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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-4506-2020

Yoksis Researcher ID: 181662

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik Mühendisliği, Turkey
2013 - 2019

Postgraduate, Balikesir University, Institute Of Science, Matematik, Turkey 2011 - 2013

Undergraduate, Balikesir University, Necatibey Faculty Of Education, Ortaöğretim Matematik Öğretmenliği, Turkey 2006 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Optimal Control of Physical Systems Governed by Partial Differential Equations, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2019

Postgraduate, Topolojik Uzaylarda Bazı Sürekli Çoğuł Değerli Fonksiyonlar, Balkesir Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2013

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Mathematics, Optimization, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2023 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2013 - 2023

Research Assistant, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, 2012 -

Courses

Matematik Mühendisliğinde Tasarım Uygulamaları, Undergraduate, 2022 - 2023
Nümerik Analiz-1, Undergraduate, 2022 - 2023
Analiz-2, Undergraduate, 2021 - 2022
Bitirme Çalışması, Undergraduate, 2022 - 2023
Analiz-1, Undergraduate, 2021 - 2022
Bilgisayar Destekli Matematiksel Hesaplamlar, Undergraduate, 2021 - 2022
Gıda Mühendisliğinde Bilgisayar Uygulamaları, Undergraduate, 2020 - 2021
Mühendislik Problemlerinin Matematiksel Modellemesi, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring Evolutionary Algorithms for Multi-Objective Optimization in Seismic Structural Design**
GÖKTEPE KÖRPEOĞLU S., Yılmaz S. M.
Applied Sciences (Switzerland), vol.14, no.21, 2024 (SCI-Expanded)
- II. **Using artificial intelligence to predict students' STEM attitudes: an adaptive neural-network-based fuzzy logic model**
GÖKTEPE KÖRPEOĞLU S., Göktepe Yıldız S.
International Journal of Science Education, vol.46, no.10, pp.1001-1026, 2024 (SSCI)
- III. **Prediction of students' perceptions of problem solving skills with a neuro-fuzzy model and hierarchical regression method: A quantitative study**
Göktepe Yıldız S., GÖKTEPE KÖRPEOĞLU S.
Education and Information Technologies, vol.28, no.7, pp.8879-8917, 2023 (SSCI)
- IV. **Comparative analysis of algorithms with data mining methods for examining attitudes towards STEM fields**
Göktepe Körpeoğlu S., Goktepe Yildiz S.
EDUCATION AND INFORMATION TECHNOLOGIES, vol.28, no.3, pp.2791-2826, 2023 (SSCI)
- V. **Simultaneous multi-objective optimal sizing of energy dissipative steel cushions for transversal loading**
Güllü A., Körpeoğlu S.
International Journal of Structural Stability and Dynamics, vol.22, 2022 (SCI-Expanded)
- VI. **Multi-objective optimal sizing of energy dissipative steel cushions for longitudinal loading**
Gullu A., GÖKTEPE KÖRPEOĞLU S., Selek Kilicarslan E. S.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.63, no.6, pp.2955-2967, 2021 (SCI-Expanded)
- VII. **OPTIMAL VIBRATION CONTROL OF AN ISOTROPIC BEAM THROUGH BOUNDARY CONDITIONS**
GÖKTEPE KÖRPEOĞLU S.
THERMAL SCIENCE, vol.25, 2021 (SCI-Expanded)
- VIII. **Dynamics Response Control of a Mindlin-Type Beam**
Yildirim K., Korpeoglu S., Kucuk I.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.17, no.3, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Prediction of Metacognition Awareness of Middle School Students: Comparison of ANN and ANFIS with Statistical Techniques**

- Göktepe Körpeoğlu S., Göktepe Yıldız S.
European Journal of Science and Technology, no.38, pp.450-461, 2022 (Peer-Reviewed Journal)
- II. **Diffusivity Control of Heat Transfer Process Using Optimality Conditions**
Göktepe Körpeoğlu S.
Avrupa Bilim ve Teknoloji Dergisi, no.25, pp.341-346, 2021 (Peer-Reviewed Journal)
- III. **Optimal control system of a microbeam model with the boundary term**
GÖKTEPE KÖRPEOĞLU S.
Tbilisi Mathematical Journal, 2021 (ESCI)
- IV. **Comparison of Two Mathematics Courses Conducted in Different Ways: Case of Game Theoretical Analysis**
Göktepe Yıldız S., Göktepe Körpeoğlu S.
e-Turkish Studies (elektronik), vol.15, no.4, pp.473-490, 2020 (Peer-Reviewed Journal)
- V. **EXAMINATION OF MIDDLE SCHOOL STUDENTS' INTERESTS IN STEM PROFESSIONS USING EDUCATIONAL DATA MINING**
Göktepe Yıldız S., Göktepe Körpeoğlu S.
The Journal of Academic Social Science Studies, vol.13, no.83, pp.89-106, 2020 (Peer-Reviewed Journal)
- VI. **İlköğretim Matematik Öğretmen Adaylarının Akıllı Tahta Teknolojisi Kullanımı ile İlgili Görüşleri**
Göktepe Yıldız S., Göktepe Körpeoğlu S.
Turkish Studies - Educational Sciences, vol.15, no.5, pp.3339-3357, 2020 (Peer-Reviewed Journal)
- VII. **ORTAOKUL ÖĞRENCİLERİNİN MATEMATİK SINAV KAYGILARI ÜZERİNE BİR ARAŞTIRMA**
Göktepe Körpeoğlu S., Göktepe Yıldız S.
Uluslararası Sosyal Araştırmalar Dergisi / The Journal of International Social Research, vol.13, no.72, pp.610-620, 2020 (Peer-Reviewed Journal)
- VIII. **Optimal Boundary Control for A Second Strain Gradient Theory-based Beam Model**
Göktepe Körpeoğlu S., Küçük İ., Yıldırım K.
Sigma Journal of Engineering and Natural Sciences, vol.37, no.4, pp.1281-1292, 2019 (ESCI)
- IX. **Optimal Control of Advection-Diffusion Process with a Bilinear Control**
Göktepe Körpeoğlu S.
ICOM 2019 Conference Proceedings Book, vol.3, pp.408-416, 2019 (Conference Book)
- X. **A NEW APPROACH FOR ASSESSING TEACHERS' TEACHING METHODS USED IN LESSONS: GAME THEORETIC ANALYSIS**
Göktepe Yıldız S., Göktepe Körpeoğlu S.
Acta Didactica Napocensia, vol.12, no.2, pp.29-44, 2019 (Peer-Reviewed Journal)
- XI. **Optimal Control of a Bilinear System with a Quadratic Cost Functional**
Göktepe Körpeoğlu S., Küçük İ.
Computing Communication Control and automation (ICCUBEAE), 2018 International Conference on, vol.4, 2018 (Conference Book)
- XII. **Exploring pre-service mathematics teachers' understandings of countability and infinity in webquest based learning environment**
GÖKTEPE YILDIZ S., Göktepe Körpeoğlu S.
European Journal of Educational Studies, vol.5, no.1, pp.94-121, 2018 (Peer-Reviewed Journal)
- XIII. **Exploring pre-service mathematics teachers' understandings of countability and infinity in webquest based learning environment**
Göktepe Yıldız S., Göktepe Körpeoğlu S.
European Journal of Education Studies, vol.5, no.1, pp.94-121, 2018 (Peer-Reviewed Journal)
- XIV. **OPTIMAL BOUNDARY CONTROL OF A TIMOSHENKO BEAM VIA MAXIMUM PRINCIPLE**
Göktepe Körpeoğlu S., Yıldırım K., Küçük İ.
Proceedings of the Sixth IASTED International Conference August 16 - 18, 2016 Campinas, Brazil Modelling, Simulation and Identi, vol.6, pp.128-133, 2016 (Conference Book)
- XV. **A Sample Webquest Applicable in Teaching Topological Concepts**
Göktepe Yıldız S., Göktepe Körpeoğlu S.

- International Journal of Education in Mathematics, Science and Technology, vol.4, no.2, pp.133-146, 2015 (ESCI)
- XVI. **The Examination Of Mental Rotation Abilities Of Elementary Mathematics Education And Mathematical Engineering Students**
 Göktepe Yıldız S., Göktepe Körpeoğlu S., Körpeoğlu E.
 TOJET: The Turkish Online Journal of Educational Technology, vol.2, pp.612-618, 2015 (Peer-Reviewed Journal)
- XVII. **A WebQuest Example for Mathematics Education**
 Göktepe Körpeoğlu S.
 Procedia - Social and Behavioral Sciences, vol.116, pp.2175-2179, 2014 (Conference Book)
- XVIII. **On Strongly b^*g -Continuous Multifunctions**
 Açıkgöz A., Göktepe Körpeoğlu S.
 Mathematical Sciences and Applications E-Notes, vol.1, no.2, pp.136-142, 2013 (Peer-Reviewed Journal)
- XIX. **A Type of Continuous Multifunction in Topological Spaces**
 Açıkgöz A., Göktepe Körpeoğlu S.
 American Journal of Mathematics and Statistics, vol.3, no.6, pp.417-420, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **KINETIC ENERGY CONTROL OF A THERMOELASTIC BEAM IN THE DAYLIGHT ZONE**
 Göktepe Körpeoğlu S.
 in: International Research in Math Sciences, Doç. Dr. Tayfun Tutak, Editor, EĞİTİM YAYINEVİ, Konya, pp.7-25, 2022
- II. **Modelling of Sultan Mehmet the Conqueror's Strategies Used during the Conquest of Istanbul by Using Game Theory .**
 GÖKTEPE KÖRPEOĞLU S.
 in: Communication and Digital Media, Arslan H., İcbay M.A., Tomescu M., Editor, E-Bwn, -, pp.85-94, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Multi-Objective Optimal Sizing of SC's considering compressive and tensile deformation using a metaheuristic algorithm**
 Göktepe Körpeoğlu S., Güllü A.
 6th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 21 - 24 June 2022, pp.347-360
- II. **On the Optimal Control of An Isotropic Beam**
 Göktepe Körpeoğlu S.
 4 th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 27 - 30 November 2020, pp.143
- III. **Optimal Control of Advection-Diffusion Process with a Bilinear Control**
 Göktepe Körpeoğlu S.
 3. International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 3 - 05 July 2019, pp.94
- IV. **Optimal Control of a Bilinear System with a Quadratic Cost Functional**
 Korpeoglu S., KÜÇÜK İ.
 4th International Conference on Computing, Communication Control and Automation, ICCUBEA 2018, Pune, India, 16 - 18 August 2018
- V. **Matematik Öğretmen Adaylarının Gözünden Akıllı Tahtaların Kullanışlılığı**
 GÖKTEPE YILDIZ S., GÖKTEPE KÖRPEOĞLU S.
 International Field Education of Material Symposium, İstanbul, Turkey, 03 March 2018
- VI. **Matematik Derslerinde Akıllı Tahta Kullanımının Oyun Teorisi İle Analiz Edilmesi**
 GÖKTEPE YILDIZ S., GÖKTEPE KÖRPEOĞLU S.
 International Field Education of Material Symposium, İstanbul, Turkey, 03 March 2018
- VII. **Öğretmenlerin derslerinde kullandıkları öğretim yöntemlerinin oyun teorisi ile analiz edilmesi.**

- GÖKTEPE KÖRPEOĞLU S., KÖRPEOĞLU E.
 3. Uluslararası Avrasya Eğitim Araştırmaları Kongresi, 01 June 2016
- VIII. **Modelling of Sultan Mehmet the Conqueror's strategies used during the conquest of Istanbul by using game theory**
 GÖKTEPE KÖRPEOĞLU S., KÖRPEOĞLU E.
 X. European Conference on Social and Behavioral Sciences, 01 May 2016
- IX. **Optimal boundary control of a timoshenko beam via maximum principle**
 Korpeoglu S., Yildirim K., KÜÇÜK İ.
 6th IASTED International Conference on Modelling, Simulation and Identification, MSI 2016, Campinas, Brazil, 16 - 18 August 2016, pp.128-133
- X. **Topoloji öğretiminde kullanılabilecek bir webquest örneği**
 Göktepe Körpeoğlu S.
 1 st Eurasian Educational Research Congress, İstanbul, Turkey, 01 April 2014, pp.224
- XI. **A Webquest Example for Mathematics Education**
 GÖKTEPE KÖRPEOĞLU S.
 WCES-2013 5th World Conference on Educational Sciences,Rome-ITALY, 01 February 2013
- XII. **On Some Types of Strongly Continuous Multifunctions**
 GÖKTEPE KÖRPEOĞLU S.
 First International Eurasian Conference on Mathematical Sciences and Applications, 01 September 2012
- XIII. **On Some Strongly Irresolute Multifunctions**
 GÖKTEPE KÖRPEOĞLU S.
 International Congress in Honour of Professor H.M.Srivastava, 01 August 2012
- XIV. **On Upper and Lower Faintly Beta-star-g Continuous Multifunctions**
 GÖKTEPE KÖRPEOĞLU S.
 International Conference on Applied Analysis and Algebra, 01 June 2012

Supported Projects

Göktepe Körpeoğlu S., Gören M., Arslantürk İ., TUBITAK Project, Dijital Oyunlarda Davranış Ağaçları Kullanımı, 2023 - 2024

Filiz A., Göktepe Körpeoğlu S., Göktepe Yıldız S., Project Supported by Higher Education Institutions, Öğretmenlerin yaratıcı düşünme eğilimleri ile matematiksel problem çözmeye yönelik inançlarının yapay zeka ve istatistiksel yöntemlerle incelenmesi, 2023 - 2024

Göktepe Körpeoğlu S., Göktepe Yıldız S., Project Supported by Higher Education Institutions, Yapay zeka ve Matematik Eğitimi: Bibliyometrik Analiz, 2023 - 2024

Göktepe Körpeoğlu S., Allahverdili A., İşlek K., TUBITAK Project, U-Net Mimarisi Kullanılarak Belirlenmiş Beyin Tümörü Mr Görüntülerinin Segmentasyonunun Araştırılması Ve Geliştirilmesi, 2022 - 2023

Göktepe Körpeoğlu S., Çalışkan U. T., TUBITAK Project, Üniversite Sınav Sonucuna Göre Öğrencilerin Yerleşikleri Bölümülerin Tahmini: Yapay Sinir Ağları, Bulanık Mantık Ve Uyarlanabilir Sinir Ağları Tabanlı Bulanık Mantık Kullanılarak Karşılaştırılması, 2022 - 2023

Göktepe Körpeoğlu S., Tuncer R. G., TUBITAK Project, Boylamasına Yükleme İçin Enerji Sönümlerici Çelik Yastıkların Meta-Sezgisel Yöntemler Kullanılarak Optimal Boyutlandırılması, 2022 - 2023

Göktepe Körpeoğlu S., Soydan C., TUBITAK Project, KURŞUN EKSTRÜZYON SÖNÜMLEYİCİLERİN BOYUTSAL OPTİMİZASYONU VE BİNA MİMARİ İŞLETME FONKSİYONLARIyla BARIŞIK BİR GÜÇLENDİRME YAKLAŞIMI, 2021 - 2023
 GÖKTEPE KÖRPEOĞLU S., GÖKTEPE YILDIZ S., Project Supported by Higher Education Institutions, Ortaokul öğrencilerinin STEM alanlarına yönelik tutumlarını etkileyen faktörlerin veri madenciliği yöntemleriyle çözümlenmesi, 2021 - 2022

Scientific Refereeing

EDUCATION AND INFORMATION TECHNOLOGIES, Journal Indexed in SSCI, April 2022

Avrupa Bilim ve Teknoloji Dergisi, Other Indexed Journal, November 2021

Tasks In Event Organizations

Göktepe Körpeoğlu S., 6th International Conference on Modelling, Simulation and Applied Optimization , Scientific Congress, İstanbul, Turkey, Mayıs 2015

Metrics

Publication: 45

Citation (WoS): 7

Citation (Scopus): 35

H-Index (WoS): 2

H-Index (Scopus): 4

Scholarships

Doğrudan Doktora Burs Programı, TUBITAK, 2013 - 2019

Son Sınıf Lisans Öğrencileri için Lisansüstü Burs Programı, TUBITAK, 2011 - 2013

Awards

Göktepe Körpeoğlu S., YTÜ 2021 YAYIN TEŞVİK ÖDÜLÜ, Ytü, December 2022

Göktepe Körpeoğlu S., TÜBİTAK 2022 YAYIN TEŞVİK ÖDÜLÜ, Tübitak, November 2022

Göktepe Körpeoğlu S., TÜBİTAK 2021 YAYIN TEŞVİK ÖDÜLÜ, Tübitak , November 2021

Göktepe Körpeoğlu S., Balıkesir Üniversitesi Anabilim Dalı İkinciliği, Balıkesir Üniversitesi, June 2011