

Asst. Prof. MUSTAFA SOYERTEM

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAF-5922-2020

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Education Information

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2008 - 2012

Undergraduate, Middle East Technical University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1993 - 1999

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Vektör ve küme değerli dönüşümler için yönlü türev ve uygulamaları, Anadolu University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2012

Academic Titles / Tasks

Assistant Professor, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2013 - Continues

Academic and Administrative Experience

Usak University, 2021 - Continues

Usak University, 2014 - Continues

Usak University, 2015 - 2016

Usak University, 2014 - 2015

Courses

ANALİZ 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2013 - 2014

Küme değerli analizin temel konuları, Doctorate, 2018 - 2019

Sembolik Mantık, Undergraduate, 2018 - 2019

TOPOLOJİYE GİRİŞ 1, Undergraduate, 2018 - 2019, 2016 - 2017, 2013 - 2014

İleri Topoloji, Doctorate, 2018 - 2019
Finans Matematiği, Doctorate, 2018 - 2019
Matematik, Undergraduate, 2018 - 2019
Karar Verme ve Oyun Teorisi, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Reel Analiz 1, Undergraduate, 2018 - 2019
Analiz 3, Undergraduate, 2017 - 2018
Fonksiyonel Analiz 1, Undergraduate, 2013 - 2014
Fonksiyonel Analiz 2, Undergraduate, 2013 - 2014
İstatistik 1, Undergraduate, 2013 - 2014
İstatistik 2, Undergraduate, 2013 - 2014
Topolojiye Giriş 2, Undergraduate, 2013 - 2014
Topolojik Vektör Uzayları 2, Undergraduate, 2013 - 2014

Advising Theses

MUSTAFA S., Küme değerli dönüşümlerin optimizasyon yöntemleri, Doctorate, E.KARAMAN(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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, vol.70, no.3, pp.613-630, 2021 (SCI-Expanded)
- II. **Optimality conditions in set-valued optimization problem with respect to a partial order relation via directional derivative**
Karaman E., SOYERTEM M., Güvenç İ. A.
Taiwanese Journal of Mathematics, vol.24, no.3, pp.709-722, 2020 (SCI-Expanded)
- III. **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, no.3, pp.783-802, 2018 (SCI-Expanded)
- IV. **A vectorization for nonconvex set-valued optimization**
Karaman E., Güvenç İ. A., SOYERTEM M., Tozkan D., Küçük M., Küçük Y.
Turkish Journal of Mathematics, vol.42, no.4, pp.1815-1832, 2018 (SCI-Expanded)
- V. **Some relationships among quasidifferential, weak subdifferential and exhausters**
Küçük M., Urbański R., Grzybowski J., Küçük Y., Atasever Güvenç İ., Tozkan D., SOYERTEM M.
Optimization, vol.65, no.11, pp.1949-1961, 2016 (SCI-Expanded)
- VI. **Weak subdifferential/superdifferential, weak exhausters and optimality conditions**
KÜÇÜK M., Urbański R., Grzybowski J., Küçük Y., Atasever Güvenç İ., Tozkan D., SOYERTEM M.
Optimization, vol.64, no.10, pp.2199-2212, 2015 (SCI-Expanded)
- VII. **Reduction of Weak Exhausters and Optimality Conditions via Reduced Weak Exhausters**
Küçük M., Urbański R., Grzybowski J., Küçük Y., Güvenç İ. A., Tozkan D., SOYERTEM M.
Journal of Optimization Theory and Applications, vol.165, no.3, pp.693-707, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **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, Germany, 11 - 15 February 2019

II. 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

III. Some Vectorizations for Set Relations on Totally Ordered Spaces

SOYERTEM M., ATASEVER GÜVENÇ İ.

INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING (ICOME 2017), İstanbul, Turkey, 10 - 12 May 2017

IV. 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

V. Nonconvex Vectorization Derived by an Extension of Gerstewitz s Function

KARAMAN E., KÜÇÜK M., KÜÇÜK Y., ATASEVER GÜVENÇ İ., SOYERTEM M., TOZKAN D.

13thEUROPT Workshop on Advances in Continuous Optimization, 8 - 10 July 2015

Metrics

Publication: 12

Citation (Scopus): 72

H-Index (Scopus): 6

Non Academic Experience

MILLI EGITIM BAKANLIGI