NURCAN GÜCÜYENEN KAYMAK

ASSISTANT PROFESSOR

Adress : DOĞUŞ UNIVERSITY, FACULTY OF ECONOMICS AND ADMINISTRATIVE, DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS

Education

PhD 2007 15/August/2013	İZMİR HIGH INSTITUTE OF TECHNOLOGY INSTITUTE OF ENGINEERING AND SCIENCE /MATHEMATICS (DR) (ENGLISH) Name of Thesis: Operator splitting method for parabolic partial differential equations: Analyses and applications (2013) Advisor:(GAMZE TANOĞLU)
Bachelor's Degree 2003 26/June/2007	DOKUZ EYLÜL UNIVERSITY FACULTY OF SCIENCE/MATHEMATICS (ENGLISH)

Academic Positions

ASSISTANT PROFESSOR 2020	DOĞUŞ UNIVERSITY/ FACULTY OF ECONOMICS AND ADMINISTRATIVE/ DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS
ASSISTANT PROFESSOR 2013-2016	GEDİZ UNIVERSITY/FACULTY OF ENGINEERING AND ARCHITECTURE/DEPARTMENT OF CIVIL ENGINEERING
RESEARCH ASSISTANT 2008-2013	İZMİR HIGH INSTITUTE OF TECHNOLOGY /FACULTY OF SCIENCE/DEPARTMENT OF MATHEMATICS

Publications

Articles in International Refereed Journals:

1. ZÜRNACI FATMA,GÜCÜYENEN NURCAN,SEYDAOĞLU MUAZ,TANOĞLU GAMZE (2018). Convergence analysis and numerical solution of the Benjamin-Bona-Mahony equation by Lie-Trotter splitting. TURKISH JOURNAL OF MATHEMATICS, 42(3), Doi: 10.3906/mat-1603-94 (Control No: 4314243)

2. KORKUT UYSAL SILA ÖVGÜ,GÜCÜYENEN NURCAN,TANOĞLU GAMZE (2018). A Conserved Linearization Approach for SolvingNonlinear Oscillation Problems. Applied Mathematics and Information Sciences, 12(3), 1-7., Doi: doi:10.18576/amis/120308 (Control No: 4299118)

3. GÜCÜYENEN NURCAN (2017). Strang Splitting method to Benjamin Bona Mahony Type Equations Analysis and Application. Journal of Computational and Applied Mathematics, 616-623., Doi: 10.1016/j.cam.2015.11.015 (Control No: 1662280)

Articles in International Refereed Journals:

4. Nurcan Gücüyenen, Gamze Tanoğlu (2011). On the numerical solution of Korteweg de Vries equation by the iterative splitting method. Applied Mathematics and Computation, 218(3), 777-782. (Control No: 83469)
5. Jurgen Geiser, Gamze Tanoğlu, Nurcan Gücüyenen (2011). Higher order operator splitting methods via Zassenhaus product formula Theory and applications. Computers and Mathematics with Applictions, 62(4), 1994-2015. (Control No: 83475)
6. Nurcan Gücüyenen, Gamze Tanoğlu (2011). Iterative operator splitting method for capillary formation model in tumor angiogenesis problem Analysis and application. International Journal for Numerical Methods in Biomedical Engineering, 27(11), 1740-1750. (Control No: 83483)

Articles in International Conferences (Proceeding Book/Abstract Book):

1. KORKUT UYSAL SILA ÖVGÜ,GÜCÜYENEN NURCAN (2017). A Linearization Method to Benjamin-Bona-Mahony Equations: Analysis and Applications. INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING (Abstract paper)(Control No:4145346)
2. GÜCÜYENEN KAYMAK NURCAN (2016). Convergence of split-step Fourier collocation method for Benjamin-Bona-Mahony Type Equations. 15th International Conference on Analysis and Applications(CMMSE) (Abstract Paper)(Control No:6355293)
3. GÜCÜYENEN NURCAN (2015). Strang Splitting method to Benjamin Bona Mahony Type Equations Analysis and Application. CMMSE 2015 (Full Text Paper)(Control No:2567955)
4. GÜCÜYENEN KAYMAK NURCAN (2013). Convergence of split-step Fourier collocation method for Benjamin-Bona-Mahony Type Equations. The Sixth International Workshop on Differential Equations and applications (Abstract Paper)(Control No:6355312)
5. GÜCÜYENEN KAYMAK NURCAN,TANOĞLU GAMZE (2011). Iterative operator splitting methods for capillary formation in tumor angiogenesis problem: analysis and application. International Conference on Mathematical Methods and Models in Biosciences (Abstract Paper)(Control No:6355287)
6. TAYFUR GÖKMEN,TANOĞLU GAMZE,GÜCÜYENEN KAYMAK NURCAN (2011). Iterative operator splitting method toSolute Transport Model Analsis and Application. 2nd International Symposiumon Computing in Science and Engineering (Full Text Paper)(Control No:1076783)
7. GÜCÜYENEN KAYMAK NURCAN,TANOĞLU GAMZE (2010). On the numerical solution of Korteweg-de Vries equation by the iterative splitting method. International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary (Abstract Paper)(Control No:6355284)
8. GÜCÜYENEN KAYMAK NURCAN,TANOĞLU GAMZE (2010). Iterative operator splitting method for capillary formation model in tumor angiogenesis problem: Analysis and application. 8th AIMS Conference on Dynamical Systems, Differential Equations and Applications (Abstract Paper)(Control No:6355276)