

## Kişisel Bilgiler

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## Araştırma Alanları

Matematik, Temel Bilimler

## Akademik Unvanlar / Görevler

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Matematik Mühendisliği, 2013 - Devam Ediyor

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **An effective computational approach based on Gegenbauer wavelets for solving the time-fractional Kdv-Burgers-Kuramoto equation**  
Seçer A., Özdemir N.  
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2019, no.1, 2019 (SCI İndekslerine Giren Dergi)
- **The Gegenbauer wavelets-based computational methods for the coupled system of Burgers' equations with time-fractional derivative**  
Özdemir N., Seçer A., Bayram M.  
Mathematics, cilt.7, 2019 (SCI İndekslerine Giren Dergi)
- **MODIFIED LAGUERRE WAVELET BASED GALERKIN METHOD FOR FRACTIONAL AND FRACTIONAL-ORDER DELAY DIFFERENTIAL EQUATIONS**  
Seçer A., Özdemir N.  
THERMAL SCIENCE, cilt.23, 2019 (SCI İndekslerine Giren Dergi)
- **A Hermite Polynomial Approach for Solving the SIR Model of Epidemics**  
Seçer A., Özdemir N., Bayram A. M.  
MATHEMATICS, cilt.6, 2018 (SCI İndekslerine Giren Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Numerical Approaches for solving the Coupled System of Burgers' Equations with Time-Fractional Derivative using Gegenbauer wavelets**  
Özdemir N., Seçer A., Bayram M.  
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 12 - 16 Temmuz 2019, ss.202-203
- **Approximate Solutions of Linear and Nonlinear Klein-Gordon Equations**  
Özdemir N., Seçer A.  
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 12 - 16 Temmuz 2019, ss.201
- **An Efficient Legendre Wavelet-Galerkin Based Approximation for the One-Dimensional Heat Equation**  
Özdemir N., Seçer A., Bayram M.  
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 12 - 16 Temmuz 2019, ss.205-211
- **Wavelets Galerkin Method for the Kdv- Burgers- Kuramoto Equation**  
Özdemir N., Seçer A.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 10 Mart 2019, ss.163

- **Galerkin Analysis for Fractional Delay Differential Equations by Modified Laguerre Wavelets**  
 Özdemir N., Seer A.  
 7th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 20 Haziran 2018, ss.167
- **Solution of the Epidemic Model by Hermite Collocation Method**  
 Seer A., Özdemir N.  
 7th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 20 Haziran 2018, ss.315
- **Three-Step Wavelet Galerkin Method for Numerical Solution of PDEs Using Daubechies Wavelets**  
 Özdemir N., Seer A.  
 3rd International Conference on Pure and Applied Sciences, Dubai, Birleşik Arap Emirlikleri, 02 Şubat 2017, ss.20
- **A Numerical Study for Fisher's equation by three-step wavelet Galerkin method**  
 Özdemir N., Seer A., Bayram M.  
 2nd International Conference on Pure and Applied Science, İstanbul, Türkiye, 1 - 05 Haziran 2016, ss.106
- **Generalized polynomial chaos approaches for stochastic system of equations**  
 ÖZDEMİR N., AKINLAR M. A.  
 International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 08 Haziran 2015, ss.241
- **Analysis of chaotic behaviors of random dynamical systems,**  
 Bayram M., Akinlar M. A. , Özdemir N.  
 4th International Conference on Mathematics & Information Science, Cairo, Mısır, 5 - 07 Şubat 2015, ss.51