

# Asst. Prof. SEMA DİKMENOĞLU

## Personal Information

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## Education Information

Doctorate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, Turkey 1992 - 1997

Post Graduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, Turkey 1986 - 1991

Under Graduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, Turkey 1982 - 1986

## Foreign Languages

English, B1 Intermediate

## Certificates, Courses and Trainings

Education Management and Planning, Öğretmenlik Sertifikası (Lise), Fatih Eğitim Fakültesi, 1986

## Dissertations

Doctorate, İki Yansıtın Bariyerli Yarı-Markov Rastgele Yürüyüş Süreci, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, 1997

Post Graduate, Mercerian Teoremleri, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, 1991

## Research Areas

Mathematics, Sequences, Series, Summability, Functional Analysis, Probability Theory, Stochastic Processes, Special Functions, Natural Sciences

## Academic Titles / Tasks

Karadeniz Technical University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Matematik Bölümü, 2000 - 2018

Research Assistant PhD, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, 1997 - 2000

Research Assistant, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, 1990 - 1997

## Professional Experience

Deputy Head of Department, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, 2000 - 2006

## Courses

GENEL TOPOLOJİ, Under Graduate, 2018 - 2019

MANİFOLDLAR ÜZERİNE ANALİZ, Post Graduate, 2018 - 2019  
MATEMATİK II, Under Graduate, 2014 - 2015  
ANALİZ IV, Under Graduate, 2014 - 2015  
KOMPLEKS ANALİZ, Under Graduate, 2015 - 2016  
MATEMATİK I, Under Graduate, 2015 - 2016  
MÜHENDİSLİK MATEMATİĞİ, Under Graduate, 2013 - 2014  
ANALİZ III, Under Graduate, 2013 - 2014  
GENEL MATEMATİK, Under Graduate, 2013 - 2014  
ANALİZ II, Under Graduate, 2012 - 2013  
ANALİZ I, Under Graduate, 2012 - 2013  
İLERİ MATEMATİK I, Under Graduate, 2006 - 2007  
OLASILIK, Under Graduate, 2006 - 2007  
İSTATİSTİK VE OLASILIĞA GİRİŞ II, Under Graduate, 2005 - 2006  
İSTATİSTİK VE OLASILIĞA GİRİŞ I, Under Graduate, 2005 - 2006  
MATEMATİK İSTATİSTİK, Under Graduate, 2004 - 2005  
MATEMATİK V, Under Graduate, 2005 - 2006

## Articles Published in Other Journals

- **New Integral Inequalities via Harmonically Convex Functions**  
İşcan İ., Aydın M., DİKMENOĞLU S.  
Mathematics and Statistics, vol.3, no.5, pp.134-140, 2015 (Refereed Journals of Other Institutions)
- **On The Weak Convergence In The Generalized Model of Type (s,S)**  
Khaniev T. A. , DİKMENOĞLU S.  
Probability Theory and Mathematical Statistics, Kyiv- UKRAINE, vol.9, no.9, pp.52-58, 2002 (Refereed Journals of Other Institutions)
- **The Limit Theorem For The Semi-Markov Random Walk Process With Two Reflecting Barriers**  
Nasirova T. I. , Yapar C., Dikmenoğlu S.  
Bulletin of The International Statistical Institute (ISI), Voorburg NETHERLANDS, vol.57, no.2, pp.573-574, 1997 (Refereed Journals of Other Institutions)
- **On The Ergodicity of A Semi-Markovian Random Walk Process With Reflecting and Delaying Barriers**  
Khaniev T. A. , ÜNVER İ., Maden S., DİKMENOĞLU S.  
Bulletin of The International Statistical Institute (ISI), Voorburg NETHERLANDS, vol.57, no.2, pp.245-246, 1997 (Refereed Journals of Other Institutions)
- **The Limit Theorem For The Semi-Markov Random Walk Process With Reflecting Barrier On The  $a(a>0)$ -Level**  
Nasirova T. I. , Yapar C., DİKMENOĞLU S.  
News of Academy Sciences of Azerbaijan Ser. of Fiz.-Tech. and Mathematical Sciences, BAKU, vol.17, no.6, pp.23-28, 1997 (Refereed Journals of Other Institutions)
- **On The Ergodicity of A Semi-Markovian Random Walk Process With Two Reflecting Barriers**  
Khaniev T. A. , ÜNVER İ., DİKMENOĞLU S.  
News of Academy Science of Azerbaijan Ser. of Fiz.-Tech. and Mathematical Sciences, BAKU, vol.17, pp.76-84, 1997 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- **On The Weak Convergence In The Generalized Model of Type (s,S)**  
Khaniev T. A. , DİKMENOĞLU S.  
The International Conference: Stochastic Analysis and its Applications, Lviv, Ukraine, 10 - 17 June 2001, vol.9, pp.52-58
- **On The Ergodicity of A Semi-Markovian Random Walk Process With Reflecting and Delaying Barriers**  
Khaniev T. A. , ÜNVER İ., Maden S., DİKMENOĞLU S.

The 51 st Session of The International Statistical Institute (ISI), Devlet İstatistik Enstitüsü, İstanbul, Turkey, 18 - 26 August 1997, vol.2, pp.245-246

- **The Limit Theorem For The Semi- Markov Random Walk Process With Two Reflecting Barriers**

Yapar C., DİKMENOĞLU S., Nasirova T. I.

The 51 st Session of The International Statistical Institute (ISI), Devlet İstatistik Enstitüsü, İstanbul, Turkey, 18 - 26 August 1997, vol.2, pp.573-574

- **On The Ergodic Distribution Function of A Semi-Markovian Random Walk Process With Two Reflecting Barriers**

DİKMENOĞLU S., ÜNVER İ.

I. Kızılırmak Fen Bilimleri Kongresi, Kırıkkale Üniversitesi., Kırıkkale, Turkey, 14 - 16 May 1997, vol.-, pp.1-16

- **On The Ergodicity of A Semi-Markovian Random Walk Process With Two Reflecting Barriers**

DİKMENOĞLU S., Khaniev T. A. , ÜNVER İ.

Sakarya Matematik Sempozyumu, Sakarya Üniversitesi, Sakarya, Turkey, 19 - 21 September 1996, no.1, pp.143-154

## **Invited Congress and Symposium Activities**

I. Kızılırmak Fen Bilimleri Kongresi, Kırıkkale Üniversitesi., Attendee, Kırıkkale, Turkey, 1997

Sakarya Matematik Sempozyumu, Sakarya Üniversitesi, Attendee, Sakarya, Turkey, 1996

## **Awards**

DİKMENOĞLU S., Fen Edebiyat Fakültesi Matematik Bölümü-Bölüm Birinciliği, Karadeniz Teknik Üniversitesi, August 1986

DİKMENOĞLU S., Prof. Dr. Nazım Terzioğlu Özel Matematik Ödülü, Prof. Dr. Tosun Terzioğlu, January 1984