

Asst. Prof. EMRAH KARAMAN

Personal Information

Email: emrahkaraman@karabuk.edu.tr

Web: <https://avesis.karabuk.edu.tr/emrahkaraman>

Education Information

Doctorate, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, Turkey 2012 - 2017

Post Graduate, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, Turkey 2008 - 2010

Under Graduate, Afyon Kocatepe Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Küme Değerli Dönüşümlerin Optimizasyon Yöntemleri, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, 2017

Post Graduate, YÜKSEK MERTEBEDEN FARK DENKLEMLERİNİN SALINIMLILIK DAVRANIŞI, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, 2010

Research Areas

Mathematics, Differential Equations, Optimization, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Karabuk University, Fen Fakültesi, Matematik, 2019 - Continues

Courses

Numerical Analysis, Under Graduate, 2019 - 2020

Temel Bilgisayar Bilimleri, Under Graduate, 2019 - 2020

Linear Algebra and Complex Analysis, Under Graduate, 2019 - 2020

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

I. Some Optimality Criteria of Interval Programming Problems

Karaman E.

Bulletin Of The Malaysian Mathematical Sciences Society, vol.0, no.0, 2020 (Journal Indexed in SCI Expanded)

- II. NONSMOOTH SET VARIATIONAL INEQUALITY PROBLEMS AND OPTIMALITY CRITERIA FOR SET OPTIMIZATION**
Karaman E.
Miskolc Mathematical Notes, vol.21, pp.229-240, 2020 (Journal Indexed in SCI)
- III. Optimality conditions in set-valued optimization problems with respect to a partial order relation by using subdifferentials**
KARAMAN E., Atasever Güvenç İ., Soyertem M.
Optimization, 2020 (Journal Indexed in SCI Expanded)
- IV. Optimality Conditions in Set-valued Optimization Problem with Respect to a Partial Order Relation via Directional Derivative**
KARAMAN E., SOYERTEM M., ATASEVER GÜVENÇ İ.
Taiwanese Journal Of Mathematics, pp.1-14, 2019 (Journal Indexed in SCI)
- V. Partial order relations on family of sets and scalarizations for set optimization**
Karaman E., Soyertem M., Atasever Güvenç İ., Tozkan D., Küçük M., Küçük Y.
Positivity, vol.22, pp.783-802, 2018 (Journal Indexed in SCI)
- VI. A vectorization for nonconvex set-valued optimization**
Karaman E., Güvenç I. A. , Soyertem M., Tozkan D., Küçük M., Küçük Y.
Turkish Journal of Mathematics, vol.42, pp.1815-1832, 2018 (Journal Indexed in SCI)
- VII. Oscillation and Asymptotic Behaviour of a Higher-Order Nonlinear Neutral-Type Functional Differential Equation with Oscillating Coefficients**
YILDIZ M. K. , KARAMAN E., DURUR H.
JOURNAL OF APPLIED MATHEMATICS, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. Optimality Conditions of Interval-Valued Optimization Problems by Using Subdifferentials**
KARAMAN E.
GAZI UNIVERSITY JOURNAL OF SCIENCE, pp.1, 2020 (Refereed Journals of Other Institutions)
- II. Gömme Fonksiyonu Kullanılarak Küme Optimizasyonuna Göre Verilen Küme Değerli Optimizasyon Problemlerinin Optimallik Koşulları**
KARAMAN E.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, pp.105-111, 2019 (Other Refereed National Journals)
- III. Oscillatory Behaviour Of A Higher Order Nonlinear Neutral Type Functional Difference Equation With Oscillating Coefficients**
KARAMAN E., YILDIZ M. K.
Applied Mathematics E-Notes, vol.14, pp.242-249, 2014 (Refereed Journals of Other Institutions)
- IV. Oscillatory Behavior Of A Higher-Order Nonlinear Neutral Type Functional Difference Equation With Oscillating Coefficients**
KARAMAN E., YILDIZ M. K.
APPLIED MATHEMATICS E-NOTES, vol.14, pp.242-249, 2014 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. Generalized Interval-valued Optimization Problems**
KARAMAN E.
International Conference on Mathematics and Its Applications in Science and Engineering(ICMASE 2020), Ankara, Turkey, 9 - 10 July 2020
- II. Comparison the Solutions Between Vector and Set Approaches for Set-valued Optimization Problems**

KARAMAN E.

International Conference on Mathematics and Its Applications in Science and Engineering(ICMASE 2020), Ankara, Turkey, 9 - 10 July 2020

- III. **Normlu Uzaylar Üzerinde Tanımlanan Aralık Değerli Optimizasyon Problemleri ve Optimallik Koşulları**
KARAMAN E.
14. Ankara Matematik Günleri, Turkey, 28 - 29 June 2019
- IV. **Optimality conditions of set-valued optimization problems with respect to l_1 order relation by using Oriented function**
KARAMAN E.
International Workshop on Dynamical Systems and Applications (IWDSA 2019): In Memory of Prof. Dr. Aydın Tiryaki, Turkey, 3 - 04 May 2019
- V. **On Set-valued Optimization Problems with Respect to l_1 order Relation, and Optimality Conditions by Using Subgradients**
KARAMAN E.
International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 10 - 13 March 2019
- VI. **Optimality Conditions of Set-valued Optimization Problems with Respect to m_1 Order Relation and Convexity**
KARAMAN E.
International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 10 - 13 March 2019
- VII. **Partial order relations on the family of sets and optimality conditions for set optimization**
SOYERTEM M., KARAMAN E., ATASEVER GÜVENÇ İ., TOZKAN D., KÜÇÜK M., KÜÇÜK Y.
Fourth International Conference on Set Optimization and Set-Valued Variational Analysis with Applications to Economics, Finance, Statistics, 11 - 15 February 2019
- VIII. **Küme Optimizasyonunda Yeni Sıralama Bağıntısı**
KARAMAN E.
13. ANKARA MATEMATİK GÜNLERİ – AMG 2017, Ankara, Turkey, 27 - 28 April 2018, pp.21
- IX. **On Some Scalarizations for Set Optimizations**
KARAMAN E., SOYERTEM M., ATASEVER GÜVENÇ İ.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING(ICOME 2017), İstanbul, Turkey, 10 - 12 May 2017
- X. **A Directional Derivative And Subdifferentials For Set Valued Maps**
ATASEVER GÜVENÇ İ., KARAMAN E., SOYERTEM M.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING(ICOME 2017), İstanbul, Turkey, 10 - 12 May 2017
- XI. **Partial Order Relations for Set Optimization**
KARAMAN E., SOYERTEM M., ATASEVER GÜVENÇ İ., TOZKAN D., KÜÇÜK M., KÜÇÜK Y.
14th EUROPT 2016 Workshop on Advances in Continuous Optimization, 1 - 02 July 2016, pp.11
- XII. **Nonconvex Vectorization Derived By An Extension Of Gerstewitz s Function**
KARAMAN E., KÜÇÜK M., KÜÇÜK Y., ATASEVER GÜVENÇ İ., SOYERTEM M., TOZKAN D.
13th EUROPT Workshop on Advances in Continuous Optimization, Edinburgh, Saint Helena, 8 - 10 July 2015, pp.53
- XIII. **Yüksek Mertebeden Salınımlı Katsayılı Lineer Olmayan Neutral Tipindeki Bir Fonksiyonel Fark Denkleminin Salınımlılığı**
YILDIZ M. K. , KARAMAN E.
5. Ankara Matematik Günleri, Turkey, 3 - 04 June 2010

Citations

Total Citations (WOS):5

h-index (WOS):1