Dr.Öğr.Üyesi Emine Yaylalı

Kişisel Bilgiler

E-posta: emineyaylali@itu.edu.tr

Uluslararası Araştırmacı ID'leri
ORCID: 0000-0002-6707-9521
ScopusID: 56503991400
Yoksis Araştırmacı ID: 250780

Eğitim Bilgileri

Doktora, North Carolina State University, Operations Research, Amerika Birleşik Devletleri 2010 - 2012
Yüksek Lisans, North Carolina State University, Operations Research, Amerika Birleşik Devletleri 2007 - 2010
Lisans, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Türkiye 2002 - 2007

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Stochastic Multi-agent Models for Alerting Decisions in Public Health, North Carolina State University, Operations Research, 2012
Yüksek Lisans, A Two-Agent Stochastic Alert Threshold Model for Identifying a Potential Disease Outbreak: A Case Study for H1N1, North Carolina State University, Operations Research, 2010

Araştırma Alanları

Sağlık Bilimleri, Tıp, Temel Tıp Bilimleri, Biyoistatistik ve Tıp Bilişimi, Dahili Tıp Bilimleri, Enfeksiyon Hastalıkları ve Klinik Mikrobiyoloji, Teknik Bilimler, Endüstri Mühendisliği, Olasılıklı (Stokastik) Modelleme, Olasılıklı (Stokastik) Süreçler, Eniyileme Kuramı ve Yöntemleri, Tamsayı ve Karışık Tamsayı Programlama, Benzetim

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - Devam Ediyor
Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2016 - 2018
Araştırma Görevlisi, North Carolina State University, Engineering Faculty, Department Of Industrial Engineering, 2007 - 2012

Verdiği Dersler

Introduction to System Analysis, Lisans, 2016 - 2017

Production Planning and Control, Lisans, 2016 - 2017
Introduction to Industrial Engineering, Lisans, 2016 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Cost-effectiveness analysis of fissure sealants for caries prevention in children**
Egil E., Yaylalı E.
JOURNAL OF PUBLIC HEALTH DENTISTRY, cilt.83, sa.1, ss.43-50, 2023 (SCI-Expanded)

II. **Editorial: Interplay between schools and society in the context of infectious disease spread**
GÜÇLÜ H., Yaylalı E.
FRONTIERS IN PUBLIC HEALTH, cilt.10, 2022 (SCI-Expanded)

III. **Productivity losses under various second-line recurrent or metastatic cervical cancer treatment scenarios in the United States.**
Ting J., Ayer T., Dalgic O. O., Erdogan M., Yaylali E., Chhatwal J.
JOURNAL OF CLINICAL ONCOLOGY, cilt.40, sa.16, 2022 (SCI-Expanded)

IV. **Evaluation of Non-Pharmaceutical Interventions for Reducing Contact Rate in COVID-19 Pandemic: R-0 Estimation and Modeling for Istanbul**
MARAL I., Yaylalı E., GÜÇLÜ H., İKİIŞIK H., Guner A. E.
MIKROBIYOLOJI BULTENI, cilt.55, sa.3, ss.389-405, 2021 (SCI-Expanded)

V. **Impact of Improved HIV Care and Treatment on PrEP Effectiveness in the United States, 2016-2020.**
KHURANA N., Yaylali E., FARNHAM P., HICKS K., ALLAIRE B., JACOBSON E., SANSOM S.
Journal of acquired immune deficiency syndromes (1999), cilt.78, ss.399-405, 2018 (SCI-Expanded)

VI. **Optimal allocation of HIV prevention funds for state health departments.**
Yaylali E., FARNHAM P., COHEN S., PURCELL D., HAUCK H., SANSOM S.
PloS one, cilt.13, 2018 (SCI-Expanded)

VII. **From Theory to Practice: Implementation of a Resource Allocation Model in Health Departments**
Yaylali E., FARNHAM P. G., SCHNEIDER K. L., LANDERS S. J., KOUZOUIAN O., LASRY A., PURCELL D. W., GREEN T. A., SANSOM S. L.
JOURNAL OF PUBLIC HEALTH MANAGEMENT AND PRACTICE, cilt.22, sa.6, ss.567-575, 2016 (SSCI)

VIII. **Cost-Effectiveness of Frequent HIV Testing of High-Risk Populations in the United States**
Hutchinson A. B., FARNHAM P. G., SANSOM S. L., Yaylali E., MERMIN J. H.
JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES, cilt.71, sa.3, ss.323-330, 2016 (SCI-Expanded)

IX. **Systems Engineering Methods for Enhancing the Value Stream in Public Health Preparedness: The Role of Markov Models, Simulation, and Optimization**
Yaylali E., Ivy J. S., Taheri J.
PUBLIC HEALTH REPORTS, cilt.129, ss.145-153, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Modeling the effect of public health resources and alerting on the dynamics of pertussis spread**
Yaylali E., Ivy J. S., Uzsoy R., SAMOFF E., Meyer A. M., MAILLARD J. M.
HEALTH SYSTEMS, cilt.5, sa.2, ss.81-97, 2016 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Taxonomy of Mathematical Modeling Studies for Hepatitis C Among Injection Drug Users**
Yaylalı E., Ucler S.
Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE), ELECTR NETWORK, 14 - 15

Ağustos 2020, ss.477-494

II. **Türkiye'de HIV/AIDS Insidans ve Prevelansının Matematiksel Modelleme ile Tahmini, 2005-2030**
YAYLALI E., ERDOĞAN Z. M.
HIV/AIDS Kongresi 2018, Antalya, Türkiye, 15 - 18 Kasım 2018

III. **Cost-effectiveness of Hepatitis C Treatment among persons who inject drugs in Turkey**
YAYLALI E., BAŞLAR E., Üser Ü.
2018 IISE Annual Conference, 19 - 22 Mayıs 2018

IV. **Resource allocation models for HIV prevention**
YAYLALI E.
Northwestern University Prevention Science Methodology Group Grand Rounds, 24 Ekim 2017

V. **Impact of Enhanced HIV Care and Treatment and Delivering PrEP in the United States**
Khurana N., YAYLALI E., Farnham P., Hicks K., Allaire B., Jacobson E., Sansom S.
2017 INFORMS ANNUAL MEETING, 22 - 25 Ekim 2017

VI. **Eliciting Lipid Management Guidelines' Valuation of Future Lifeby Inverse Optimization**
YAYLALI E., Kurt M., Özaltın O.
INFORMS Healthcare 2017, 26 - 28 Temmuz 2017

VII. **COST-EFFECTIVENESS OF HIV SCREENING OF HETEROSEXUALS IN THE UNITED STATES**
Hutchinson A., Hicks K., YAYLALI E., Tucker E., Jacobson E., Sansom S.
Conference on Retroviruses and Opportunistic Infections (CROI), 13 - 16 Şubat 2017

VIII. **Using The HIV Optimization And Prevention Economics HOPE Model For Evaluating HIV Interventions in The United States**
YAYLALI E.
INFORMS Annual Meeting, Nashivelle, TN, Amerika Birleşik Devletleri, 13 - 16 Kasım 2016

IX. **Effects Of Reaching National HIV AIDS Strategy Viral Load Suppression Goal On HIV Incidence By Race And Ethnicity in The United States**
Jacobson E., Hicks K., YAYLALI E., Chen Y. H., Stephanie S.
38th Annual Meeting of Society for Medical Decision Making, Vancouver, Kanada, 23 - 26 Ekim 2016

X. **Impact of improving HIV care and treatment and initiating PrEP in the U S 2015 2020**
YAYLALI E., Farnham P., Allaire B., Wagner D., Hicks K., Honeycutt A., Sansom S.
Conference on Retroviruses and Opportunistic Infections (CROI) 2016, Boston MA, Amerika Birleşik Devletleri, 22 - 25 Şubat 2016

XI. **Calibrating Dynamic Compartmental Models of Human Immunodeficiency Virus in the United States**
Chen Y. H., YAYLALI E., Hicks K., Tucker E., Farnham P., Sansom S.
37th Annual Meeting of Society for Medical Decision Making, St. Louis MI, Amerika Birleşik Devletleri, 18 Ekim 2015 - 21 Ekim 2016

Metrikler

Yayın: 24
Atıf (WoS): 74
Atıf (Scopus): 62
H-İndeks (WoS): 4
H-İndeks (Scopus): 3

Akademi Dışı Deneyim

Kamu Kurumu, Centers For Disease Control And Prevention