL GÜLNUR
Symmetry, <http://dx.doi.org/10.3390/sym12010017>
- 42 Complex solitons in the conformable (2+1)-dimensional Ablowitz-Kaup-Newell-Segur equation**
Gao Wei, YEL GÜLNUR, BAŞKONUŞ HACI MEHMET, Cattani Carlo
AIMS Mathematics, <http://dx.doi.org/10.3934/math.2020034>
- 43 Complex Surfaces to the Fractional (21)-dimensional Boussinesq Dynamical Model with Local M-derivative**
BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,
- 44 Construction of various soliton solutions via the simplified extended sinh-Gordon equation expansion method**
Sulaiman Tukru A, BULUT HASAN, BAŞKONUŞ HACI MEHMET
ITM Web of Conferences,
- 45 Continuous ultrasonic thickness measurement technology**
Pronin Vitaliy, Shkatov Petr, Sandulyak Anna, BAŞKONUŞ HACI MEHMET
ITM Web of Conf.,
- 46 Contour Surfaces in the (21)-dimensional Sine-Poisson Model**
BAŞKONUŞ HACI MEHMET, BULUT HASAN, Ateş Sibel
International Journal of Innovative Engineering Applications,
- 47 Dark and New Travelling Wave Solutions to the Nonlinear Evolution Equation**
BAŞKONUŞ HACI MEHMET, ALTAN KOÇ DİLARA, BULUT HASAN
Optik- International Journal for Light and Electron Optics,
- 48 Dark optical solitons to the Biswas- Arshed equation with high order dispersions and absence of the self-phase modulation**
Hosseini Kamyar, Mirzazadeh Mohammad, Rabiei Franak, BAŞKONUŞ HACI MEHMET, YEL GÜLNUR
Optik, <http://dx.doi.org/10.1016/j.ijleo.2020.164576>
- 49 Dark, bright and other optical solitons to the decoupled nonlinear Schrödinger equation arising in dual-core optical fibers**
BAŞKONUŞ HACI MEHMET, Sulaiman Tukru A, BULUT HASAN
OPTICAL AND QUANTUM ELECTRONICS,

- 49
50 **Dark, bright and other soliton solutions to the Heisenberg ferromagnetic spin chain equation**
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
SUPERLATTICES AND MICROSTRUCTURES,
- 51 **Dark, bright optical and other solitons with conformable space-time fractional second-order spatiotemporal dispersion,**
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
OPTIK,
- 52 **Deeper investigation of modified epidemiological computer virus model containing the Caputo operator**
Gao Wei, BAŞKONUŞ HACI MEHMET
Elsevier BV,<http://dx.doi.org/10.1016/j.chaos.2022.112050>
- 53 **Deeper investigations of the (4+1)-dimensional Fokas and (2+1)-dimensional Breaking soliton equations**
BAŞKONUŞ HACI MEHMET, Kumar Ajay, Kumar Ashok, Gao Wei
International Journal of Modern Physics B,<http://dx.doi.org/10.1142/s0217979220501520>
- 54 **Deeper properties of the nonlinear Phi-four and Gross-Pitaevskii equations arising mathematical physics**
Yan Li, Kumar Ajay, Guirao Juan Luis García, BAŞKONUŞ HACI MEHMET, Gao Wei
Modern Physics Letters B,<http://dx.doi.org/10.1142/s0217984921505679>
- 55 **Designing of Morlet wavelet as a neural network for a novel prevention category in the HIV system**
Sabir Zulqurnain, Umar Muhammad, Raja Muhammad Asif Zahoor, BAŞKONUŞ HACI MEHMET, Gao Wei
International Journal of Biomathematics,<http://dx.doi.org/10.1142/s1793524522500127>
- 56 **Dynamic of solitary wave solutions in some nonlinear pseudoparabolic models and Dodd-Bullough-Mikhailov equation**
İLHAN ONUR ALP,BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
INDIAN JOURNAL OF PHYSICS,
- 57 **Dynamical analysis fractional-order financial system using efficient numerical methods**
Gao Wei, Veerasha P, BAŞKONUŞ HACI MEHMET
Informa UK Limited,<http://dx.doi.org/10.1080/27690911.2022.2155152>
- 58 **Dynamical behaviors to the coupled Schrödinger-Boussinesq system with the beta derivative**
Ismael Hajar F., BULUT HASAN, BAŞKONUŞ HACI MEHMET, Gao Wei
AIMS Mathematics,<http://dx.doi.org/10.3934/math.2021459>
- 59 **Evaluation of heat and mass transfer in ferromagnetic fluid flow over a stretching sheet with combined effects of thermophoretic particle deposition and magnetic dipole**
Gowda R.J.Punith, BAŞKONUŞ HACI MEHMET, Kumar R.Naveen, Prakasha D G, Prasannakumara B.C.
Waves in Random and Complex Media,<http://dx.doi.org/10.1080/17455030.2021.1969063>
- 60 **Existence results of Hilfer integro-differential equations with fractional order**

- 60** Subashini R,Chandram Ravi,Jothimani Ka,BAŞKONUŞ HACI MEHMET
Discrete and Continuous Dynamical Systems-Series S,
- 61** **Explicit solution of fractional order atmosphere-soil-land plant carbon cycle system**
TANRIVERDİ TANFER, BAŞKONUŞ HACI MEHMET, Ahmad Mahmud Adnan, Abdulrahman Muhamad Kalsum
Ecological Complexity,<http://dx.doi.org/10.1016/j.ecocom.2021.100966>
- 62** **Exponential Prototype Structures for 2 1 Dimensional Boiti Leon Pempinelli Systems in Mathematical Physics**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
Waves in Random and Complex Media,
- 63** **Exponential prototype structures for (2+1)-dimensional Boiti-Leon-Pempinelli systems in mathematical physics**
BAŞKONUŞ HACI MEHMET, BULUT HASAN
Waves in Random and Complex Media,
- 64** **Extraction Complex Properties of the Nonlinear Modified Alpha Equation**
BAŞKONUŞ HACI MEHMET, Ercan Muzaffer
Fractal and Fractional,<http://dx.doi.org/10.3390/fractfract5010006>
- 65** **Extraction of the gravitational potential and high-frequency wave perturbation properties of nonlinear (3+1)-dimensional Vakhnenko–Parkes equation via novel approach**
Yan Li,BAŞKONUŞ HACI MEHMET,Cattani Carlo,GAO Wei
Mathematical Methods in the Applied Sciences,<https://doi.org/10.1002/mma.8726>
- 66** **Extractions of some new travelling wave solutions to the conformable Date-Jimbo-Kashiwara-Miwa equation**
Kumar Ajay, İlhan Esin, Ciancio Armando, YEL GÜLNUR, BAŞKONUŞ HACI MEHMET
AIMS Mathematics,<http://dx.doi.org/10.3934/math.2021251>
- 67** **Feasibility of data transmission under attack: From isolated toughness variant perspective,**
GAO WEI, Cattani Carlo, BAŞKONUŞ HACI MEHMET
Problems of Information Transmission,10.1134/S0032946023020060
- 68** **Fractional approach for a mathematical model of atmospheric dynamics of CO₂ gas with an efficient method**
İLHAN ESİN, Veerasha P., BAŞKONUŞ HACI MEHMET
Chaos Solitons and Fractals,<http://dx.doi.org/10.1016/j.chaos.2021.111347>
- 69** **Fractional approach for analysis of the model describing wind-influenced projectile motion**
Veerasha P, İLHAN ESİN, BAŞKONUŞ HACI MEHMET
Physica Scripta,<http://dx.doi.org/10.1088/1402-4896/abf868>
- 70** **Fractional Order Modeling the Gemini Virus in Capsicum annuum with Optimal Control**
Nisar K.S., Logeswari K., Vijayaraj V., BAŞKONUŞ HACI MEHMET, Ravichandran C.
MDPI AG,<http://dx.doi.org/10.3390/fractfract6020061>

- 71 Instability modulation for the (2+1)-dimension paraxial wave equation and its new optical soliton solutions in Kerr media**
Gao Wei, Ismael Hajar F., BULUT HASAN, BAŞKONUŞ HACI MEHMET
Physica Scripta, <http://dx.doi.org/10.1088/1402-4896/ab4a50>
- 72 Instability modulation properties of the (2 + 1)-dimensional Kundu-Mukherjee-Naskar model in travelling wave solutions**
BAŞKONUŞ HACI MEHMET, Guirao Juan Luis García, Kumar Ajay, Causanilles Fernando S. Vidal, Bermudez German Rodriguez
Modern Physics Letters B, <http://dx.doi.org/10.1142/s0217984921502171>
- 73 Interaction characteristics of the Riemann wave propagation in the (2+1)-dimensional generalized breaking soliton system**
Muhamad Kalsum Abdulrahman, TANRIVERDİ TANFER, Mahmud Adnan Ahmad, BAŞKONUŞ HACI MEHMET
Informa UK Limited, <http://dx.doi.org/10.1080/00207160.2023.2186775>
- 74 Investigating lump and its interaction for the third-order evolution equation arising propagation of long waves over shallow water**
Manafian Jalili, Mohammed Sizar Abid, Alizadeh Asad, BAŞKONUŞ HACI MEHMET, Gao Wei
European Journal of Mechanics - B/Fluids, <http://dx.doi.org/10.1016/j.euromechflu.2020.04.013>
- 75 Investigation of shallow water waves and solitary waves to the conformable 3D-WBBM model by an analytical method**
Bilal Muhammad, Rehman Shafqat-ur-, Younas Usman, BAŞKONUŞ HACI MEHMET, Younis Muhammad
Physics Letters A, <http://dx.doi.org/10.1016/j.physleta.2021.127388>
- 76 Investigation of the fractional coupled viscous Burgers\u2019 equation involving Mittag-Leffler kernel**
Sulaiman Tukru A, YAVUZ MEHMET, BULUT HASAN, BAŞKONUŞ HACI MEHMET
Physica A: Statistical Mechanics and its Applications, <http://dx.doi.org/10.1016/j.physa.2019.121126>
- 77 Investigation of various soliton solutions to the Heisenberg ferromagnetic spin chain equation**
Sulaiman Tukru A, AKTÜRK TOLGA, BULUT HASAN, BAŞKONUŞ HACI MEHMET
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS,
- 78 Investigation of various travelling wave solutions to the Extended (21)-dimensional Quantum ZK equation**
BAŞKONUŞ HACI MEHMET, BULUT HASAN, Sulaiman Tukru A
European Physical Journal Plus,
- 79 Investigations of dark, bright, combined dark-bright optical and other soliton solutions in the complex cubic nonlinear Schrödinger equation with delta-potential**
BAŞKONUŞ HACI MEHMET, Sulaiman Tukru A, BULUT HASAN, AKTÜRK TOLGA
SUPERLATTICES AND MICROSTRUCTURES,
- 80 Investigations of the complex wave patterns to the generalized Calogero-Bogoyavlenskii-Schiff equation**
Li Yong-Min, BAŞKONUŞ HACI MEHMET, Khudhur Asrin Maghdid
Soft Computing, <http://dx.doi.org/10.1007/s00500-021-05627-2>

- 81 ITERATIVE METHOD APPLIED TO THE FRACTIONAL NONLINEAR SYSTEMS ARISING IN THERMOELASTICITY WITH MITTAG-LEFFLER KERNEL**
Gao Wei,Veerasha P,D G PRAKASHA,SENEL BILGIN,BAŞKONUŞ HACI MEHMET
FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY,<https://www.worldscientific.com/doi/abs/10.1142/S0218348X2040040X>
- 82 Jacobi elliptic function solutions of the double dispersive equation in the Murnaghan's rod,**
Silambarasan Rathinavel,BAŞKONUŞ HACI MEHMET,BULUT HASAN
European Physical Journal Plus,
- 83 Longitudinal strain waves propagating in an infinitely long cylindrical rod composed of generally incompressible materials and its Jacobi elliptic function solutions**
Silambarasan Rathinavel, BAŞKONUŞ HACI MEHMET, Anand R.Vijay, Dinakaran M., Balusamy Balamurugan, Gao Wei
Mathematics and Computers in Simulation,<http://dx.doi.org/10.1016/j.matcom.2020.11.011>
- 84 Mathematical modeling to investigate the influence of vaccination and booster doses on the spread of Omicron**
Kavya K.N.,Veerasha P.,BAŞKONUŞ HACI MEHMET,Alsulami Mansoor
Communications in Nonlinear Science and Numerical Simulation,<https://doi.org/10.1016/j.cnsns.2023.107755>
- 85 Method of lines for multi-dimensional coupled viscous Burgers's equations via nodal Jacobi spectral collocation method**
Zogheib Bashar, Tohidi Emran, BAŞKONUŞ HACI MEHMET, Cattani Carlo
Physica Scripta,<http://dx.doi.org/10.1088/1402-4896/ac1d82>
- 86 Modeling and analysis of demand-supply dynamics with a collectability factor using delay differential equations in economic growth via the Caputo operator**
Chen Qiliang,Dalal Dipesh,Kumar Pankaj,BAŞKONUŞ HACI MEHMET
AIMS Mathematics,<https://doi.org/10.3934/math.2024362>
- 87 Modified Predictor–Corrector Method for the Numerical Solution of a Fractional-Order SIR Model with 2019-nCoV**
Gao Wei, Veerasha P, Cattani Carlo, Baishya Chandrali, BAŞKONUŞ HACI MEHMET
MDPI AG,<http://dx.doi.org/10.3390/fractfract6020092>
- 88 Modulation instability analysis and analytical solutions to the system of equations for the ion sound and Langmuir waves**
Ali Karmina K, Yilmazer R, BAŞKONUŞ HACI MEHMET, BULUT HASAN
Physica Scripta,<http://dx.doi.org/10.1088/1402-4896/ab81bf>
- 89 Modulation instability analysis and perturbed optical soliton and other solutions to the Gerdjikov-Ivanov equation in nonlinear optics**
BAŞKONUŞ HACI MEHMET, Younis Muhammad, Bilal Muhammad, Younas Usman, Rehman Shafqat-ur-, Gao Wei
Modern Physics Letters B,<http://dx.doi.org/10.1142/s0217984920504047>
- 90 New acoustic wave behaviors to the Davey Stewartson equation with power law nonlinearity arising in fluid dynamics**
BAŞKONUŞ HACI MEHMET
NONLINEAR DYNAMICS,

- 91 New approach for the model describing the deadly disease in pregnant women using Mittag-Leffler function**
Gao Wei, Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET, YEL GÜLNUR
Chaos Solitons and Fractals,<http://dx.doi.org/10.1016/j.chaos.2020.109696>
- 92 New classifications of nonlinear Schrödinger model with group velocity dispersion via new extended method**
BAŞKONUŞ HACI MEHMET, Gao Wei, Rezazadeh Hadi, Alizamini S.M.Mirhosseini-, Baili Jamel, Ahmad Hijaz, Nguyen Gia Tuan
Results in Physics,<http://dx.doi.org/10.1016/j.rinp.2021.104910>
- 93 New dark-bright soliton in the shallow water wave model**
YEL GÜLNUR, BAŞKONUŞ HACI MEHMET, Gao Wei
AIMS Mathematics,<http://dx.doi.org/10.3934/math.2020259>
- 94 New exact solitary wave solutions, bifurcation analysis and first order conserved quantities of resonance nonlinear Schrödinger equation with Kerr law nonlinearity**
Jhangeer Adil, BAŞKONUŞ HACI MEHMET, YEL GÜLNUR, Gao Wei
Journal of King Saud University - Science,
- 95 New exact solutions for nematicons in liquid crystals by the tan($\phi/2$)-expansion method arising in fluid mechanics**
İLHAN ONUR ALP, Manafian Jalil, Alizadeh Asad, BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,
- 96 New Hyperbolic Function Solutions for Some Nonlinear Partial Differential Equation Arising in Mathematical Physics**
BAŞKONUŞ HACI MEHMET, BULUT HASAN
Entropy,
- 97 New investigation of Bats-HostsReservoir-People coronavirus model and apply to 2019-nCoV system**
Gao Wei, BAŞKONUŞ HACI MEHMET, Shi Li
Advances in Difference Equations,
- 98 New Numerical Results for the Time-Fractional Phi-Four Equation Using a Novel Analytical Approach**
Gao Wei, Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET, YEL GÜLNUR
Symmetry,<http://dx.doi.org/10.3390/sym12030478>
- 99 New numerical simulation for fractional Benney- Lin equation arising in falling film problems using two novel techniques**
Gao Wei, Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET
Numerical Methods for Partial Differential Equations,<http://dx.doi.org/10.1002/num.22526>
- 100 New numerical simulations for some real world problems with Atangana-Baleanu fractional derivative**
Gao Wei, Ghanbari Behzad, BAŞKONUŞ HACI MEHMET
Chaos, Solitons & Fractals,<http://dx.doi.org/10.1016/j.chaos.2019.07.037>
- 101 New numerical surfaces to the mathematical model of cancer chemotherapy effect in Caputo fractional derivatives**

- 10** Veerasha P,Prakasha D G,BAŞKONUŞ HACI MEHMET
1 CHAOS,
- 10** **New results on nondensely characterized integrodifferential equations with fractional order**
2 Chandram Ravi,Jothimani Ka,BAŞKONUŞ HACI MEHMET,Valliammal Na
European Physical Journal Plus,
- 10** **New singular soliton solutions to the longitudinal wave equation in a magneto-electro-elastic circular rod with M-derivative**
3 BAŞKONUŞ HACI MEHMET, Gómez-Aguilar J. F.
Modern Physics Letters B,<http://dx.doi.org/10.1142/s0217984919502518>
- 10** **New Solitary and Optical Wave Structures to the (11)-Dimensional Combined KdV-mKdV Equation**
4 BULUT HASAN,Sulaiman Tukur A,BAŞKONUŞ HACI MEHMET,Sandulyak Anna A
Optik: International Journal for Light and Electron Optics,
- 10** **New solitary and optical wave structures to the Korteweg de Vries equation with dual power law nonlinearity**
5 BULUT HASAN,Tukur Abdulkadir Sleiman,BAŞKONUŞ HACI MEHMET
Optical and Quantum Electronics,
- 10** **New Solitary Wave Solutions to the (21)-Dimensional Calogero-Bogoyavlenskii-Schi and the Kadomtsev-Petviashvili Hierarchy Equations**
6 BAŞKONUŞ HACI MEHMET,Sulaiman Tukur Abdulkadir,BULUT HASAN
Indian Journal of Physics,
- 10** **New Structural Dynamics of Isolated Waves Via the Coupled Nonlinear Maccari's System with Complex Structure**
7 Ciancio Armando,BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
INDIAN JOURNAL OF PHYSICS,
- 10** **New wave behaviors and stability analysis of the Gilsonlu2013Pickering equation in plasma physics**
8 Ali Karmina K., YILMAZER REŞAT, BAŞKONUŞ HACI MEHMET, BULUT HASAN
Indian Journal of Physics,<http://dx.doi.org/10.1007/s12648-020-01773-9>
- 10** **New Wave Behaviors of the System of Equations for the Ion Sound and Langmuir Waves**
9 BAŞKONUŞ HACI MEHMET,BULUT HASAN
Waves in Random and Complex Media,
- 11** **New wave simulations to the (3+1)-dimensional modified Kdv-Zakharov-Kuznetsov equation**
0 BAŞKONUŞ HACI MEHMET,ALTAN KOÇ DİLARA,GÜLSU MUSTAFA,BULUT HASAN
AIP Conf. Pro.,
- 11** **Newly developed analytical method and its applications of some mathematical models**
1 Yan Li, YEL GÜLNUR, BAŞKONUŞ HACI MEHMET, BULUT HASAN, Gao Wei
World Scientific Pub Co Pte Ltd,<http://dx.doi.org/10.1142/s0217979222500400>
- 11** **Newly Developed Analytical Scheme and Its Applications to the Some Nonlinear Partial Differential Equations with the Conformable Derivative**
2

- 11** Yan Li, YEL GÜLNUR, kumar Ajay, BAŞKONUŞ HACI MEHMET, Gao Wei
2 Fractal and Fractional,<http://dx.doi.org/10.3390/fractalfraction5040238>
- 11** **Newly modified method and its application to the coupled Boussinesq equation in ocean engineering with its linear stability analysis**
3 Ismael Hajar F., BULUT HASAN, BAŞKONUŞ HACI MEHMET, Gao Wei
Communications in Theoretical Physics,<http://dx.doi.org/10.1088/1572-9494/aba25f>
- 11** **Novel archetypes of new coupled Konno–Oono equation by using sine–Gordon expansion method**
4 YEL GÜLNUR,BAŞKONUŞ HACI MEHMET,BULUT HASAN
Optical and Quantum Electronics,
- 11** **Novel Behaviors to the Nonlinear Evolution Equation Describing the Dynamics of Ionic Currents along Microtubules**
5 BAŞKONUŞ HACI MEHMET,ERDOĞAN FEVZİ,Ozkul Arif,Asmouh Ilham
ITM Web of Conf.,
- 11** **Novel Complex and Hyperbolic Forms to the Strain Wave Equation in Microstructured Solids**
6 BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
OPTICAL AND QUANTUM ELECTRONICS,
- 11** **Novel Dynamic Structures of 2019-nCoV with Nonlocal Operator via Powerful Computational Technique**
7 Gao Wei, Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET
Biology,<http://dx.doi.org/10.3390/biology9050107>
- 11** **Novel explicit solutions for the nonlinear Zoomeron equation by using newly extended direct algebraic technique**
8 Gao Wei, Rezazadeh Hadi, PINAR İZGİ ZEHRA, BAŞKONUŞ HACI MEHMET, Sarwar Shahzad, YEL GÜLNUR
Optical and Quantum Electronics,<http://dx.doi.org/10.1007/s11082-019-2162-8>
- 11** **Novel features of the nonlinear model arising in nano-ionic currents throughout microtubules**
9 ÇELİK ERCAN,BULUT HASAN,BAŞKONUŞ HACI MEHMET
INDIAN JOURNAL OF PHYSICS,
- 12** **Novel hyperbolic behaviors to some important models arising in quantum science**
0 BULUT HASAN, Sulaiman Tukru A, BAŞKONUŞ HACI MEHMET, YAZĞAN TUĞBA
Optical and Quantum Electronics,<http://dx.doi.org/10.1007/s11082-017-1181-6>
- 12** **Novel Structure to the Coupled Nonlinear Maccari's System by Using Modified Trial Equation Method**
1 BULUT HASAN,Gulnur Yel,BAŞKONUŞ HACI MEHMET
Advanced Mathematical Models and Applications,
- 12** **Novel wave surfaces to the fractional Zakharov-Kuznetsov-Benjamin-Bona-Mahony equation**
2 BAŞKONUŞ HACI MEHMET,YEL GÜLNUR,BULUT HASAN
AIP Conf. Proc.,

- 12 Numerical analysis of nonlinear fractional Klein-Fock-Gordon equation arising in quantum field theory via Caputo-Fabrizio fractional operator**
Prakash Amit, Kumar Ajay, BAŞKONUŞ HACI MEHMET, Kumar Ashok
Mathematical Sciences,<http://dx.doi.org/10.1007/s40096-020-00365-2>
- 12 Numerical simulation and solutions of the two-component second order KdV evolutionary system**
Yokus Asif,BAŞKONUŞ HACI MEHMET,Sulaiman Tukur A,BULUT HASAN
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS,
- 12 Numerical simulations to the nonlinear model of interpersonal relationships with time fractional derivative**
GENÇOĞLU MUHARREM TUNCAY,BAŞKONUŞ HACI MEHMET,BULUT HASAN
Author(s),<http://dx.doi.org/10.1063/1.4972695>
- 12 Numerical Solutions of the Mathematical Models on the Digestive System and COVID-19 Pandemic by Hermite Wavelet Technique**
Srinivasa Kumbinarasaiah, BAŞKONUŞ HACI MEHMET, Sánchez Yolanda Guerrero
Symmetry,<http://dx.doi.org/10.3390/sym13122428>
- 12 On pulse propagation of soliton wave solutions related to the perturbed Chen\&Liu equation in an optical fiber**
BAŞKONUŞ HACI MEHMET, Osman M. S., Rehman Hamood ur, Ramzan Muhammad, Tahir Muhammad, Ashraf Shagufta
Optical and Quantum Electronics,<http://dx.doi.org/10.1007/s11082-021-03190-6>
- 12 On Solvability of The Mixed Problem for a Partial Differential Equation of a Fractional Order with Sturm-Liouville Operators and NonLocal Boundary Conditions**
İLHAN ONUR ALP,Kasimov Shakirbay G,Madraximov Umrbek S,BAŞKONUŞ HACI MEHMET
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS,
- 12 On Solvability of The Mixed Problem for A Partial Differential Equation of A Fractional Order with Laplace Operators and Non-Local Boundary Conditions in The Sobolev Classes,**
İLHAN ONUR ALP,Kasimov SG,Otaev SQ,BAŞKONUŞ HACI MEHMET
Mathematics,
- 13 On Some New Analytical Solutions for The 2 1 Dimensional Burgers Equation And The Special Type Of Dodd Bullough Mikhailov Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
Journal of Applied Analysis and Computation,
- 13 On the bright and singular optical solitons to the (21)-dimensional NLS and the Hirota equations**
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,AKTÜRK TOLGA
OPTICAL AND QUANTUM ELECTRONICS,
- 13 On the Complex and Hyperbolic Structures for the 2 1 Dimensional Boussinesq Water Equation**
ÖZPINAR FİGEN,BAŞKONUŞ HACI MEHMET,BULUT HASAN
Entropy,
- 13 On the Complex and Hyperbolic Structures of Longitudinal Wave Equation in a Magneto Electro Elastic Circular Rod**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Atangana Abdon

- 13 Smart Materials and Structures,
3
- 13 **ON THE COMPLEX MIXED DARK-BRIGHT WAVE DISTRIBUTIONS TO SOME CONFORMABLE
4 NONLINEAR INTEGRABLE MODELS**
Ciancio A., YEL GÜLNUR, Kumar Ajay, BAŞKONUŞ HACI MEHMET, İlhan Esin
World Scientific Pub Co Pte Ltd, <http://dx.doi.org/10.1142/s0218348x22400187>
- 13 **On the Complex Simulations With Dark2013Bright to the Hirota2013Maccari System
5**
YEL GÜLNUR, Cattani Carlo, BAŞKONUŞ HACI MEHMET, Gao Wei
Journal of Computational and Nonlinear Dynamics,
- 13 **On the complex solutions to the (3+1)-dimensional conformable fractional modified KdV
6 Zakharov Kuznetsov equation**
YEL GÜLNUR, Sulaiman Tukru A, BAŞKONUŞ HACI MEHMET
Modern Physics Letters B, <http://dx.doi.org/10.1142/s0217984920500694>
- 13 **On the Complex Structures of Kundu Eckhaus Equation via Improved Bernoulli Sub Equation
7 Function Method**
BAŞKONUŞ HACI MEHMET, BULUT HASAN
Waves in Random and Complex Media,
- 13 **On the conformable nonlinear schrödinger equation with second order spatiotemporal and
8 group velocity dispersion coefficients**
Rezazadeh Hadi, Odabasi Meryem, Tariq Kalim U., Abazari Reza, BAŞKONUŞ HACI MEHMET
Chinese Journal of Physics, <http://dx.doi.org/10.1016/j.cjph.2021.01.012>
- 13 **On the Exact and Numerical Solutions to the Coupled Boussinesq Equation Arising in Ocean
9 Engineering**
Sulaiman Tukru A, BULUT HASAN, YOKUŞ ASIF, BAŞKONUŞ HACI MEHMET
INDIAN JOURNAL OF PHYSICS,
- 14 **On the exact solitary wave solutions to the long-short wave interaction system
0**
BAŞKONUŞ HACI MEHMET, Sulaiman Tukru A, BULUT HASAN
ITM Web of Conferences,
- 14 **On the modulation instability analysis and deeper properties of the cubic nonlinear
1 Schrödinger's equation with repulsive delta-potential**
Li Yi-Xia, ÇELİK ERCAN, Guirao Juan L.G., Saeed Tareq, BAŞKONUŞ HACI MEHMET
Results in Physics, <http://dx.doi.org/10.1016/j.rinp.2021.104303>
- 14 **On the new hyperbolic and trigonometric structures to the simplified MCH and SRLW equations
2**
BULUT HASAN, Sulaiman Tukur A, Erdogan Fevzi, BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,
- 14 **On the New Soliton and Optical Wave Structures to Some Nonlinear Evolution Equations
3**
BULUT HASAN, Sulaiman Tukru A, BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,
- 14 **On the new wave behavior to the Klein-Gordon-Zakharov equations in plasma physics
4**
BAŞKONUŞ HACI MEHMET, Sulaiman Tukru A, BULUT HASAN

- 14 INDIAN JOURNAL OF PHYSICS,
4
- 14 On the New Wave Solutions to a Nonlinear Model Arising in Plasma Physics
5 İLHAN ONUR ALP,Sulaiman Tukru A,BULUT HASAN,BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,
- 14 On the Novel Wave Behaviors to the Coupled Nonlinear Maccari's System with Complex
6 Structure
BAŞKONUŞ HACI MEHMET,Sulaiman Tukur Abdulkadir,BULUT HASAN
Optik- International Journal for Light and Electron Optics,
- 14 On the Numerical Solutions of Some Fractional Ordinary Differential Equations by Fractional
7 Adams Bashforth Moulton Method
BAŞKONUŞ HACI MEHMET,BULUT HASAN
Open Mathematics,
- 14 On the solitary wave solutions to the longitudinal wave equation in MEE circular rod,
8 BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
OPTICAL AND QUANTUM ELECTRONICS,
- 14 On the soliton solutions to the Nizhnik-Novikov-Veselov and the Drinfel'd-Sokolov systems
9 Cattani Carlo,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,BULUT HASAN
OPTICAL AND QUANTUM ELECTRONICS,
- 15 Optical Soliton Solutions of the Cubic-Quartic Nonlinear Schrödinger and Resonant Nonlinear
0 Schrödinger Equation with the Parabolic Law
Gao Wei, Ismael Hajar F., Husien Ahmad M., BULUT HASAN, BAŞKONUŞ HACI MEHMET
Applied Sciences,<http://dx.doi.org/10.3390/app10010219>
- 15 Optical soliton solutions to the Fokas-Lenells equation via sine-Gordon expansion method and \$
1 \$(m+{G'}/{G})\$-\$expansion method
Ismael Hajar F., BULUT HASAN, BAŞKONUŞ HACI MEHMET
Pramana,<http://dx.doi.org/10.1007/s12043-019-1897-x>
- 15 Optical solitons and other solutions to the conformable space-time fractional Fokas-Lenells
2 equation
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,Rezazadeh Hadi,Eslami
Mostafa,Mirzazadeh Mohammad
OPTIK,
- 15 Optical solitons and other solutions to the conformable space-time fractional complex
3 Ginzburg–Landau equation under Kerr law nonlinearity
Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,BULUT HASAN
PRAMANA-JOURNAL OF PHYSICS,
- 15 Optical solitons and stability regions of the higher order nonlinear Schrödinger's equation in an
4 inhomogeneous fiber
Javid Ahmad, Raza Nauman, Butt Asma Rashid, BAŞKONUŞ HACI MEHMET
Walter de Gruyter GmbH,<http://dx.doi.org/10.1515/ijnsns-2021-0165>
- 15 Optical solitons to the fractional perturbed NLSE in nano-fibers
5

- 15** Sulaiman Tukru A,BULUT HASAN,BAŞKONUŞ HACI MEHMET
5 Discrete and Continuous Dynamical Systems-Series S,
- 15** **Optical solitons to the resonant nonlinear Schrödinger equation with both spatio-temporal and inter-modal dispersions under Kerr law nonlinearity,**
6 BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
OPTIK,
- 15** **Optical solitons to the space-time fractional (11)-dimensional coupled nonlinear Schrödinger equation**
7 ESEN ALAATTİN,Sulaiman Tukru A,BULUT HASAN,BAŞKONUŞ HACI MEHMET
OPTIK,
- 15** **Periodic waves of the non dissipative double dispersive micro strain wave in the micro structured solids**
8 Gao Wei, Silambarasan Rathinavel, BAŞKONUŞ HACI MEHMET, Anand R. Vijay, Rezazadeh Hadi
Physica A: Statistical Mechanics and its Applications,<http://dx.doi.org/10.1016/j.physa.2019.123772>
- 15** **Prototype Traveling Wave Solutions of New Coupled Konno Oono Equation**
9 KOÇAK ZEYNEP FİDAN,BULUT HASAN,BAŞKONUŞ HACI MEHMET,ALTAN KOÇ DİLARA
OPTIK,
- 16** **REGARDING NEW NUMERICAL RESULTS FOR THE DYNAMICAL MODEL OF ROMANTIC RELATIONSHIPS WITH FRACTIONAL DERIVATIVE**
0 Gao Wei, Veerasha P, Prakasha D G, BAŞKONUŞ HACI MEHMET
World Scientific Pub Co Pte Ltd,<http://dx.doi.org/10.1142/s0218348x22400096>
- 16** **Regarding Deeper Properties of the Fractional Order Kundu-Eckhaus Equation and Massive Thirring Model**
1 WANG YAYA, VEERESHA P, PRAKASHA DG, BAŞKONUŞ HACI MEHMET, GAO WEI
Computers, Materials and Continua (Tech Science Press),<http://dx.doi.org/10.32604/cmes.2022.021865>
- 16** **Regarding new numerical solution of fractional Schistosomiasis disease arising in biological phenomena**
2 Veerasha P, BAŞKONUŞ HACI MEHMET, Prakasha D G, Gao Wei, YEL GÜLNUR
Chaos Solitons and Fractals,<http://dx.doi.org/10.1016/j.chaos.2020.109661>
- 16** **Regarding new positive, bounded and convergent numerical solution of nonlinear time fractional HIV/AIDS transmission model**
3 Goyal Manish,BAŞKONUŞ HACI MEHMET,Prakash Amit
Chaos, Solitons and Fractals,<http://dx.doi.org/10.1016/j.chaos.2020.110096>
- 16** **Regarding New Traveling Wave Solutions for the Mathematical Model Arising in Telecommunications**
4 BAŞKONUŞ HACI MEHMET, Guirao Juan Luis García, kumar Ajay, I Causanilles Fernando S. Vida, Bermudez German Rodriguez
Advances in Mathematical Physics,<http://dx.doi.org/10.1155/2021/5554280>
- 16** **Regarding New Wave Patterns of the Newly Extended Nonlinear (2+1)-Dimensional Boussinesq Equation with Fourth Order**
5 Guirao Juan Luis Garcia, BAŞKONUŞ HACI MEHMET, Kumar Ajay
Mathematics,<http://dx.doi.org/10.3390/math8030341>

- 16 Regarding on the Fractional Mathematical Model of Tumour Invasion and Metastasis**
6 Ilhan Esin, Prakasha D G, BAŞKONUŞ HACI MEHMET, Gao Wei
Computer Modeling in Engineering and Sciences,<http://dx.doi.org/10.32604/cmes.2021.014988>
- 16 Regarding on The Novel Forms of the (31)-Dimensional Kadomstev-Petviashvili Equation**
7 BULUT HASAN,DEMİRDAĞ BETÜL,BAŞKONUŞ HACI MEHMET
ITM Web of Conf.,
- 16 Regarding on the prototype solutions for the nonlinear fractional order biological population model**
8 BAŞKONUŞ HACI MEHMET,BULUT HASAN
AIP Conference Proceedings,
- 16 Regarding the group preserving scheme and method of line to the numerical simulations of Kleinlu2013Gordon model**
9 Gao Wei, Partohaghghi Mohammad, BAŞKONUŞ HACI MEHMET, Ghavi Samaneh
Results in Physics,<http://dx.doi.org/10.1016/j.rinp.2019.102555>
- 17 Results on approximate controllability results for second-order Sobolev-type impulsive neutral differential evolution inclusions with infinite delay**
0 Vijayakumar V., Panda Sumati Kumari, Nisar Kottakkaran Sooppy, BAŞKONUŞ HACI MEHMET
Numerical Methods for Partial Differential Equations,<http://dx.doi.org/10.1002/num.22573>
- 17 Singular Solitons in the Pseudo-parabolic Model Arising in Nonlinear Surface Waves**
1 İLHAN ONUR ALP,ESEN ALAATTİN,BULUT HASAN,BAŞKONUŞ HACI MEHMET
Results in Physics,
- 17 Solitary wave solitons to one model in the shallow water waves**
2 İLHAN ONUR ALP, Manafian Jalil, BAŞKONUŞ HACI MEHMET, Lakestani Mehrdad
The European Physical Journal Plus,<http://dx.doi.org/10.1140/epjp/s13360-021-01327-w>
- 17 Soliton theory and modulation instability analysis: The Ivancevic option pricing model in economy**
3 Chen Qiliang, BAŞKONUŞ HACI MEHMET, Gao Wei, Ilhan Esin
Elsevier BV,<http://dx.doi.org/10.1016/j.aej.2022.01.029>
- 17 Solitons in an inhomogeneous Murnaghan's rod**
4 Cattani Carlo,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,BULUT HASAN
European Physical Journal Plus,
- 17 Solitons in conformable time-fractional Wu2013Zhang system arising in coastal design**
5 YEL GÜLNUR, BAŞKONUŞ HACI MEHMET
Pramana,<http://dx.doi.org/10.1007/s12043-019-1818-z>
- 17 Solutions of partial differential equations using the fractional operator involving Mittag-Leffler kernel,**
6 YAVUZ MEHMET,ÖZDEMİR NECATİ,BAŞKONUŞ HACI MEHMET
European Physical Journal Plus,

- 17** **SOME characteristic properties of analytical method of magnetic control of ferroimpurities in various primary and technological media**
7 Sandulyak Anna A,Alexander V Sandulyak,BULUT HASAN,BAŞKONUŞ HACI MEHMET,Polismakova Maria N,Sandulyak Darya A
MATEC Web of Conferences,
- 17** **Some mixed trigonometric complex soliton solutions to the perturbed nonlinear Schrödinger equation**
8 Gao Wei,Ghanbari Behzad,Gunerhan Hatira,BAŞKONUŞ HACI MEHMET
MODERN PHYSICS LETTERS B,
- 17** **Some new families of exact solutions to a new extension of nonlinear Schrödinger equation**
9 Ghanbari Behzad, GÜNERHAN HATIRA, İLHAN ONUR ALP, BAŞKONUŞ HACI MEHMET
Physica Scripta,<http://dx.doi.org/10.1088/1402-4896/ab8f42>
- 18** **Some Novel Exponential and Complex Structural Properties of the Fisher Equation Arising in Mathematical Bioscience**
0 BULUT HASAN,Ataş Sibel Sehriban,BAŞKONUŞ HACI MEHMET
ITM Web of Conf.,
- 18** **Stable soliton solutions to the time fractional evolution equations in mathematical physics via the new generalized G'/G -expansion method**
1 İLHAN ONUR ALP, BAŞKONUŞ HACI MEHMET, Islam M. Nurul, Akbar M. Ali, SOYBAŞ DANYAL
International Journal of Nonlinear Sciences and Numerical Simulation,<http://dx.doi.org/10.1515/ijnsns-2020-0153>
- 18** **Strong Interacting Internal Waves in Rotating Ocean: Novel Fractional Approach**
2 Veerasha P., BAŞKONUŞ HACI MEHMET, Gao Wei
Axioms,<http://dx.doi.org/10.3390/axioms10020123>
- 18** **Studying on Kudryashov-Sinelshchikov dynamical equation arising in mixtures liquid and gas bubbles**
3 BAŞKONUŞ HACI MEHMET, Ahmad Mahmud Adnan, Abdulrahman Muhamad Kalsum, TANRIVERDİ TANFER, Wei Gao
National Library of Serbia,<http://dx.doi.org/10.2298/tsci200331247b>
- 18** **Sun Toughness Conditions for and Factor Uniform and Factor Critical Avoidable Graphs**
4 Gong Shu, BAŞKONUŞ HACI MEHMET, Gao Wei
Journal of Mathematics,<http://dx.doi.org/10.1155/2021/5526335>
- 18** **The Analytical Solutions of Some Fractional Ordinary Differential Equations By Sumudu Transform Method**
5 BULUT HASAN,BAŞKONUŞ HACI MEHMET,Fethi Bin Belgacem
Abstract and Applied Analysis,,
- 18** **The Modified Trial Equation Method for Fractional Wave Equation and Time Fractional Generalized Burgers Equation**
6 BULUT HASAN,BAŞKONUŞ HACI MEHMET,PANDIR YUSUF
Abstract and Applied Analysis,

- 18** The Modulation Instability Analysis and Analytical Solutions of the Nonlinear Gross-Pitaevskii Model with Conformable Operator and Riemann Wave Equations via Recently Developed Scheme
7

GAO WEI, BAŞKONUŞ HACI MEHMET

Hindawi Limited,<http://dx.doi.org/10.1155/2023/4132763>

- 18** W-shaped surfaces to the nematic liquid crystals with three nonlinearity laws
8

Ismael Hajar Farhan, BULUT HASAN, BAŞKONUŞ HACI MEHMET

Soft Computing,

Bildiriler (YOKSIS)

- 1** An Application of Improved Bernoulli Sub Equation Function Method To The Nonlinear Time Fractional Burgers Equation

BULUT HASAN,Yel Gülnur,BAŞKONUŞ HACI MEHMET

International Conference on Mathematics and Mathematics Education (ICMME-2016), 12-14 May 2016, Elazig Turkey ,

- 2** An Efficient Technique for Coupled Fractional Whitham-Broer-Kaup Equations Describing the Propagation of Shallow Water Waves

Prakasha D G,Veerasha Pr,BAŞKONUŞ HACI MEHMET

4th International Conference on Computational Mathematics and Engineering Sciences(CMES-2019) ,

- 3** Analytical And Numerical Methods For Solving Nonlinear Partial Differential Equations II

BAŞKONUŞ HACI MEHMET

1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016), 03-06.03.2016, Errachidia/Morocco ,

- 4** Analytical Solutions for Local Fractional Telegraph Equations

Kumar Devendra,Singh Jagdev,BAŞKONUŞ HACI MEHMET,BULUT HASAN

1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016), 03-06.03.2016, Errachidia/Morocco ,

- 5** Application of the Extended Trial Equation Method to the Fractional Rosenau Hyman Equation

BULUT HASAN,PANDIR YUSUF,BAŞKONUŞ HACI MEHMET

International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2013), 02-05 June 2013, İstanbul, Turkey ,

- 6** Application of the Homotopy Perturbation Method for nonlinear 3 1 Dimensional Breaking Soliton Equation

BULUT HASAN,BAŞKONUŞ HACI MEHMET,TÜLÜCE DEMİRAY ŞEYMA

The 4th Congress of the Turkic World Mathematical Society (TWMS), 01-03 July 2011, Baku, Azerbaijan ,

- 7** Approximate Numerical Solution of the Nonlinear Klein-Gordon Equation with Caputo-Fabrizio Fractional Operator

Kumar Ajay, BAŞKONUŞ HACI MEHMET, Prakash Amit

5th International Conference on Mathematical Modeling, Applied Analysis and Computation- 2022 , <https://link.springer.com/book/10.1007/978-981-19-0179-9>

- 8** BASIC FIELD DEPENDENCES OF MAGNETIC INDUCTION IN THE SHORT GRANULATED SAMPLES AND THEIR ANALYSIS

- 8** Anna Sandulyak,Sandulyak Alexander,BULUT HASAN,BAŞKONUŞ HACI MEHMET,Saccani Cesare
4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING
SCIENCES, 20-22 APRIL 2019, AKDENIZ UNIVERSITY, ANTALYA, TURKEY ,
- 9** Bright, Dark Optical and Other Solitons to the Generalized Higher-Order NLSE in Optical Fibers
BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
International Conference on Current Scenario in Pure and Applied Mathematics (ICCPAM - 2018), 14-
16 Şubat 2018, Tamil Nadu, India ,
- 10** Chaos in the Fractional Order Logistic Delay System Circuit Realization and Synchronization
BAŞKONUŞ HACI MEHMET,Zakia Hammouch,Toufik Mekkaoui,BULUT HASAN
International Conference of Numerical Analysis and Applied Mathematics 2015 (ICNAAM 2015), 23-29
September 2015, Rodos Palace Hotel, Rhodes, GREECE. ,
- 11** Complex Acoustic Gravity Wave Behaviors to aMathematical Model Arising in Nonlinear
MathematicalPhysics
AKTÜRK TOLGA,Sulaiman Tukru A,BULUT HASAN,BAŞKONUŞ HACI MEHMET
International Conference on Computational Mathematics and Engineering Sciences- (CMES-2018), ,
- 12** Complex Dynamics in Compressional Dispersive Alfvén waves
BAŞKONUŞ HACI MEHMET
4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING
SCIENCES, 20-22 APRIL 2019, AKDENIZ UNIVERSITY, ANTALYA, TURKEY ,
- 13** Complex Dynamics to the Compressional Dispersive Alfvén Waves in (11) Dimensions
BAŞKONUŞ HACI MEHMET
International Conference on Innovative Engineering Applications (CIEA-2018) ,
- 14** Construction of various soliton solutions via thesimplified extended sinh-Gordon equation
expansionmethod
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
International Conference on Computational Mathematics and Engineering Sciences- (CMES-2018), ,
- 15** Contours to Generalized Schamel Model in Plasma Physics
BAŞKONUŞ HACI MEHMET,BULUT HASAN
4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING
SCIENCES, 20-22 APRIL 2019, AKDENIZ UNIVERSITY, ANTALYA, TURKEY ,
- 16** Dark and New Travelling Wave Solutions to the Nonlinear Evolution Equation
ALTAN KOÇ DİLARA,BAŞKONUŞ HACI MEHMET,BULUT HASAN
1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016),
03-06.03.2016, Errachidia/Morocco ,
- 17** Dark, Bright and Other Optical Soliton Solutions to the Decoupled Nonlinear Schrödinger
Equation Arising in Dual-Core Optical Fibers
BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
International Conference on Current Scenario in Pure and Applied Mathematics (ICCPAM - 2018), 14-
16 Şubat 2018, Tamil Nadu, India ,
- 18** Dark, Bright Optical and Other Solitons with Conformable Space-Time Fractional Second-Order
Spatiotemporal Dispersion
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET

- 18** International Conference on Current Scenario in Pure and Applied Mathematics (ICCPAM - 2018), 14-16 Şubat 2018, Tamil Nadu, India ,
- 19** **Doğrusal Olmayan Vakhnenko Parkes Denkleminin Bernoulli Alt Denklem Fonksiyon Metoduyla Analitik Çözümleri**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Dilara Gizem Emir
14. Matematik Sempozyumu "Kanatlandıran Matematik", 14-16 Mayıs 2015, Niğde,Türkiye ,
- 20** **Dynamics of Optical Solitons in the R-NLSE for Kerr Law Nonlinearity with Both Spatio-Temporal and Inter-Modal Dispersions**
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET
International Conference on Current Scenario in Pure and Applied Mathematics (ICCPAM - 2018), 14-16 Şubat 2018, Tamil Nadu, India ,
- 21** **Geometrical Interpretation and A Comparative Study Between Three Different Methods For Solving The Non Lineer Kdv Equation**
BULUT HASAN,BAŞKONUŞ HACI MEHMET,Aktürk Tolga
8. Ulusal Geometri Sempozyumu, 29 Nisan-02 Mayıs 2010, Antalya, Türkiye ,
- 22** **Hybrid Computational Technique for Time-Fractional Newell-Whitehead-Segel Equation via Sumudu Transform**
Amit Prakash,BAŞKONUŞ HACI MEHMET,Verma Vijay
4th International Conference on Computational Mathematics and Engineering Sciences(CMES-2019) ,
<https://www.springer.com/gp/book/9783030391119aboutBook>
- 23** **Investigation of Various Travelling Wave Solutions to the Extended (21)-Dimensional Quantum ZK Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Sulaiman Tukru A
International Conference on Mathematics and Mathematics Education, (ICMME-2017), Harran University, Sanliurfa, Turkey ,
- 24** **Kısmi Diferansiyel Denklemlerin Sumudu Dönüşümü Ve Homotopi Perturbasyon Metoduyla Çözümü**
BULUT HASAN,BAŞKONUŞ HACI MEHMET,Burcu Baydemir
12. Matematik Günleri, Ankara,Türkiye, 23-25 Mayıs 2013 Hacettepe Üniv. Ankara, Türkiye ,
- 25** **Logaritmic Properties of Variable Coefficients Black-Scholes Model with Generalized Form**
BAŞKONUŞ HACI MEHMET
4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, 20-22 APRIL 2019, AKDENIZ UNIVERSITY, ANTALYA, TURKEY ,
- 26** **New Complex and Hyperbolic Function Solutions to theGeneralized Double Combined Sinh Cosh Gordon Equation**
BAŞKONUŞ HACI MEHMET
ICNPA Congress 2016: International Conference in Nonlinear Problems in Aviation and Aerospace, 05-08 July 2016, La Rochelle/France ,
- 27** **New complex hyperbolic function solutions for the 2 1 dimensional dispersive long water wave system**
BULUT HASAN,BAŞKONUŞ HACI MEHMET
1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016), 03-06.03.2016, Errachidia/Morocco ,
- 28** **New Complex Hyperbolic Structures to the Lonngren-Wave Equation by Using Sine-Gordon Expansion Method**

- 28** BAŞKONUŞ HACI MEHMET,BULUT HASAN,Sulaiman Tukru A
Ukrainian Conference On Applied Mathematics,Ukraine ,
- 29** **New Dark Soliton Structures to the Newell Whitehead Equation**
BAŞKONUŞ HACI MEHMET,ALTAN KOÇ DİLARA,BULUT HASAN
International Conference on Mathematics and Mathematics Education (ICMME-2016), 12-14 May 2016,
Elazig Turkey ,
- 30** **New Nonlinear Model for the Kaup'xxs Higher Order Water-Wave Equation**
BAŞKONUŞ HACI MEHMET
International Conference on Innovative Engineering Applications (CIEA-2018) ,
- 31** **New Solitary Wave Solutions to the (21)-Dimensional Calogero-Bogoyavlenskii-Schi and the Kadomtsev-Petviashvili Hierarchy Equations**
BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
The Second International Conference on Computational Mathematics and Engineering Sciences
(CMES2017), Istanbul, Turkey, ,
- 32** **New Surfaces to the Benjamin-Bona-Mahony-Peregrine-Burgers Equation by Using Modified Exponential Function Method**
ESEN ALAATTİN,BULUT HASAN,BAŞKONUŞ HACI MEHMET
Ukrainian Conference On Applied Mathematics,Ukraine ,
- 33** **Novel Behaviors to the Nonlinear Evolution Equation Describing the Dynamics of Ionic Currents Along Microtubules**
BAŞKONUŞ HACI MEHMET,ERDOĞAN FEVZİ,Özkul Arif,Asmouh İlham
The Second International Conference on Computational Mathematics and Engineering Sciences
(CMES2017), Istanbul, Turkey ,
- 34** **Novel Contour Surfaces To The (21)-Dimensional Date-Jimbo-Kashiwara-Miwa Equation**
BAŞKONUŞ HACI MEHMET
4nd INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS ,
- 35** **Novel Hyperbolic Behaviors to Some Important Models Arising in Quantum Science**
BULUT HASAN,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,Yazgan Tugba
The Second International Conference on Computational Mathematics and Engineering Sciences
(CMES2017), Istanbul, Turkey ,
- 36** **Novel Powerfull Tools for Solving Nonlinear Models**
BAŞKONUŞ HACI MEHMET
International Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM - 2018), 14-
16 Şubat 2018, Tamil Nadu, India ,
- 37** **Novel Structure To The Coupled Nonlinear Maccari'xxs System by using Modified Trial Equation Method**
YEL GÜLNUR,BAŞKONUŞ HACI MEHMET,BULUT HASAN
The Second International Conference on Computational Mathematics and Engineering Sciences
(CMES2017), Istanbul, Turkey ,
- 38** **Numerical simulations to the nonlinear model of interpersonal Relationships with time fractional derivative**
Gencoglu Muharrem Tuncay,BAŞKONUŞ HACI MEHMET,BULUT HASAN

- 38** ICNPA Congress 2016: International Conference in Nonlinear Problems in Aviation and Aerospace, 05 -08 July 2016, La Rochelle/France ,
- 39** **Numerical Solution Study On Kdv Equation The Burgers Equation And The K 2 2 Equation With Homotopy Perturbation Method**
BULUT HASAN,BAŞKONUŞ HACI MEHMET
The 3rd International Symposium on Nonlinear Dynamics, 25-28 September 2010, Shanghai , China . ,
- 40** **Numerical Solution Study On The Nonlinear Benjamin Bona Mahony Equation With Homotopy Perturbation Method**
BULUT HASAN,BAŞKONUŞ HACI MEHMET
5. Ankara Matematik Günleri Kongresi, 03-05 Haziran 2010, TOBB, Ankara, Türkiye ,
- 41** **On some new complex analytical solutions for the nonlinear long short wave interaction system with complex structure**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
The International Conference “Mathematical and Computational Modeling in Science and Technology” (ICMCMST'2015), August 02-07, 2015, İZMİR/TURKEY ,
- 42** **On Some New Exact Solutions of Special Type of the Nonlinear Dodd Bullough Mikhailov Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Fethi Bin Muhammad Belgacem
3rd NAUN International Conference on Mathematical, Computational and Statistical Sciences (MCSS '15), 22-24 February 2015, Dubai, UAE. ,
- 43** **On The Complex Analytical Solutions For the Fractional Nonlinear Double Sinh Poisson Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016), 03-06.03.2016, Errachidia/Morocco ,
- 44** **On the exact and numerical solutions to a nonlinear model arising in mathematical biology**
YOKUŞ ASIF,Sulaiman Tukru A,BAŞKONUŞ HACI MEHMET,Atmaca Sibel Paşalı
International Conference on Computational Mathematics and Engineering Sciences- (CMES-2018), ,
- 45** **On the exact solitary wave solutions to the long-short wave interaction system**
BAŞKONUŞ HACI MEHMET,Sulaiman Tukru A,BULUT HASAN
International Conference on Computational Mathematics and Engineering Sciences- (CMES-2018), ,
- 46** **On the exact solutions of high order wave equations of KdV type I**
BULUT HASAN,PANDIR YUSUF,BAŞKONUŞ HACI MEHMET
10th International Conference On Mathematical Problems in Engineering, Aerospace And Sciences (ICNPAA 2014), 15-18 July 2014, Narvik, NORWAY ,
- 47** **On The Geometric Interpretations Of The Klein Gordon Equation And Solution Of The Equation By The Homotopy Perturbation Method**
BULUT HASAN,BAŞKONUŞ HACI MEHMET,Hasan Hüseyin Özgen
8. Ulusal Geometri Sempozyumu, 29 Nisan-02 Mayıs 2010, Antalya, Türkiye ,
- 48** **On The Hyperbolic Simulations to the Camassa Holm Equation**
BAŞKONUŞ HACI MEHMET,Sulaiman Tukur Abdulkadir
6th International Youth Science Forum “LITTERIS ET ARTIBUS”, Computer Science and Engineering, Lviv, Ukraine, 24–26 November 2016. ,

- 49 **On The Numerical Solution of Nonlinear Time Fractional Generalized Burgers Equation by Homotopy Analysis Method and Modified Trial Equation Method**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,PANDIR YUSUF
3rd International Conference on Pure and Applied Mathematics (ICPAM 2014), 18-19 July, Madrid SPAIN. ,
- 50 **On The Roots of An Evolution Equation**
BAŞKONUŞ HACI MEHMET
4nd INTERNATIONAL CONFERENCE ON ANALYSISAND ITS APPLICATIONS ,
- 51 **Oscillations of solutions of initial value problems for parabolic equations by the homotopy perturbation method**
BULUT HASAN,BAŞKONUŞ HACI MEHMET
Bulgarian-Turkish-Ukrainian Scientific Conference, "Mathematical Analysis, Differential Equations And Their Applications", 15-20 September 2010, Sunny Beach, Bulgaria ,
- 52 **Partial fractional differential equation systems solutions by Adomian decomposition method implementation**
BULUT HASAN,Fethi Bin Muhammad Belgacem,BAŞKONUŞ HACI MEHMET
4th International Conference On Mathematical and Computational Applications (ICMCA 2013), 11-13 June 2013, Manisa,TURKEY. ,
- 53 **Pellmatrix Polynomial Method for Linear Complex Differential Equations**
DÜŞÜNCELİ FARUK,ÇELİK ERCAN,BAŞKONUŞ HACI MEHMET
International Conference on Current Scenario in Pure and Applied Mathematics (ICCPAM - 2018), 14-16 Şubat 2018, Tamil Nadu, India ,
- 54 **Prototype Traveling Wave Solutions of New Coupled Konno Oono Equation**
KOÇAK ZEYNEP FİDAN,BULUT HASAN,BAŞKONUŞ HACI MEHMET,ALTAN KOÇ DİLARA
1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016), 03-06.03.2016, Errachidia/Morocco ,
- 55 **Regarding Analytical Prototype Studies For The Generalized Nonlinear Pochhammer Chree Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Miraç Kayhan
International Conference on Pure and Applied Mathematics (ICPAM 2015), 25-28 August, 2015, VAN/TURKEY ,
- 56 **Regarding complex and exponential behaviours to the nonlinear space time fractional telegraph equation**
BULUT HASAN,Yel Gülnur,BAŞKONUŞ HACI MEHMET
International Conference on Applied Mathematics and Analysis(ICAMA2016), Atilim University, Department of Mathematics, Ankara, Turkey, July 11-13, 2016. ,
http://icama2016.atilim.edu.tr/shares/icama2016/files/ICAMA2016_booklet.pdf
- 57 **Regarding Hyperbolic Prototype Solutions For Some Nonlinear Fractional Partial Differential Equations**
BULUT HASAN,BAŞKONUŞ HACI MEHMET
The 5th International Conference on Control and Optimization with Industrial Applications, August 27–29, 2015, Baku, Azerbaijan. ,
- 58 **Regarding New Model to the Nonlinear Gilson-PickeringDiffetential Equation**
BAŞKONUŞ HACI MEHMET

- 58** 4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, 20-22 APRIL 2019, AKDENİZ UNIVERSITY, ANTALYA, TURKEY ,
- 59** **Regarding on the Novel Forms Of The (31)-Dimensional Kadomtsev-Petviashvili Equation**
BULUT HASAN,DEMİRDAĞ BETÜL,BAŞKONUŞ HACI MEHMET
The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), Istanbul, Turkey ,
- 60** **Regarding on the Prototype Solutions for the Nonlinear Fractional Order Biological Population Model**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
International Conference of Numerical Analysis and Applied Mathematics 2015 (ICNAAM 2015), 23-29 September 2015, Rodos Palace Hotel, Rhodes, GREECE. ,
- 61** **Regarding on the Some Novel Exponential Travelling Wave Solutions to the Wu-Zhang System Arising in Nonlinear Water Wave Model**
YEL GÜLNUR,BAŞKONUŞ HACI MEHMET,BULUT HASAN
International Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM - 2018), 14-16 Şubat 2018, Tamil Nadu, India ,
- 62** **Regarding the numerical solutions of the Sharma-Tasso-Olver equation**
Sulaiman Tukru A,YOKUŞ ASIF,GÜLLÜOĞLU NESRİN,BAŞKONUŞ HACI MEHMET
International Conference on Computational Mathematics and Engineering Sciences- (CMES-2018), ,
- 63** **Simetrik Uzun Dalga Denkleminin Genişletilmiş Deneme Denklem Metoduyla Analitik Çözümleri**
BULUT HASAN,BAŞKONUŞ HACI MEHMET,Eren Cüvelek
14. Matematik Sempozyumu "Kanatlandıran Matematik", 14-16 Mayıs 2015, Niğde,Türkiye ,
- 64** **Solitary Wave Solutions and Convergence Analysis to the Local M-Fractional Simplified MCH Equation**
Sulaiman Tukru A,BULUT HASAN,BAŞKONUŞ HACI MEHMET
4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2019), APRIL 20-22, 2019 ANTALYA/TURKEY ,
- 65** **Some Characteristic Properties of Analytical Method of Magnetic Control of Ferroimpurities in Various Primary and Technological Media**
Sandulyak Anna A,Sandulyak Alexander V,BULUT HASAN,BAŞKONUŞ HACI MEHMET,Polismakova Maria N,Sandulyak Darya A
21st International Conference on Circuits, Systems, Communications and Computers (CSCC 2017) Agia Pelagia, Crete Island, Greece, July 14-17 2017 ,
- 66** **SOME NEW ANALYTICAL SOLUTIONS TO THE NONLINEAR MODIFIED QUANTUM ZAKHAROV-KUZNETSOV EQUATION**
BAŞKONUŞ HACI MEHMET,Şençicek Halil
8th International Conference on Computational Mathematics and Engineering Sciences ,
https://www.cmescongress.org/wp-content/uploads/2024/05/Abstract_Book-1.pdf
- 67** **Some New Analytical Solutions for the Nonlinear Time Fractional KdV Burgers Kuramoto Equation**
BULUT HASAN,Fethi Bin Muhammad Belgacem,BAŞKONUŞ HACI MEHMET
3rd NAUN International Conference on Mathematical, Computational and Statistical Sciences (MCSS '15), 22-24 February 2015, Dubai, UAE. ,
- 68** **Some new feature in complex domain of the nonlinear model arising in the dynamics of ionic currents along microtubules**

- 68** ÇELİK ERCAN,BULUT HASAN,BAŞKONUŞ HACI MEHMET
Ukrainian Conference on Applied Mathematics ,
- 69** **Some Novel Exponential and Complex Structural Properties of the Fisher Equation Arising in Mathematical Bioscience**
BULUT HASAN,Ateş Sibel,BAŞKONUŞ HACI MEHMET
The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), ,
- 70** **Some Novel Exponential Function Structures to the Cahn Allen Equation**
BULUT HASAN,Atas Sibel Sehriban,BAŞKONUŞ HACI MEHMET
International Conference on Mathematics and Mathematics Education (ICMME-2016), 12-14 May 2016, Elazig Turkey ,
- 71** **SOME SPECIFIC DIOPHANTINE SETS RELATED WITH PELLIAN EQUATIONS**
ÖZER ÖZEN,BAŞKONUŞ HACI MEHMET
4-TH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, 20-22 APRIL 2019, AKDENIZ UNIVERSITY, ANTALYA, TURKEY ,
- 72** **Some Wave Simulation Properties to the (31) Dimensional Kadomtsev-Petviashvili Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN,Kayhan Miraç
International Workshop on Mathematical Methods In Engineering ,
- 73** **Symmetrical Hyperbolic Fibonacci Function Solutions of Generalized Fisher Equation with Fractional Order**
BULUT HASAN,PANDIR YUSUF,BAŞKONUŞ HACI MEHMET
International Conference of Numerical Analysis and Applied Mathematics 2013 (ICNAAM 2013),21-27 September 2013, Rodos Palace Hotel, Rhodes, GREECE. ,
- 74** **Technologies of a Continuous Ultrasonic Thickness Measuring**
Vitaliy Pronin,Shkatov Petr,Anna Sandulyak,BAŞKONUŞ HACI MEHMET
The Second International Conference on 19/45Computational Mathematics and Engineering Sciences (CMES2017), Istanbul, Turkey ,
- 75** **The Fractional Adams Bashforth Moulton Method for Linear and Nonlinear Fractional Ordinary Differential Equation**
BAŞKONUŞ HACI MEHMET,BULUT HASAN
International Conference on Nonlinear Differential and Difference Equations: Recent Developments and Applications, May 27-30, 2014, Side, Antalya, TURKEY ,
- 76** **The implemented of variational iteration method to nonlinear fractional differential equation systems**
BULUT HASAN,TÜLÜCE DEMİRAY ŞEYMA,BAŞKONUŞ HACI MEHMET
4th International Conference On Mathematical and Computational Applications (ICMCA 2013), 11-13 June 2013, Manisa,TURKEY. ,
- 77** **The Sine Gordon expansion method to the Davey Stewartson equation with power law nonlinearity**
BAŞKONUŞ HACI MEHMET
1st International Symposium on Computational Mathematics and Engineering Sciences (CMES 2016), 03-06.03.2016, Errachidia/Morocco ,
- 78** **The solutions of homogenous and nonhomogeneous linear fractional differential equations by variational iteration method**

- 78** BULUT HASAN,BAŞKONUŞ HACI MEHMET,TÜLÜCE DEMİRAY ŞEYMA
11. Ulusal Matematik Sempozyumu, 19-21 Eylül 2012, Samsun, Türkiye, ,
- 79 The Solutions of Initial Value Problems by Sumudu Transform Method**
BULUT HASAN,TÜLÜCE DEMİRAY ŞEYMA,BAŞKONUŞ HACI MEHMET
International Conference on Mathematical Analysis, Differential Equations and Their Applications, 04-09 September 2012, Mersin/TURKEY ,
- 80 The Solutions of Partial Differential Equations with Variable Coefficient by Sumudu Transform Method**
BULUT HASAN,BAŞKONUŞ HACI MEHMET,TÜLÜCE DEMİRAY ŞEYMA
9th International Conference On Mathematical Problems In Engineering, Aerospace And Sciences (ICNPAA 2012) World Congress: , 10-14 July 2012, Vienna, AUSTRIA. ,
- 81 Travelling Wave Simulations to the Modified Zakharov Kuzentsov Model Arising In Plasma Physics**
BAŞKONUŞ HACI MEHMET,Askin Muzaffer
6th International Youth Science Forum “LITTERIS ET ARTIBUS”, Computer Science and Engineering, Lviv, Ukraine, 24–26 November 2016. ,
- 82 Variational Iteration Method for Hyperchaotic Nonlinear Fractional Differential Equations Systems**
Fethi Bin Muhammad Belgacem,BULUT HASAN,BAŞKONUŞ HACI MEHMET
3rd NAUN International Conference on Mathematical, Computational and Statistical Sciences (MCSS '15), 22-24 February 2015, Dubai, UAE. ,