

MEHMET SEZER

PROFESÖR



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Öğrenim Bilgisi

Doktora 1978 16/Haziran/1982	EGE ÜNİVERSİTESİ/FEN BİLİMLERİ ENSTİTÜSÜ/MATEMATİK (DR)/ Tez Adı: Parabolik kısmi türevli diferansiyel denklemlerle ilgili Cauchy probleminin çözümleri üzerine (1982) Tez Danışmanı: (PROF. DR. Süeda Moralı)
Yüksek Lisans 1973 30/Eylül/1977	EGE ÜNİVERSİTESİ/FEN BİLİMLERİ ENSTİTÜSÜ/MATEMATİK (YL)/ TEZLİ Tez Adı: Lorentz dönüşümleri ve özel göreliliği (1977) Tez Danışmanı: (PROF. DR. Süeda Moralı)
Lisans 1972 1/Ocak/1976	EGE ÜNİVERSİTESİ/ FEN FAKÜLTESİ/MATEMATİK BÖLÜMÜ/MATEMATİK PR./

Akademik Görevler

PROFESÖR 2012 – 2021?	MANİSA CELAL BAYAR ÜNİVERSİTESİ/FEN EDEBİYAT FAKÜLTESİ / MATEMATİK BÖLÜMÜ / UYGULAMALI MATEMATİK BİLİM DALI
PROFESÖR 2004 – 2012	MUĞLA ÜNİVERSİTESİ / FEN FAKÜLTESİ / MATEMATİK BÖLÜMÜ / UYGULAMALI MATEMATİK BİLİM DALI
PROFESÖR 1995 – 2002	DOKUZ EYLÜL ÜNİVERSİTESİ, BUCA EĞİTİM FAKÜLTESİ, EĞİTİM FAKÜLTESİ / MATEMATİK EĞİTİMİ ANABİLİM DALI
DOÇENT 1989 – 1995	DOKUZ EYLÜL ÜNİVERSİTESİ, BUCA EĞİTİM FAKÜLTESİ, EĞİTİM FAKÜLTESİ / MATEMATİK EĞİTİMİ ANABİLİM DALI

YARDIMCI DOÇENT
1986 – 1989

DOKUZ EYLÜL ÜNİVERSİTESİ, BUCA EĞİTİM FAKÜLTESİ, EĞİTİM FAKÜLTESİ /
MATEMATİK EĞİTİMİ ANABİLİM DALI

YARDIMCI DOÇENT
1983 – 1986

ULUDAĞ ÜNİVERSİTESİ / EĞİTİM FAKÜLTESİ / EĞİTİM FAKÜLTESİ, EĞİTİM
FAKÜLTESİ / MATEMATİK EĞİTİMİ ANABİLİM DALI

Yönetilen Tezler

Yüksek Lisans

2022

1. ÇİVELEK ARİF, (2022). Charlier polinomlarının temel matris özellikleri ve fonksiyonel integro diferansiyel denklemlere uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2021

2. YILDIZ GÖKÇE, (2021). Fonksiyonel gecikmeli Volterra-Fredholm tipi integro-diferansiyel denklemler sisteminin Bell polinomlarına dayalı çözümleri, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2019

3. ÇAYAN SEDA, (2019). Lerch ve Pell polinomlarının matris özellikleri ve lineer kısmi diferansiyel denklemlere uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2018

4. ŞAŞMAZ EZGİ, (2018). Bernoulli ve Euler polinomlarının matris özellikleri ve gecikmeli integro diferansiyel denklemlere uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

5. AYKUTALP ELİF ZİNNUR, (2018). Fonksiyonel diferansiyel, integral ve integro-diferansiyel denklemlerin Boubaker polinom çözümleri ve uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2017

6. YILDIZHAN İCLAL (2017). Dickson polinomlarının matris özellikleri ve pantograph tip fonksiyonel denklemlere uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

7. ŞAHİN MELİKE, (2017). Fredholm tipindeki fonksiyonel integro-diferansiyel denklemlerin Pell-Lucas polinom çözümleri ve uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

8. MOLLAOĞLU TUĞÇE, (2017). Volterra tipi gecikmeli fonksiyonel integro-diferansiyel denklemler için Gegenbauer Polinom Yaklaşımı, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2016

9. TÜRKYILMAZ BENGÜ, (2016). Lineer fonksiyonel diferansiyel denklemlerin Morgan-Voyce polinom çözümleri ve uygulamaları, Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı -> Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2014

10. AYDINYÜZ SÜLEYMAN, (2014). Lineer diferansiyel, diferansiyel fark, integral ve integro diferansiyel denklemlerin Müntz-Legendre polinom çözümleri, Muğla Sıtkı Koçman Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2011

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11. ÇAY SEHER, (2011). Bernoulli polinomlarının matris özellikleri ve integro-diferansiyel denklemlere uygulamaları, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2010
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12. DURMUŞ DEMET, (2010). Ortogonal polinomların matris özellikleri ve bazı uygulamaları, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2009
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13. SARI HASAN EMRE, (2009). Diferansiyel denklemlerin Laguerre polinom çözümleri, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2008
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14. KÜÇÜKŞAHİN EVRİM, (2008). Birinci mertebeden bazı lineer olmayan diferansiyel denklemlerin Taylor polinom çözümleri, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2007
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15. ALBAYRAK FATMA, (2007). Chebyshev polinomlarının matris özellikleri ve yüksek mertebeden lineer diferansiyel denklemlere uygulaması, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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16. KABAKCI FİLİZ, (2007). Lineer diferansiyel, integral ve integro diferansiyel denklemlerin legendre polinom çözümleri, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2003
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17. ÖZCAN BÜLENT NURİ, (2003). İlköğretim ikinci kademede ödev ve projenin matematik başarısına etkisi, Dokuz Eylül Üniversitesi->Eğitim Bilimleri Enstitüsü->İlköğretim Matematik Öğretmenliği Anabilim Dalı (Tamamlandı)
- 2002
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18. ELÇİ AYSUN NÜKET, (2002). Ortaöğretim matematik öğretiminde öğretmen davranışlarının başarıya etkisi, Dokuz Eylül Üniversitesi->Eğitim Bilimleri Enstitüsü->İlköğretim Matematik Öğretmenliği Anabilim Dalı (Tamamlandı)
- 2000
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19. BOZACI ENGİN, (2000). Değişken katsayılı diferansiyel denklemler, Balıkesir Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı (Tamamlandı)
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20. SUZAN VOLKAN, (2000). Diferansiyel denklemlerin Lie grup analizi üzerine, Dokuz Eylül Üniversitesi->Eğitim Bilimleri Enstitüsü->İlköğretim Matematik Öğretmenliği Anabilim Dalı (Tamamlandı)
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21. AKYÜZ AYŞEGÜL, (1997). Chebyshev collocation method for solution of linear integro-differential equations, Dokuz Eylül Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı (Tamamlandı)
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22. KEŞAN CENK, (1996). Polynomial solutions of certain differential equations, Dokuz Eylül Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı (Tamamlandı)
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23. KARAME TE AYŞEN, (1996). Lineer diferansiyel denklemlerin yaklaşık çözümü için Taylor sıralama yöntemi, Balıkesir Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Eğitimi Anabilim Dalı (Tamamlandı)
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24. DOLAPÇI TİMUÇİN, (1996). Lineer diferansiyel denklemlerin yaklaşık çözümü için Chebyshev-sıralama yöntemi, Dumlupınar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı (Tamamlandı)
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25. KAYNAK MEHMET, (1994). Chebyshev polynomial solution of linear differential and integral equations, Dokuz Eylül Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Eğitimi Ana Bilim Dalı (Tamamlandı)

Doktora

2024

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26. ÖZALP TUĞÇE, (2024). Yüksek mertebeden değişken sınırlı gecikmeli neutral tip fonksiyonel integro-diferansiyel denklemlerin Gegenbauer polinom çözümleri, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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27. AYKUTALP ELİF ZİNNUR (2024). Yüksek mertebeden değişken katsayılı neutral fonksiyonel diferansiyel denklemlerin Boubaker seri yaklaşımları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

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28. ÇAYAN SEDA, (2023). Bazı mekanik problemlerin matris yöntemleri ile sayısal çözümleri, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

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29. BAŞAR ÜLKER, (2022). Özel polinomlar sınıfının işlemsel matris özellikleri ve gecikmeli integro diferansiyel denklemlere uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

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30. KÜRKÇÜ ÖMÜR KIVANÇ, (2019). Dickson ve graph-matching polinomlarının temel matris özellikleri ve fonksiyonel integro-diferansiyel denklemlere uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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31. YALÇIN ELİF, (2019). İki değişkenli kısmi integro diferansiyel denklemlerin Hermite polinomlarına dayalı nümerik çözümleri ve uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

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32. OĞUZ CEM, (2017). Delay integro-diferansiyel denklem sistemlerinin sayısal çözümleri ve uygulamaları için Chelyshkov matris metodu, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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33. KURT BAŞI AYŞE, (2017). Kısmi diferansiyel denklemlerin nümerik çözümleri için Fibonacci sıralama (Collocation) metodu ve residüel hata analizi, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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34. GÜRBÜZ BURCU, (2017). Kısmi fonksiyonel integro diferansiyel denklemlerin Laguerre polinomlarına dayalı nümerik çözümleri ve uygulamaları, Manisa Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2016

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35. GÖK EMRAH, (2016). Gecikmeli diferansiyel denklem sistemlerinin yaklaşık çözümleri için Müntz-Legendre sıralama yöntemi, Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2015

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36. ÇETİN MUHAMMED, (2015). Sabit genişlikli eğriler ve küresel eğrilerin diferansiyel karakterizasyonları, Celal Bayar Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)

2014

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37. GÖKMEN ELÇİN, (2014). Yüksek mertebeden değişken katsayılı diferansiyel-fark denklem sistemlerinin yaklaşık çözümleri için Taylor sıralama yöntemi Muğla Sıtkı Koçman Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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38. AYDIN TUBA, (2014). En - uzayında sabit genişlikli ve küresel eğrileri karakterize eden diferansiyel denklemler ve çözümleri, Muğla Sıtkı Koçman Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2012
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39. KEMANCI BAYRAM, (2012). İkinci mertebeden kısmi diferansiyel denklemlerin legendre polinom çözümleri ve uygulamaları, Muğla Sıtkı Koçman Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2011
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40. BÜLBÜL BERNA, (2011). İkinci mertebeden kısmi diferansiyel denklemlerin Taylor polinom çözümleri, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
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41. YÜKSEL GAMZE, (2011). İkinci mertebe lineer kısmi diferansiyel denklemlerin Chebyshev polinom çözümleri, Muğla Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Anabilim Dalı->Uygulamalı Matematik Bilim Dalı (Tamamlandı)
- 2001
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42. KARAME TE AYŞEN, (2001). Yüksek mertebeden lineer integro diferansiyel denklem sistemlerinin yaklaşık çözümü için Taylor sıralama yöntemi, Balıkesir Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Eğitimi Ana Bilim Dalı (Tamamlandı)
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43. KEŞAN CENK, (2001). Chebyshev polynomial solutions of second order linear partial differential equations, Dokuz Eylül Üniversitesi->Eğitim Bilimleri Enstitüsü->Ortaöğretim Fen ve Matematik Alanları Eğitimi Ana Bilim Dalı (Tamamlandı)
- 2000
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44. AKYÜZ DAŞCIOĞLU AYŞEGÜL, (2000). Doğrusal integro diferansiyel denklem sistemlerinin Chebyshev sıralama yöntemi ile yaklaşık çözümleri, Dokuz Eylül Üniversitesi->Eğitim Bilimleri Enstitüsü->Matematik Eğitimi Ana Bilim Dalı (Tamamlandı)
- 1999
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45. MORALI SEVGİ, (1999). A New way to obtain designs using graphs, Dokuz Eylül Üniversitesi->Eğitim Bilimleri Enstitüsü->Matematik Eğitimi Ana Bilim Dalı (Tamamlandı)
- 1998
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46. YALÇINBAŞ SALİH, (1998). Taylor polynomial solutions of Volterra-Fredholm integral and integro-differential equations, Dokuz Eylül Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Eğitimi Ana Bilim Dalı (Tamamlandı)
- 1997
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47. NAS ŞENNUR, (1997). Diferansiyel, integral ve integro diferansiyel denklemlerin yaklaşık çözümü için Taylor matris yöntemi ve fizikte uygulamaları, Uludağ Üniversitesi->Fen Bilimleri Enstitüsü->Fizik Ana Bilim Dalı (Tamamlandı)
- 1995
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48. KÖROĞLU HAYRETTİN, (1995). Chebyshev series solution of integro differential equations, Dokuz Eylül Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Eğitimi Ana Bilim Dalı (Tamamlandı)
- 1994
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49. DOĞAN SETENAY, (1994). Lineer olmayan integral denklemlerin Chebyshev yöntemiyle çözümleri, Uludağ Üniversitesi->Fen Bilimleri Enstitüsü->Matematik Ana Bilim Dalı (Tamamlandı)

Projelerde Yaptığı Görevler

1. Sabit Genişlikli Eğrilerin Analizi ve Uygulama Kapsamının Ön Araştırması, -Tübitak 1002, Bursiyer: SEDA ÇAYAN, Araştırmacı: ABDULLAH MAĞDEN, Yürütücü: TUBA AĞIRMAN AYDIN, Araştırmacı: MEHMET SEZER, Araştırmacı: HÜSEYİN KOCAYİĞİT, , 15/12/2019-07/04/2021 (ULUSAL)
2. Fen ve mühendislik alanlarında karşılaşılan lineer olmayan başlangıç ve sınır değer problemlerinin bir sınıfının polinom çözümleri, Manisa Celal Bayar Üniversitesi Bilimsel Araştırmalar Birimi, Hızlı Proje, referans no: 2014-148, Araştırmacı; Burcu GÜRBÜZ, Yürütücü; Mehmet SEZER, 2014-2015 (ULUSAL)
3. Kısmi fonksiyonel integro diferansiyel denklemlerin Laguerre polinomlarına dayalı nümerik çözümleri ve uygulamaları, Manisa Celal Bayar Üniversitesi Bilimsel Araştırmalar Birimi, Doktora Tez Projesi, referans no: 2014-151, Araştırmacı; Burcu GÜRBÜZ, Yürütücü; Mehmet SEZER, 2014-2017 (ULUSAL)

İdari Görevler

Anabilim Dalı Başkanı 2018-2021	CELAL BAYAR ÜNİVERSİTESİ/ FEN EDEBİYAT FAKÜLTESİ/MATEMATİK BÖLÜMÜ/UYGULAMALI MATEMATİK ANABİLİM DALI
Yönetim Kurulu Üyesi 2015-2021	CELAL BAYAR ÜNİVERSİTESİ/ FEN BİLİMLERİ ENSTİTÜSÜ
Bölüm Başkanı 2012-2015	CELAL BAYAR ÜNİVERSİTESİ/FEN EDEBİYAT FAKÜLTESİ/MATEMATİK BÖLÜMÜ
Anabilim Dalı Başkanı 2012-2015	CELAL BAYAR ÜNİVERSİTESİ/ FEN EDEBİYAT FAKÜLTESİ/MATEMATİK BÖLÜMÜ/UYGULAMALI MATEMATİK ANABİLİM DALI
Yönetim Kurulu Üyesi 2011-2012	MUĞLA ÜNİVERSİTESİ/FEN FAKÜLTESİ/
Etik Üst Kurul Üyesi 2010-2012	MUĞLA ÜNİVERSİTESİ
Yönetim Kurulu Üyesi 2009-2012	MUĞLA ÜNİVERSİTESİ/FEN BİLİMLERİ ENSTİTÜSÜ
Bölüm Başkanı 2005-2012	MUĞLA ÜNİVERSİTESİ/FEN FAKÜLTESİ/MATEMATİK BÖLÜMÜ
Yönetim Kurulu Üyesi 2001-2002	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ
BEF Bülteni Koordinatörü 2001-2002	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ
Dekan Yardımcısı 1999-2002	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ
Yaz öğretimi, Sınıf Öğretmenliği ve Matematik Öğretmenliği	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ

Sertifika Programı Yöneticisi ve Koordinatörü 1999-2001	
Yönetim Kurulu Üyesi 1998-2001	DOKUZ EYLÜL ÜNİVERSİTESİ/ EĞİTİM BİLİMLERİ ENSTİTÜSÜ
Yayın Kurulu Üyesi 1993-2002	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ
Yönetim Kurulu Üyesi 1998	DOKUZ EYLÜL ÜNİVERSİTESİ BUCA EĞİTİM VAKFI
Bölüm Başkanı 1998-1999	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ/ORTAÖĞRETİM FEN VE MATEMATİK ALANLAR EĞİTİMİ BÖLÜMÜ
Yurtdışı Öğrenci İzleme ve Değerlendirme Komisyonu Üyesi 1996-2002	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ
Bölüm Başkanı 1996-1998	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ/MATEMATİK EĞİTİMİ ANABİLİM DALI
Anabilim Dalı Başkanı 1995	DOKUZ EYLÜL ÜNİVERSİTESİ/BUCA EĞİTİM FAKÜLTESİ/FEN BİLİMLERİ EĞİTİMİ BÖLÜMÜ/MATEMATİK EĞİTİMİ ANABİLİM DALI

Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler:

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2. ÇAYAN SEDA, SEZER MEHMET (2020). An Approximate Solution of 3D Partial Differential Equation by the Pell Matrix Collocation Method. 4th International Students Science Congress (Tam Metin Bildiri/Sözlü Sunum)
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25. GÜRBÜZ BURCU, SEZER MEHMET (2018). A Computational Technique Based on Laguerre Series to Solve Singularly Perturbed Linear Parabolic Delay Partial Differential Equations. 1st International Conference on Sustainable Sciences and Technology (Özet Bildiri/Sözlü Sunum)
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39. GÜRBÜZ BURCU, SEZER MEHMET (2018). Laguerre Polynomial Solutions of a Class of Nonlinear Reaction Diffusion Equation and Its Applications in Biology. 11th European Conference on Mathematical and Theoretical Biology (Özet Bildiri/Sözlü Sunum)
40. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2018). Lucas Polynomial Approach for Solving a Class of Nonlinear Differential Equations with Mixed Delays. V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS) (Özet Bildiri/Sözlü Sunum)
41. ÇETİN MUHAMMED, KOCAYİĞİT HÜSEYİN, SEZER MEHMET (2018). Lucas Polynomial Approach to Determine Lorentzian Spherical Timelike Curves in Minkowski 3-Space. 16th International Geometry Symposium (Özet Bildiri/Sözlü Sunum)
42. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2018). Lucas Matrix Method for a Class of Nonlinear Delay Fredholm Integro-Differential Equations. International Conference on Mathematics (Özet Bildiri/Sözlü Sunum)
43. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2018). Lucas Matrix Method for Solving a Class of Volterra Type Integro Differential Equations with Variables Delays by Means of Lucas and Taylor Polynomials, V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS) (Özet Bildiri/Sözlü Sunum)
44. DURGUN DERYA, SEZER MEHMET, KALFAOĞLU BURCU (2018). Müntz-Legendre Polynomial Solutions of a Class of Delay Differential Equations Having First Order Nonlinear Terms. 2. International Students Science Congress (Tam Metin Bildiri/Sözlü Sunum)
45. BAŞAR ÜLKER, SEZER MEHMET (2018). Numerical Solution Based on Stirling Polynomials for Solving Generalized Linear Integro Differential Equations with Mixed Functional Arguments. II. International University Industry Cooperation, Rd and Innovation Congress (Tam Metin Bildiri/Sözlü Sunum)
46. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2018). Numerical Solution of Nonlinear Second-Order Pantograph Equations by Means of Lucas Matrix-Collocation. International Conference on Mathematics (Özet Bildiri/Sözlü Sunum)
47. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2018). Numerical Taylor-Lucas Matrix-Collocation Method for Solving a Class of Neutral Functional Differential Equations, ICAAMM (Özet Bildiri/Sözlü Sunum)
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49. GÜRBÜZ BURCU, SEZER MEHMET (2017). A Computational Method for Solving Second Order Nonlinear Ordinary Differential Equations by Means of Laguerre Series. 4th International Conference on Computational and Experimental Science and Engineering-ICCESEN (Tam Metin Bildiri/Sözlü Sunum)

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52. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2017). An Efficient Method Based on Lucas Polynomials for Solution of Lane-Emden Type Functional Differential Equations with Delays. International Conference on Mathematics and Engineering (Özet Bildiri/Sözlü Sunum)
53. AYKUTALP ELİF ZİNNUR, SEZER MEHMET (2017). Boubaker Collocation Method for Differential Equations with Hybrid Delays. International Students Science Conference (Özet Bildiri/Sözlü Sunum)
54. YÜZBAŞI ŞUAYİP, KARAÇAYIR MURAT, SEZER MEHMET (2016). Determination of the Curves of Constant Breadth According to Bishop Frame in Euclidean 3 Space by a Galerkin Like Method. 14th International Geometry Symposium (Özet Bildiri/Sözlü Sunum)
55. KURT BAŞI AYŞE, SEZER MEHMET (2017). Fibonacci Polynomial Solution of the Damped Mathieu Equation. International Students Science Conference (Özet Bildiri/Sözlü Sunum)
56. AĞIRMAN AYDIN TUBA, SEZER MEHMET (2017). Hermite Polynomial Approach to Determine Spherical Curves In Euclidean 3-Space. 15. International Geometry Symposium (Özet Bildiri/Sözlü Sunum)
57. GÜRBÜZ BURCU, SEZER MEHMET (2017). Hybrid Laguerre-Taylor Matrix Method for Solving High-Order Integro-Differential Equations with Variable Delays. 4th International Conference on Computational and Experimental Science and Engineering (Tam Metin Bildiri/Sözlü Sunum)
58. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2017). Hybrid Taylor-Lucas Matrix Method for Solving a Neutral Functional Differential Equation with Constant Coefficients and Proportional Delays. International Conference on Mathematics and Engineering (Özet Bildiri/Sözlü Sunum)
59. KONURALP ALİ, SEZER MEHMET, ÖNER SERCAN (2017). Improved Euler-Taylor Matrix Method for Generalized Functional Integro Differential Equations. International Students Science Conference (Özet Bildiri/Sözlü Sunum)
60. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2017). Lucas Polynomial Solutions of a Class of Neutral Type Functional Differential Equations with Several Delays. International Conference on Applied Analysis and Mathematical Modeling (Özet Bildiri/Sözlü Sunum)
61. GÜRBÜZ BURCU, SEZER MEHMET (2017). Modified Operational Matrix Method for Second-Order Nonlinear Ordinary Differential Equations with Quadratic and Cubic Terms. Ukrainian Conference in Applied Mathematics (Tam Metin Bildiri/Sözlü Sunum)
62. DÖNMEZ DEMİR DUYGU, ÇINARDALI TUĞÇE, SEZER MEHMET (2017). The Legendre Matrix-Collocation Approach for Some Nonlinear Differential Equations Arising in Physics and Mechanics. 4th International Conference on Computational and Experimental Science and Engineering (Tam Metin Bildiri/Sözlü Sunum)
63. YÜZBAŞI ŞUAYİP, GÖK EMRAH, SEZER MEHMET (2016). A Müntz Legendre Approach to Obtain Solutions of Singular Perturbated Problems, International Conference On Quantum Science and Applications (Özet Bildiri/Sözlü Sunum)
64. GÜRBÜZ BURCU, SEZER MEHMET (2016). A New Computational Method Based on Laguerre Polynomials for Solving Certain Nonlinear Partial Integro Differential Equations. 3rd International Conference on Computational and Experimental Science and Engineering (Özet Bildiri/Sözlü Sunum)
65. BAYKUŞ SAVAŞANERİL NURCAN, SEZER MEHMET (2016). A New Numerical Method Based on Hybrid Taylor and Lucas Polynomials for Solving a Class of Linear Volterra Type Functional Integro

Differential Equations with Proportional and Variable Delays. 3rd International Conference on Recent Advances in Pure and Applied Mathematics (Özet Bildiri/Sözlü Sunum)

66. GÜRBÜZ BURCU, SEZER MEHMET (2016). A Novel Method Based on Generalized Laguerre Polynomials for Pantograph Type Functional Differential Equations with Mixed Proportional and Variable Delays. 2nd International Conference on Pure & Applied Science (Özet Bildiri/Sözlü Sunum)
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68. ERDEM BİÇER KÜBRA, SEZER MEHMET (2016). Bernoulli Matrix Collocation Method for Solving General Functional Integro Differential Equations with Hybrid Delays. 2nd International Conference on Analysis and its Applications (Özet Bildiri/Sözlü Sunum)
69. GÜRBÜZ BURCU, SEZER MEHMET (2016). Laguerre Polynomial Approach for Solving Nonlinear Klein Gordon Equations. International Congress on Fundamental and Applied Sciences (Özet Bildiri/Sözlü Sunum)
70. GÜRBÜZ BURCU, SEZER MEHMET (2016). Laguerre Polynomial Solutions of a Class of Delay Partial Functional Differential Equations with Integral Terms. 3rd International Conference on Computational and Experimental Science and Engineering (Özet Bildiri/Sözlü Sunum)
71. ÇETİN MUHAMMED, KOCAYİĞİT HÜZEYİN, SEZER MEHMET (2016). Lucas Collocation Method to Determination Spherical Curves in Euclidean 3 Space. 14th International Geometry Symposium (Özet Bildiri/Sözlü Sunum)
72. YÜZBAŞI ŞUAYİP, GÖK EMRAH, SEZER MEHMET (2015). A Müntz Legendre Method for Solving Systems of First Order Linear Functional Differential Equations. Internatoional Conference on Advancements in Mathematical Sciences (Özet Bildiri/Sözlü Sunum)
73. GÜRBÜZ BURCU, SEZER MEHMET (2015). Laguerre Polynomial Solutions of a Class of Initial and Boundary Value Problems Arising in Science and Engineering Fields. 2nd International Conference on Computational and Experimental Science and Engineering (Özet Bildiri/Sözlü Sunum)
74. GÜRBÜZ BURCU, SEZER MEHMET (2015). Numerical Solutions of One Dimensional Parabolic Convection Diffusion Problems by the Laguerre Collocation Method. International Conference on Advancements in Mathematical Sciences (Özet Bildiri/Sözlü Sunum)
75. OĞUZ CEM, SEZER MEHMET (2015). On the Solutions of a System of Linear Delay Fredholm Volterra İntegro Differential Equations by the Chelyshkov Collocation Approximation. International Conference on Advancements in Mathematical Sciences (Özet Bildiri/Sözlü Sunum)
76. ÇETİN MUHAMMED, KOCAYİĞİT HÜSEYİN, SEZER MEHMET (2015). On the Solution of Differential Equation System Characterizing Curve Pair of Constant Breadth by the Lucas Collocation Approximation. International Conference on Applied Analysis and Mathematical Modeling (Özet Bildiri/Sözlü Sunum)
77. GÜRBÜZ BURCU, SEZER MEHMET (2014). A numerical approach for solving Volterra-Integro functional differential equations. Karatekin Mathematics Days 2014 International Mathematics Symposium (Özet Bildiri/Sözlü Sunum)
78. GÜRBÜZ BURCU, SEZER MEHMET (2013). A Numerical Approach for Solving Fredholm-Integro Differential Difference Equations. 2nd International Eurasian Conference on Mathematical Sciences and Applications (Özet Bildiri/Sözlü Sunum)
79. YÜZBAŞI ŞUAYİP, ŞAHİN NİYAZİ, SEZER MEHMET (2012). A Shifted Legendre Approach with Residual Error Estimation for Delay Linear Fredholm Integro-Differential Equations. The 2nd International Conference on Computation for Science and Technology (Özet Bildiri/Sözlü Sunum)

80. YÜZBAŞI ŞUAYİP, GÖK EMRAH, SEZER MEHMET (2012).Laguerre Series Solutions of a Class of Delay Differential Equations with the Residual Error Estimation. International Conference on Applied Analysis and Algebra (Özet Bildiri/Sözlü Sunum)
81. GÖK EMRAH, YÜZBAŞI ŞUAYİP, SEZER MEHMET (2012). Residual Correction of the Hermite Polynomial Solutions of the Generalized Pantograph Equations. The 2nd International Conference on Computation for Science and Technology (Özet Bildiri/Sözlü Sunum)
82. ERDEM KÜBRA, YALÇINBAŞ SALİH, SEZER MEHMET (2011). A New Collocation Method for Solution of Linear Fredholm Integro Differential-Difference Equations using Bernoulli Polynomials. International Conference on Applied Analysis and Algebra (Özet Bildiri/Sözlü Sunum)

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

C1. Yazılan ulusal/uluslararası kitaplar:

1. Diferansiyel Denklemler I: Teori ve problem çözümleri (2021), DAŞCIOĞLU AYŞEGÜL, SEZER MEHMET, Dora Basım Yayın, Sayfa Sayısı 296, ISBN: 9786052473054, Basım 8, Türkçe (Ders Kitabı)
2. Diferansiyel Denklemler 2: Teori ve Problem Çözümleri (2017)., DAŞCIOĞLU AYŞEGÜL, SEZER MEHMET, Dora Basım Yayın, Sayfa Sayısı 332, ISBN: 978-605-9666-93-0, Basım 1, Türkçe (Ders Kitabı)
3. Kalkülüs Cilt 1 (2015)., SEZER MEHMET, BAYKUŞ SAVAŞANERİL NURCAN, Dora Basım-Yayın Dağıtım Ltd.Şti., ISBN:978-605-9929-05-9, Basım 1, Türkçe (Ders Kitabı)
4. Genel Matematik II (2010)., SEZER MEHMET, BAYKUŞ NURCAN, Dinazor Kitabevi, Basım 1, Türkçe (Ders Kitabı)
5. Genel Matematik I (2009)., SEZER MEHMET, BAYKUŞ NURCAN, Mangitan Matbaası, Basım 1, Türkçe (Ders Kitabı)
6. Diferansiyel Denklemler ve Çözümlü Problemler II (1992)., SEZER MEHMET, DEÜ Yayınları, Basım 1, Türkçe (Ders Kitabı)
7. Diferansiyel Denklemler ve Çözümlü Problemler I (1991)., SEZER MEHMET, DEÜ Yayınları, Basım 1, Türkçe (Ders Kitabı)
8. Lineer Cebir ve Analitik Geometri (1990)., SEZER MEHMET, DEÜ Yayınları, No:0901 YK.89.003.055, Türkçe (Ders Kitabı)
9. Matematik I (1984)., ARISOY MEHMET, SEZER MEHMET, DANE ARİF, Uludağ Üniversitesi Necatibey Eğitim Fakültesi Fen Bilimleri Eğitimi Bölümü, Ders Notları Yayınları, Basım 1, Türkçe (Ders Kitabı)

E. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (Özetli) basılan bildiriler :

1. SEZER MEHMET, BAŞI MUSTAFA M. (2017). Fibonacci Sıralama Yöntemi ile Bagley-Torvik Denkleminin Sayısal Çözümü, XX. Ulusal Mekanik Kongresi (Özet Bildiri/Sözlü Sunum)
2. YÜZBAŞI ŞUAYİP, GÖK EMRAH, SEZER MEHMET (2015). Oransal Gecikmeli Birinci Mertebeden Diferansiyel Denklemler Sisteminin Yaklaşık Çözümleri İçin Müntz-Legendre Polinom Yöntemi. 28.Ulusal matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
3. YÜZBAŞI ŞUAYİP, GÖK EMRAH, SEZER MEHMET (2014). Multi-Pantograph Denklemler Sisteminin Yaklaşık Çözümü İçin Müntz-Legendre Polinom Yöntemi. 13. Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)

4. YÜZBAŞI ŞUAYİP, GÖK EMRAH, SEZER MEHMET (2013). Yüksek Mertebe Değişken Katsayılı Diferansiyel Denklemler Sisteminin Müntz-Legendre Polinom Çözümleri ve Rezidüel Düzeltme. 8. Ankara Matematik Günleri Sempozyumu (Özet Bildiri/Sözlü Sunum)
5. GÖK EMRAH, YÜZBAŞI ŞUAYİP, SEZER MEHMET (2012). Lineer Neutral Gecikmeli Diferansiyel Denklemler İçin Hermite Polinom Yaklaşımı ve Rezidüel İyileştirme. 7. Ankara Matematik Günleri Sempozyumu (Özet Bildiri/Sözlü Sunum)
6. GÜRBÜZ BURCU, GÜLSU MUSTAFA, SEZER MEHMET (2010). Laguerre Polynomial Approach for Solving Delay Differential Equations. XXIII. Ulusal Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
7. YALÇINBAŞ SALİH, SEZER MEHMET, SORKUN HÜSEYİN HİLMİ (2009). Yüksek Mertebeden Lineer Fredholm İntegro-Diferansiyel Denklemlerin Çözümleri İçin Legendre Polinom Yaklaşımı. Türk Matematik Derneği XX. Ulusal Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
8. BÜLBÜL BERNA, GÜLSU MUSTAFA, SEZER MEHMET (2007). İkinci mertebeden lineer olmayan diferansiyel denklemlerin bir sınıfının polinom çözümleri. XX. Ulusal Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
9. YÜKSEL GAMZE, GÜLSU MUSTAFA, SEZER MEHMET (2007). Lineer Fredholm-Volterra İntegro-Diferansiyel Denklemleri İçin Chebyshev Yaklaşımları Üzerine. II. Türk Dünyası Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
10. BÜLBÜL BERNA, GÜLSU MUSTAFA, SEZER MEHMET (2007). Lineer Fredholm-Volterra İntegro-Diferansiyel Denklemleri İçin Taylor Polinom Yaklaşımları Üzerine. II. Türk Dünyası Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
11. KARAME TE AYŞEN, SEZER MEHMET (1997). Volterra İntegral ve İntegrodiferansiyel Denklemlerin Yaklaşık Çözümü İçin Bir Sıralama Yöntemi. Sarımsaklıda Matematik Günleri Sempozyumu (Özet Bildiri/Sözlü Sunum)
12. KARAME TE AYŞEN, SEZER MEHMET (1996). Bazı İntegrodiferansiyel Denklemlerin Taylor Polinom Çözümleri İçin Taylor Collocation Yöntemi, Altınolukta Matematik Günleri Sempozyumu (Özet Bildiri/Sözlü Sunum)
13. KÖROĞLU HAYRETTİN, SEZER MEHMET (1995). Bazı İntegrodiferansiyel Denklemlerin Chebyshev Polinom Çözümleri. VIII. Ulusal Matematik Sempozyumu (Özet Bildiri/Sözlü Sunum)
14. SEZER MEHMET (1991). Frenet Benzeri Bir Diferansiyel Denklemler Sisteminin İntegral Özellikleri ve Uygulamaları. E.Ü.Fen Fakültesi Bilimsel Toplantılar Serisi (Tam Metin Bildiri/Sözlü Sunum)