

KÜRŞAD TOSUN

E-mail
Ofis

kursad.tosun@neu.edu.tr
Tıp Fakültesi - Giriş Katı 002



EĞİTİM BİLGİLERİ

Doktora	Matematik, Southern Illinois Üniversitesi, Carbondale, IL, USA	Ağustos 2013
Yüksek Lisans	İstatistik, West Virginia Üniversitesi, Morgantown, WV, USA	Ağustos 2010
Yüksek Lisans	Matematik, Bilkent Üniversitesi, Ankara, TÜRKİYE	Ekim 2004
Lisans	Matematik ve Bilgisayar, Çankaya Üniversitesi, Ankara, TÜRKİYE	Haziran 2002

İŞ DENEYİMİ

Yardımcı Doçent	<ul style="list-style-type: none">Yakın Doğu Üniversitesi, Tıp Fakültesi Biyoistatistik Anabilim Dalı, Lefkoşa, KKTCVassar College, Matematik Bölümü, Poughkeepsie, NY, USA	2015-günümüz 2013-2015
Araştırma Görevlisi (teachingasst.)	Southern Illinois Üniversitesi, Matematik Bölümü, Carbondale, IL	2008-2013
Araştırma Görevlisi (researchasst.)	<ul style="list-style-type: none">West Virginia Üniversitesi, Tıp Fakültesi, Kanser Merkezi, WV, USAAtılım Üniversitesi, Matematik Bölümü, Ankara, TÜRKİYE	2005-2008 2002-2005

YAYINLAR

Yayımlanmış Makaleler(ScienceCitationIndex'teyeralandergilerde)

- Stochastic asymptotic stability of SIR model with variable diffusion rates. Schurz H., **Tosun K.** (2015). Journal of Dynamics and Differential Equations, 27-1, 69-82.
- Impact and interactions between smoking and traditional prognostic factors in lung cancer progression. Guo N.L., **Tosun K.**, Horn K. (2009). Lung Cancer, 66-3, 386-392.
- An integrative genomic and proteomic approach to chemosensitivity prediction. Ma Y., Ding Z., Qian Y., Wan Y.W., **Tosun K.**, Shi X., Castra V., Harner E.J., Guo N.L. (2009). International Journal of Oncology, 34(1):107-115.
- Confirmation of gene expression-based prediction of survival in non-small cell lung cancer. Guo N.L., Wan Y.W., **Tosun K.**, Lin H., Msiska Z., Flynn D.C., Remick S.C., Vallyathan V., Dowlati A., Shi X., Castranova V., Beer D.G., Qian Y. (2008). Clinical Cancer Research, 14, 8213-8220.

Değerlendirme veya Hazırlık Aşamasında olan Makaleler

- A mathematical model for Crimean-Congo hemorrhagic fever, **Tosun K.**, Ergonul O. Mathematical Biosciences'e gönderilecek, hazırlık aşamasında.
- Comparison of control policies for bioterrorist smallpox epidemic. **Tosun K.**, Adivar B. Applied Mathematics and Computation'agönderilecek, hazırlık aşamasında.
- Stability of Stochastic SIS model with disease deaths and variable rates. Schurz H., **Tosun K.** Applied Mathematical Modelling, değerlendirme aşamasında.
- Numerical analysis of stochastic SIR and SIS models. Schurz H., **Tosun K.** Applied Mathematics and Computation, değerlendirme aşamasında.

Tezler ve Laboratuvar Kılavuzu

- Qualitative and Quantitative Analysis of Stochastic Models in Mathematical Epidemiology. **Tosun K.** (2013). PhD. Thesis, Southern Illinois Üniversitesi Carbondale, IL, USA. Advisor: Henri Schurz
- Backlund Transformations of Painlevé Equations and Discrete Equations of Painlevé Type. **Tosun K.** (2004). Ms. Thesis, Bilkent Üniversitesi, TÜRKİYE. Advisor: Ugurhan Mugan.
- *A Manual of Mathematica for Calculus*. Baskaya T., Bayezit D., Tosmur N., **Tosun K.** (2005). Atılım Üniversitesi Yayınları, Ankara, TÜRKİYE

AKADEMİK BAŞARI VE ÖDÜLLER

- **Araştırma Komitesi Ödülü**, Vassar College, Güz 2014
- **John M.H. Olmsted Outstanding Teaching Assistant Ödülü**, Southern Illinois Üniversitesi, 2013
- **Eberly College Fellowship**, West Virginia Üniversitesi 2005-2007
- **Eğitim Bursu (%100)**, Bilkent Üniversitesi, 2002-2005
- **Eğitim Bursu (%100)**, Çankaya Üniversitesi, 1997-2002

KONFERANS VE SEMİNER SUNUMLARI

- Analysis of Stochastic SIR model, 6 Şubat 2015; Clarkson University, Potsdam, NY, USA
- Mathematical Models in Epidemiology, 27 Ocak 2015; Ithaca College, Ithaca, NY, USA
- Stochastic Modeling of Infectious Diseases, 24 Mayıs 2014; SUNY-Albany, NY, USA
- Mathematical Epidemiology, International Summer Course on Research Methodology and Ethics in Health Sciences, 25 Haziran 2014, Koç Üniversitesi, TÜRKİYE
- Introduction to R, International Summer Course on Research Methodology and Ethics in Health Sciences, 25 Haziran 2014, Koç Üniversitesi, TÜRKİYE
- Asymptotic Stability of Stochastic SIS Model, 9 Haziran 2014, İzmir Yüksek Teknoloji Enstitüsü
- How to Control a Disease Outbreak Using Mathematics? 10 Nisan 2013; Augustana Collge, IL, USA
- Qualitative Analysis of Stochastic SIR Model with Disease Deaths, AMS Sectional Meeting, 2 Mart 2013, University of Mississippi, Oxford, MS, USA
- Stochastic Lotka-Volterra Systems, Seminar on Stochastic Processes, 23 Mart 2012, University of Kansas, Lawrence, KN, USA

SEYAHAT BURSUYLA İŞTİRAK EDİLEN AKADEMİK TOPLANTILAR

- New England Isolated Statisticians Meeting, 1 Kasım 2014; Boston College, Chestnut Hill, MA, USA
- From Within Host Dynamics to the Epidemiology of Infectious Disease, 7-11 Nisan 2014; Mathematical Biosciences Institute, The Ohio State University, Columbus, OH, USA
- AMS Sectional Meeting, 30 Mart -1 Nisan 2012; University of Kansas, Lawrence, KS, USA
- Large Data Sets in Medical Informatics, 14-18 Kasım 2011, 2011; Institute for Mathematics and its Applications, University of Minnesota, Minneapolis, MN, USA
- 33rd Midwest Probability Colloquium, 13-15 Ekim 2011; Northwestern University, Evanston, IL, USA
- Mathematical Epidemiology with Applications, 25-29 Temmuz 2011; East Tennessee State University
- Seminar on Stochastic Processes, 23-26 Mart 2011; University of California Irvine, Irvine, CA, USA
- Study Weeks on Inverse Spectral Transform and Soliton Theory, 31 Mayıs-11 Haziran 2004; TÜBİTAK Feza Gürsey Enstitüsü, İstanbul, TÜRKİYE

POSTER SUNUMLARI

- Impact of Smoking in Lung Cancer Progression, 15 Kasım 2011, Large Data Sets in Medical Informatics, IMA, University of Minnesota, Minneapolis, MN, USA
- An Accurate Chemosensitivity Prediction, 29 Nisan 2008, Department of Community Medicine Annual Poster Presentation, West Virginia University, Morgantown, WV, USA
- An Accurate Predictor of Survival in Non-Small Cell Lung Cancer: 35-Gene Signature, 22-23 Nisan 2008, Health Science Center Research Day, West Virginia University, Morgantown, WV, USA

DERS TECRÜBESİ

Yakın Doğu Üniversitesi	Applied Regression Using R, <i>Güz 2015</i> Probability Theory, <i>Güz 2015</i> Calculus I, <i>Güz 2015</i> Linear Algebra, <i>Güz 2015</i>
Muğla Üniversitesi	Calculus I, <i>Yaz 2015</i>
Vassar College	Probability Models, <i>Güz 2014</i> Introduction to Statistics, <i>Bahar 2014, Bahar 2015</i> Mathematical Statistics, <i>Bahar 2014</i> Linear Algebra, <i>Bahar 2015</i> Multivariable Calculus, <i>Güz 2013, Güz 2014</i>
Southern Illinois Üniversitesi	Statistics, <i>Spring 2013, Yaz 2013</i> Differential Equations, <i>Güz 2012</i> Short Course in Calculus, <i>Güz 2008 & 2009, Bahar 2009, Yaz 2010</i> Pre-Calculus, <i>Güz 2011</i> Trigonometry and Analytic Geometry, <i>Yaz 2011</i> College Algebra, <i>Bahar 2010, Güz 2010</i>
Atılım Üniversitesi	Calculus I & II, <i>2002 – 2005</i> (ders asistanı - problem çözme saati)

BİLİMSEL KURULUŞLARA ÜYELİKLER

- American Statistical Association
- Society of Mathematical Biology
- American Mathematical Society

SOSYAL PROJELERDEKİ GÖREVLER

- Hakem, The Illinois Junior Academy of Science Region 8 Bilim Fuarı , 2012 and 2013
- Gönüllü, Math Field Day, Department of Mathematics SIUC, 2008–2013
- Başkan, Turkish Student Association, Southern Illinois University, 2009
- Gönüllü, American Cancer Society