

## Asst. Prof. SEMA DİKMENOĞLU

### Personal Information

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### Education Information

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

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

Undergraduate, 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

Postgraduate, 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

### Academic and Administrative Experience

## Courses

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

## Articles Published in Other Journals

- I. **New Integral Inequalities via Harmonically Convex Functions**  
İşcan İ., Aydın M., DİKMENOĞLU S.  
Mathematics and Statistics, vol.3, pp.134-140, 2015 (Refereed Journals of Other Institutions)
- II. **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, pp.52-58, 2002 (Refereed Journals of Other Institutions)
- III. **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, pp.573-574, 1997  
(Refereed Journals of Other Institutions)
- IV. **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, pp.245-246, 1997  
(Refereed Journals of Other Institutions)
- V. **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 Akademy Sciences of Azerbaijan Ser. of Fiz.-Tech. and Mathematical Sciences, BAKU, vol.17, pp.23-28, 1997  
(Refereed Journals of Other Institutions)
- VI. **On The Ergodicity of A Semi-Markovian Random Walk Process With Two Reflecting Barriers**  
Khaniev T. A. , ÜNVER İ., DİKMENOĞLU S.  
News of Akademy 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

- I. **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
- II. **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
- III. **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
- IV. **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
- V. **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

## Edit 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