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Personal Information

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International Researcher IDs

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Education Information

Associate Degree, Ataturk University, Açıköğretim Fakültesi, Hukuk Bölümü, Turkey 2017 - 2020

Doctorate, Middle East Technical University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2011 - 2014

Postgraduate, Koc University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2011 - 2011

Undergraduate, Bogazici University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2004 - 2009

Dissertations

Doctorate, On generalized integral inequalities with applications in bio-mathematics and physical sciences, Middle East Technical University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2014

Postgraduate, Decay estimates for the solutions of the linear and nonlinear damped wave equations, Koc University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2011

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - Continues

Research Assistant, Middle East Technical University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2011 - 2015

Academic and Administrative Experience

Ondokuz Mayıs University, 2022 - Continues

Courses

YDI214 İLERİ İNGİLİZCE II, Undergraduate, 2022 - 2023

MAT207 MATEMATİK BİLİŞİM VE TEKNOLOJİ KULLANIMI I, Undergraduate, 2022 - 2023

BİL227 DİFERANSİYEL DENKLEMLER, Undergraduate, 2022 - 2023

YDI 213 İLERİ İNGİLİZCE I, Undergraduate, 2022 - 2023

MAT208 MATEMATİK BİLİŞİM VE TEKNOLOJİ KULLANIMI II, Undergraduate, 2022 - 2023

FMA792 DİNAMİK SİSTEMLER, Doctorate, 2022 - 2023

MAT412 BİLGİSAYAR PROGRAMLAMA II, Undergraduate, 2021 - 2022

TBMAT103 MATEMATİK I, Undergraduate, 2018 - 2019

TBMAT101 MATEMATİK I, Undergraduate, 2018 - 2019

MAT490 BİTİRME ÇALIŞMASI, Undergraduate, 2018 - 2019

TBMAT102 MATEMATİK II, Undergraduate, 2018 - 2019

TBMAT104 MATEMATİK II, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vector-borne disinformation during disasters and emergencies**
Pelen N. N., Golgeli M.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.596, 2022 (SCI-Expanded)
- II. **Diamond alpha Bennett-Leindler type dynamic inequalities and their applications**
Kayar Z., Kaymakçalan B., Pelen N. N.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.45, no.5, pp.2797-2819, 2022 (SCI-Expanded)
- III. **Bennett-Leindler Type Inequalities for Nabla Time Scale Calculus**
Kayar Z., Kaymakçalan B., Pelen N. N.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.18, no.1, 2021 (SCI-Expanded)
- IV. **Parameter identification for gompertz and logistic dynamic equations**
Akin E., Pelen N. N., TİRYAKİ İ. U., YALÇIN F.
PLOS ONE, vol.15, no.4, 2020 (SCI-Expanded)
- V. **Mathematical analysis and numerical simulations for the HSP70 synthesis model**
MERAL G., Pelen N. N.
JOURNAL OF MATHEMATICAL CHEMISTRY, vol.56, no.10, pp.3089-3114, 2018 (SCI-Expanded)
- VI. **NECESSARY AND SUFFICIENT CONDITIONS FOR THE EXISTENCE OF PERIODIC SOLUTIONS IN A PREDATOR-PREY MODEL**
Pelen N. N., Köksal M. E.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2017, 2017 (SCI-Expanded)
- VII. **Necessary and sufficient condition for existence of periodic solutions of predator-prey dynamic systems with Beddington-DeAngelis-type functional response**
Pelen N. N., GÜVENİLİR A. F., Kaymakçalan B.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2016, pp.1-19, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **HARDY-SOBOLEV-MAZYA INEQUALITY FOR NABLA TIME SCALE CALCULUS**
PELEN N. N.
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi b- Teorik Bilimler, vol.7, no.2, pp.133-145, 2019 (Peer-Reviewed Journal)
- II. **Behavior of the Solutions for Predator-Prey Dynamic Systems with Beddington-DeAngelis Type Functional Response on Periodic Time Scales in Shifts**
Pelen N. N., GÜVENİLİR A. F., Kaymakçalan B.
Abstract and Applied Analysis, vol.2016, 2016 (Scopus)
- III. **Stability Analysis of the Periodic Solutions of Some Kinds of Predator-Prey Dynamical Systems**
Pelen N. N.
JOURNAL OF MATHEMATICS, vol.2016, 2016 (ESCI)
- IV. **Impulsive Predator Prey Dynamic Systems with Beddington DeAngelis Type Functional Response on the Unification of Discrete and Continuous Systems**
GÜVENİLİR A. F., KAYMAKÇALAN B., PELEN N. N.
Applied Mathematics, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Buruli Ulcer Modeling, Its Analysis and Numerical Simulations**
PELEN N. N.
JOINT MATHEMATICS MEETINGS 2023, Boston, United States Of America, 4 - 07 January 2023
- II. **Existence, Uniqueness and Permanence of the HSP70 synthesis model**
MERAL G., PELEN N. N.
International Conference on Applied Mathematics, Modeling and Life Sciences, 3 - 05 October 2018
- III. **On the Applications of Impulsive Preadtor-Prey Dynamic Systems**
PELEN N. N.
The 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications, 05 July 2018
- IV. **Bennet and Leindler Type Dynamic Inequalities**
KAYMAKÇALAN B., PELEN N. N.
The 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications, 05 July 2018
- V. **Measure Theory For Nabla Time Scale Calculus**
PELEN N. N.
V. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 05 May 2018
- VI. **Modeling the Growth of Pseudomonas putita by Gompertz Dynamic Equations**
Akın E., PELEN N. N., TİRYAKİ İ. U.
International Symposium on Biomathematics and Ecology Education and Research, 10 August 2017
- VII. **Predator-Prey Systems with Impulses and Beddington-DeAngelis Type Functional Response**
PELEN N. N.
Recent Trends in Pure and Applied Mathematics, 31 July - 04 August 2017
- VIII. **Bennet and Leindler Type Inequalities for Nabla Time Scales Calculus**
PELEN N. N.
IV. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 28 April 2017
- IX. **On the dynamics of predator prey dynamic systems with generalized functional response**
PELEN N. N.
International Conference on Applied Mathematics and Analysis, 11 - 13 July 2016
- X. **Dynamical Properties of the Predator Prey System with Beddington DeAngelis Type Functional Response**
PELEN N. N., GÜVENİLİR A. F., KAYMAKÇALAN B.
III. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 27 - 29 May 2016
- XI. **Some Results on Predator Prey Dynamic Systems with Beddington DeAngelis Type Functional Response**
GÜVENİLİR A. F., KAYMAKÇALAN B., PELEN N. N.
International Conference on Pure and Applied Mathematics, 25 - 28 August 2015
- XII. **Constantin's inequality for nabla and diamond alpha derivative**
GÜVENİLİR A. F., KAYMAKÇALAN B., PELEN N. N.
Progress on Difference Equations 2014, Turkey, 21 - 24 May 2014
- XIII. **Periodic Solution of Predator Prey Dynamic Systems with Beddington DeAngelis Type Functional Response and Impulses**
GÜVENİLİR A. F., KAYMAKÇALAN B., PELEN N. N.
International Congress in Honour of Professor Ravi P. Agarwal, Bolu, Turkey, 23 - 26 July 2014

Supported Projects

- Pelen N. N., Project Supported by Higher Education Institutions, Recent Trends in Pure and Applied Mathematics, 2017 - 2023
- Pelen N. N., Project Supported by Higher Education Institutions, The 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications, 2018 - 2019