Morteza Bisheh Niasar

Assistant Professor

College: Faculty of Mathematics

Department: Applied Mathematics

Education

Degree	Graduated in	Major	University
BSc		Applied Mathematics	University of Kashan
MSc		Applied Mathematics-Numerical Analysis	Sistan&Baluchestan University
Doctoral		Applied Mathematics-Numerical Analysis	Sistan&Baluchestan University

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan	Faculty member	Tenure Track	Full Time	10

Papers in Conferences

1. مرتضی بیشه نیاسر,سعیده خضیراوی،یک روش بلوکی هیبریدی با شبکه غیریکنواخت برای مسائل اشفته تکین،۵۴ امین کنفرانس ریاضی ایران،۱ - زنجان،۲۰۲۳ ۰۸ ۲۳ .
2. مرتضی بیشه نیاسر و سعیده خضیراوی،یک روش بلوکی هیبریدی با شبکه غیر یکنواخت برای مسائل آشفته تکین،پنجاه و چهارمین کنفرانس ریاضی ایران،زنجان،اول شهریور ۱۴۰۲.
3. M. Bisheh Niasar , M. H. Hossein pour , M. Arab ,An explicit compact finite difference scheme for burger equation ,7th international seminar of numerical analysis and its applications ,Kerman ,2018.
4. Morteza Bisheh Niasar ,Two new nonstandard finite difference schemes for bratu problem ,48th annual iranian mathematics conference ,Hamedan ,2017.
5. M. Bisheh Niasar ,& M Akrami Arani ,A non-standard finite difference scheme for burgers-fisher equation ,13th international seminar on differential equations dynamical systems and applications ,Isfahan ,2016.
6. Morteza Bisheh Niasar ,A non standard finite difference method for a biological system ,7th national conference on mathematics ,Tabriz ,2015.
7. Morteza Bisheh Niasar ,A non standard finite difference method for HIV infection of CD4+T cells

model ,46th annual irannian mathematics conference ,Yazd ,2015.

Papers in Journals

1. مرتضی بیشه نیاسر و علیرضا مهدی پور،یک روش بلوکی هیبریدی شبکه تطبیقی برای حل معادلات دیفرانسیل آشفته تکین غیرخطی،مجله محاسبات نرم،۳۱-شهریور ۱۴۰۲.
2. R.Gharechahi, M.Arabameri, M. Bisheh و Niasar،Numerical Solution of Fractional Bratu's Initial Value Problem Using Compact Finite Difference Scheme،Progress in Fractional Differentiation and Applications،۲۰۲۱.
3. Morteza Bisheh , Niasar , , Higinio Ramos,A computational block method with ve hybrid-points for di erential equations containing a piecewise constant delay,Differential Equations and dynamical systems,2023 01 02.
4. Morteza Bisheh ,& Niasar,The Effect of the Caputo Fractional Derivative on Polynomiography,Mathematics Interdisciplinary Research,2022 12 11.
5. Morteza Bisheh Niasar ,& Krzysztof Gdawiec,Bisheh-Niasar–Saadatmandi root finding method via the S-iteration with periodic parameters and its polynomiography,Mathematics and Computers in Simulation,Vol. 160,pp. 1-12,2019.
6. R Gharechahi , M Arab Ameri , M Bisheh Niasar,High Order Compact Finite Difference Schemes for Solving Bratu-Type Equations,Journal of Applied and Computational Mechanics,Vol. 5,No. 1,pp. 91-102,2019.
7. M. Bisheh Niasar,A Computational Method for Solving the Lane-Emden Initial Value Problems,Computational Methods for Differential Equations,pp. (Accepted),2019.
8. M Bisheh Niasar , A Saadatmandi , M Akrami Arani,A new family of high-order difference schemes for the solution of second order boundary value problems,Iranian Journal of Mathematical Chemistry,Vol. 3,No. 9,pp. 187-199,2018.
9. M Bisheh Niasar ,& M Arab Ameri,Moving Mesh Non-standard Finite Difference Method for Non-linear Heat Transfer in a Thin Finite Rod,Journal of Applied and Computational Mechanics,Vol. 4,No. 3,pp. 161-166,2018.
10. Morteza Bisheh Niasar ,& Abbas Saadatmandi,Some novel Newton-type methods for solving nonlinear equations,Boletim da Sociedade Paranaense de Matem tica,Vol. 38,No. 3,pp. 111-123,2017.
11. M. bisheh Niasar ,& A. R. Soheili,Approximation of stochastic advection-diffusion equation using compact finite difference technique,Iranian Journal of Science & Technology,Transaction A,Vol. 37,No. 3,pp. 327-333,2013.
12. A. R. Soheili , M. Bisheh Niasar , M. Arezoomandan,APPROXIMATION OF STOCHASTIC PARABOLIC DIFFERENTIAL EQUATIONS WITH TWO DIFFERENT FINITE DIFFERENCE SCHEMES,Bulletin of the Iranian Mathematical Society,Vol. 37,No. 2,pp. 61-83,2011.