



**DR. ÖĞR. FATİH ÖZBAĞ
ÜYESİ**

Kişisel Bilgiler

Eposta: fozbag@harran.edu.tr

Birimi : Uygulamalı Matematik

Dahili : 1597

Makaleler (YOKSIS)

- 1 Backward-Propagating Combustion Waves in a Reaction-Diffusion-Convection System**
ÖZBAĞ FATİH
Transport in Porous Media, <https://doi.org/10.1007/s11242-025-02235-8>
- 2 Finite difference method for the fractional order pseudo telegraph integro-differential equation**
MODANLI MAHMUT, ÖZBAĞ FATİH, AKGÜL ALİ
Journal of Applied Mathematics and Computational Mechanics, <http://dx.doi.org/10.17512/jamcm.2022.1.04>
- 3 İlerleyen Yanma Dalgalarının Evans Fonksiyonu İle Spektral Kararlılığı**
Ceylan Kuru Burcu, ÖZBAĞ FATİH
Karadeniz Fen Bilimleri Dergisi, <http://dx.doi.org/10.31466/kfbd.982057>
- 4 Kesirli Mertebeden Pseudo Hiperbolik Diferansiyel Denklemlerin Sonlu Fark Metodu ile Nümerik Çözümleri**
ÖZBAĞ FATİH, MODANLI MAHMUT
Afyon Kocatepe Üniversitesi Fen Ve Mühendislik Bilimleri Dergisi, <http://dx.doi.org/10.35414/akufemubid.1124445>
- 5 Numerical simulations of traveling waves in a counterflow filtration combustion model**
ÖZBAĞ FATİH
Turkish Journal of Mathematics, <http://dx.doi.org/10.55730/1300-0098.3170>
- 6 Numerical Solutions for Mixed Fractional Order Two-Dimensional Telegraph Equations**
ÖZBAĞ FATİH, MODANLI MAHMUT, Abdulazeez Sadeq Taha
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, <https://doi.org/10.17798/bitlisfen.1495657>
- 7 On the stability estimates and numerical solution of fractional order telegraph integro-differential equation**
ÖZBAĞ FATİH, MODANLI MAHMUT

- 7 Physica Scripta,<http://dx.doi.org/10.1088/1402-4896/ac0a2c>
- 8 **Reaksiyon-Konveksiyon-Difüzyon Sisteminde Ters Yönde İlerleyen Dalgaların Kararlılık Analizi**
ÖZBAĞ FATİH,YOKUŞ HACİRE
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi,<https://doi.org/10.21597/jist.1575120>
- 9 **Stability of combustion waves in a simplified gas–solid combustion model in porous media**
ÖZBAĞ FATİH,SCHECTER STEPHEN
Philosophical Transactions of the Royal Society A: Mathematical,Physical and Engineering Sciences,<http://rsta.royalsocietypublishing.org/lookup/doi/10.1098/rsta.2017.0185>
- 10 **Stability of finite difference schemes for two-space dimensional telegraph equation**
MODANLI MAHMUT, ÖZBAĞ FATİH
Pramana - Journal of Physics,<http://dx.doi.org/10.1007/s12043-022-02474-0>
- 11 **Stability of Finite Difference Schemes to Pseudo-Hyperbolic Telegraph Equation**
MODANLI MAHMUT, ÖZBAĞ FATİH
Journal of mathematical sciences and modelling (Online),<https://dergipark.org.tr/tr/download/article-file/2492275>
- 12 **Stability Of The Essential Spectrum of Traveling Waves In Diffusive Holling Type-II Predator-Prey Model**
ÖZBAĞ FATİH
Mathematical Reports,
- 13 **Traveling waves in a simplified gas-solid combustion model in porous media**
ÖZBAĞ FATİH,SCHECTER STEPHEN,CHAPIRO GRİGORİ
Advances in Differential Equations,<http://dx.doi.org/10.57262/ade/1516676483>

Bildiriler (YOKSIS)

- 1 **Classification Of Wave Sequences For Counterflow Combustion Fronts In Reaction-Convection-Diffusion Model**
ÖZBAĞ FATİH
II. International Hazar Scientific Researches Conference ,
<https://cahid.info/pdf/konfrans2021/10042021/ABSTRACTBOOK.pdf>
- 2 **Combustion Waves and Wave Sequences in Porous Media**
ÖZBAĞ FATİH, SCHECTER STEPHEN
KUMU PDE, Dynamical Systems and Applications (Kansas, USA) ,
- 3 **Combustion Waves and Wave Sequences in Porous Media.**
ÖZBAĞ FATİH,SCHECTER STEPHEN
30th Brazilian Colloquium of Mathematics IMPA ,
- 4 **Counterflow Waves in A Combustion Model**
ÖZBAĞ FATİH
5th Ifs And Contemporary Mathematics Conference (IFSCOM 2018) ,

- 5 Difüzyon Terimi Eklenmiş Yanma Modelinde Ters Yönde İlerleyen Dalgaların Spektral Ve Lineer Kararlılığı**
YOKUŞ HACİRE, ÖZBAĞ FATİH
7. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi ,
https://www.erciyeskongresi.org/_files/ugd/614b1f_dc7e202a8077489a8210ed13749a97cf.pdf
- 6 Evans Fonksiyonu ile Ters Yönde İlerleyen Dalgaların Spektrum Analizi**
Ceylan Kuru Burcu, ÖZBAĞ FATİH
International Gobeklitepe Applied Sciences Congress-II ,
https://www.inbak.org/_files/ugd/614b1f_dc196346ea894d628ebc5580d116f12f.pdf
- 7 Existence of Combustion Waves in Porous Media**
ÖZBAĞ FATİH, SCHECTER STEPHEN
3rd International Conference on Applied Mathematics Approximation Theory – AMAT ,
- 8 Gözenekli Ortamda Ters Yönde İlerleyen Yanma Dalgaları**
BARLAS GAMZE, ÖZBAĞ FATİH
Mas European International Congress On Mathematics-Engineering-Natural&Medical Sciences-III ,
https://www.masjournal.co.uk/_files/ugd/614b1f_d02b69bf1dc1450d9a94d4ccb194c32a.pdf
- 9 Spectral Energy Estimates Of Traveling Combustion Waves**
KAMAL BAVEL GUSHAD KAMAL, ÖZBAĞ FATİH
6. Uluslararası Gap Matematik- Muhendislik-Fen Ve Saglik Bilimleri Kongresi ,
https://www.gapzirvesi.org/_files/ugd/614b1f_8c4aaf05ad29493c868235d77a54d711.pdf
- 10 Spectrum Analysis Of Traveling Waves In Predator-Prey Model**
Çelik Dilek, ÖZBAĞ FATİH
9th International Mardin Artuklu Scientific Researches Conference ,
https://www.artuklukongresi.org/_files/ugd/614b1f_afaf433e850a45ef914d79484e2c0a4f.pdf
- 11 Stability Analysis of Combustion Waves in Porous Media**
ÖZBAĞ FATİH, SCHECTER STEPHEN
International Conference on Mathematics and Mathematics Education – ICMME-2017 ,
http://theicmme.org/docs/Abstracts_Book/ICMME-2017_Book_of_Abstracts.pdf