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Personal Information

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Education Information

Doctorate, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, Turkey 2013 - 2018

Post Graduate, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, Turkey 2010 - 2012

Under Graduate, Gazi Üniversitesi, Fen Fakültesi, Matematik, Turkey 2006 - 2010

Certificates, Courses and Trainings

Foreign Language, C1 level certificate, European School of English, 2011

Dissertations

Doctorate, Kesirli Basamaktan Bazı Dinamik Modeller Üzerine, Ankara Üniversitesi, Matematik, Uygulamalı Matematik, 2018

Post Graduate, Lyapunov Tipi Eşitsizlikler, Gazi Üniversitesi, Matematik, Uygulamalı Matematik, 2012

Research Areas

Computer Sciences, bioinformatics, Biocomputing, Biomedical Engineering, Clinical Engineering, Life Sciences, Bioinformatics, Biological Modelling, Mathematics, Computer Science, Differential Equations, Dynamic Systems and Ergodic Theory, Numerical Analysis, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karabük Üniversitesi, Fen Fakültesi, Matematik, 2010 - Continues

Other, Arizona State University, Fen Bilimleri Enstitüsü, Matematik, 2018 - 2018

Research Assistant, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2013 - 2017

Other, Universitaet Kaiserslautern, Fen Bilimleri Enstitüsü, Matematik, 2015 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Can fractional differentiation improve stability results and data fitting ability of a prostate cancer model under intermittent androgen suppression therapy?**
ÖZTÜRK MIZRAK Ö., MIZRAK C., Kashkynbayev A., Kuang Y.
Chaos, Solitons and Fractals, vol.131, 2020 (Journal Indexed in SCI Expanded)
- II. **Can fractional differentiation improve stability results and data fitting ability of a prostate cancer under intermittent androgen suppression therapy?**

ÖZTÜRK MIZRAK Ö.

CHAOS SOLITONS & FRACTALS, vol.-, 2018 (Journal Indexed in SCI)

III. **Fractional analog of a chemical system inspired by Braess' paradox**

ÖZTÜRK MIZRAK Ö., ÖZALP N.

Computational & Applied Mathematics, vol.37, pp.2503-2518, 2018 (Journal Indexed in SCI)

IV. **Fractional Laplace transform method in the framework of the CTIT transformation**

Ozalp N., Mizrak O. O.

Journal of Computational and Applied Mathematics, vol.317, pp.90-99, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Solving the oscillation equation with fractional order damping term using a new Fourier transform method**

ÖZTÜRK MIZRAK Ö., ÖZALP N.

Journal of Advances in Mathematics, vol.13, pp.7393-7397, 2017 (Refereed Journals of Other Institutions)

II. **An intriguing approach to the fractional Mellin transform method**

ÖZTÜRK MIZRAK Ö., ÖZALP N.

Journal of Advances in Mathematics, vol.13, pp.7398-7402, 2017 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **The impact of fractional differentiation in terms of fitting for a prostate cancer model under intermittent androgen suppression therapy**

ÖZTÜRK MIZRAK Ö.

in: Mathematical Modelling in Health, Social and Applied Sciences, Dutta H., Editor, Springer-Verlag, Singapore, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **On forecasting ability of a logistic model for prostate cancer under intermittent androgen suppression therapy**

ÖZTÜRK MIZRAK Ö., MIZRAK C.

ICATCES2019, 26 - 28 April 2019

II. **Introducing the fractional differentiation for clinical data-justified prostate cancer modelling under IAD therapy**

ÖZTÜRK MIZRAK Ö., MIZRAK C., KASHKYNBAYEV A., ÖZALP N., YANG K.

11th International Symposium on Biomathematics and Ecology: Education and Research, Tempe, United States Of America, 5 - 07 October 2018

III. **Prostat Kanseri Modellerinde Androjenlerin Tartışmalı Rolü ve Güncel Tedavi Yöntemlerinin İyileştirilmesi Üzerine**

ÖZTÜRK MIZRAK Ö.

DATA'xx17, Turkey, 2 - 03 December 2017

IV. **Fractional Fourier Transform Method Coupled with the CTIT Transformation**

ÖZTÜRK MIZRAK Ö., ÖZALP N.

MME 2017, 27 - 29 April 2017

V. **Fractional calculus models for some bioengineering problems**

ÖZTÜRK MIZRAK Ö., ÖZALP N.

IECMSA 2016, 16 - 19 August 2016

- VI. **Solving linear fractional differential equations with constant coefficients using Laplace transform method under CTIT transformation**
ÖZTÜRK MIZRAK Ö., ÖZALP N.
ICAA 2016, 12 - 15 July 2016
- VII. **Laplace transform of fractional derivation under CTIT transformation**
ÖZTÜRK MIZRAK Ö., ÖZALP N.
ICAMA 2016, 11 - 13 July 2016
- VIII. **Comparing Two Solution Methods for a Fractional Chemical System Inspired by Braess' Paradox**
ÖZTÜRK MIZRAK Ö., ÖZALP N.
International Conference on Applied Analysis and Mathematical Modeling, 8 - 12 June 2015
- IX. **İleri ve Eksik Yönleriyle Birlikte Terapötik Prostat Kanseri Modelleri**
ÖZTÜRK MIZRAK Ö., ÖZALP N.
11. Ankara Matematik Günleri, Turkey, 26 - 27 May 2016

Scientific Refereeing

Discrete Contin. Dyn. Syst. Ser. S, SCI Journal, December 2018

Citations

Total Citations (WOS):3

h-index (WOS):1