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EĞİTİM

- **Doktora** *(2014 - 2019) Orta Doğu Teknik Üniversitesi, Uygulamalı Matematik Enstitüsü, Bilimsel Hesaplama Programı, Ankara / Türkiye*

  Uzmanlıklar: Bilimsel Hesaplama, Adi ve Kısmi Türevli Denklemlerin Sayısal Çözümlemeleri, Sonlu Elemanlar Metotları, Hipersonik Akışkanlar Mekaniği

  Tez Adı: Numerical Solutions of Navier - Stokes Equations under Hypersonic Reactive Flow Conditions

  Tez Danışmanı: Prof. Ömür Uğur (Orta Doğu Teknik Üniversitesi, Uygulamalı Matematik Enstitüsü Müdürü)

- **Yüksek Lisans** *(Ağustos, 2014) Nevşehir Hacı Bektaş Veli Üniversitesi (Orta Doğu Teknik Üniversitesi - Mühendislik Bilimleri, Ankara), Fen Bilimleri Enstitüsü, Nevşehir / Türkiye*

  Uzmanlık: Uygulamalı Matematik Bölümü (Asimptotik Metotlar, Singüler Pertürbasyon Problemleri),

      : Spektral Metotlar (Orta Doğu Teknik Üniversitesi, Mühendislik Bilimleri Bölümü)

  Tez Adı: Asymptotic Analysis of Singular Perturbation Problems

  Tez Danışmanı: Dr. Mehmet Tarık ATAY

- **Matematik Bölümü Pedagojik Formasyon Eğtimi Sertifikası** *(Haziran 2014) Akdeniz Üniversitesi, Eğitim Fakültesi*
- **Lisans** *(Haziran, 2012) Ömer Halisdemir Ünivesitesi (Niğde), Matematik Bölümü Tez: Dual Uzaylar*

- **Lise** *(Haziran, 2007) Metin-Nuran Çakallıklı Anadolu Lisesi (Antalya), Fen Bilimleri Alanı*

Son güncelleme: 14 Ocak 2019

AKADEMİK GÖREVLER

- **Öğretim Görevlisi,** *Aralık 2017 -*

  Bilgisayar Programlama, Antalya Bilim Üniversitesi, Antalya / Türkiye

- **Araştırma Görevlisi,** *Eylül 2014 – Aralık 2017*
  Ekonomi Bölümü, Antalya Bilim Üniversitesi, Antalya / Türkiye

DİĞER GÖREVLER

- **Stajyer Öğretmen,** *Ocak 2014- Haziran 2014*
  Hüsniye Özdilek Mesleki ve Teknik Anadolu Lisesi, Antalya / Türkiye

  Desler: Lise Matematik

- **Stajyer Öğretmen,** *Haziran 2013- Mayıs 2014*
  Antalya Vahap Yılmaz Özel Eğitim Kurumu, Antalya / Türkiye

  Dersler: Lise Matematik ve Geometri

ÖĞRETİM FAALİYETLERİ

I. **Antalya Bilim Üniversitesi** *(Araştıma Görevlisi olarak, 2014-2017):*
   - *Calculus for Social Sciences I (x3)*
   - *Calculus for Social Sciences II (x3)*
   - *Linear Algebra (x1)*
   - *Mathematical Economics (x1)*

II. **Antalya Bilim Üniversitesi** *(Öğretim Görevlisi olarak, 2017-)*
   - *Introduction to Linear Algebra (x1)*
   - *Information Technologies (x1)*
   - *Calculus for Social Sciences (x1)*
   - *Mathematics I (x1)*
   - *Calculus for Social Sciences (x1)*

ARAŞRTIRMA ALANLARI

- *Singüler Pertürbasyon Problemleri*

- *Asimptotik Metotlar*

- *Adi ve Kısmi Türevli Denklemlerin Nümerik Çözümleri*

- *Sayısal Doğrusal Cebir*

- *Sonlu Elemanlar Metotları (FEM)*

- *Bilimsel Hesaplama*

- *Bilimsel Programlama*

Son güncelleme: 14 Ocak 2019

- *Hipersonik Akışkanlar Mekaniği*
- *Kanser Modelleme (Doktora Sonrası)*

YAYINLAR

Akademik Makaleler

1. **(2015) Cengizci S.**, Eryilmaz A., "Successive Complementary Expansion Method for solving Troesch's Problem as a Singular Perturbation Problem", International Journal of Engineering Mathematics (published) doi:10.1155/2015/949463

2. **(2016) Cengizci S.**, Atay M. T., Eryilmaz A., "A uniformly valid approximation algorithm for singularly perturbed two-point boundary value problems in nonlinear ordinary differential equations" SpringerPlus (published) doi: 10.1186/s40064-016-1865-6 (SCI-E)

3. **(2016)** Atay M. T., **Cengizci S.**, Eryilmaz A., "SCEM Approach for Singularly Perturbed Linear Turning Mid-Point Problems with an Interior Layer", New Trends in Mathematical Sciences (published) doi: 10.20852/ntmsci.2016115661

4. **(2017) Süleyman Cengizci**, "An Asymptotic-Numerical Hybrid Method for Solving Singularly Perturbed Linear Delay Differential Equations," International Journal of Differential Equations, vol. 2017, Article ID 7269450, 8 pages, 2017. doi:10.1155/2017/7269450 (published) (ESCI)

5. **(2018) S. Cengizci**, S. Natesan, M. T. Atay, "An asymptotic-numerical hybrid method for singularly perturbed system of two-point reaction-diffusion boundary-value problems", Turkish Journal of Mathematics, 2018. doi: 10.3906/mat-1807-195 (SCI-E)

6. **(2019) Cengizci S.**, "A comparison between MMAE and SCEM for solving singularly perturbed linear boundary layer problems", Filomat (accepted) (SCI-E)

YAYIN SÜRECİ DEVAM EDEN ARAŞTIRMALAR

1. *(2019) **Cengizci S**., Atay M. T, "An asymptotic approach for singularly perturbed turning point problems with dual layers", Filomat (under review) (SCI-E)*
2. *(2019) **Cengizci S**., "A hybrid method for solving singularly perturbed differential equations with fractional order" Communications in Nonlinear Science and Numerical Simulation (in progress) (SCI)*

Son güncelleme: 14 Ocak 2019

3. *(2018)* ***Cengizci S.,*** *"On an efficient method for solving singularly perturbed nonlinear difference-differential equations", Communications in Nonlinear Science and Numerical Simulation (in progress) (SCI)*
4. *(2019)* ***Cengizci S.,*** *"Uniformly valid hybrid method scheme for solving singularly perturbed parabolic partial differential equations", (in progress)*
5. *(2019)* ***Cengizci S.,*** *"A hybrid method for solving a system of singularly perturbed two-point convection-diffusion equations", Differential Equations and Dynamical Systems (under review) (E-SCI)*
6. *(2019)* ***Cengizci S.,*** *"On an efficient hybrid method for a system of singularly perturbed two-point boundary value problems with turning point", (in progress)*
7. *(2019)* ***Cengizci S.,*** *"A finite element based hybrid method for solving singularly perturbed nonlinear differential equations", (in progress)*
8. *(2019)* ***Cengizci S.,*** *"An asymptotic-numerical hybrid scheme for solving singularly perturbed difference-differential equations exhibiting interior layer behavior", (in progress)*
9. *(2019)* ***Cengizci S.,*** *"Numerical experiments on singularly perturbed one-dimensional Bratu problem", (in progress)*

KONFERANS SUNUMLARI

1. *(2015)* ***Cengizci S.,*** *Atay M. T., Eryilmaz A., "A uniformly valid approximation algorithm for singularly perturbed two-point boundary value problems in nonlinear ordinary differential equations", International Conference on Advancements in Mathematical Sciences, Antalya, Turkey.*
2. *(2016)* ***Cengizci S.,*** *Eryilmaz A., "A hybrid approach for solving singularly perturbed turning point problems exhibiting dual layers", International Conference on Mathematics and Mathematics Education (ICMME-2016), Fırat University, Elazığ, Turkey, 12-14 May 2016.*
3. *(2017)* ***Cengizci S.,*** *"On an efficient hybrid method for solving singularly perturbed difference-differential equations exhibiting turning layer behavior", (ICCESEN 2017) - 4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 4-8 October 2017*
4. *(2017)* ***Cengizci S.,*** *"On an asymptotic-numerical hybrid method for solving singularly perturbed nonlinear delay differential equations", (ICCESEN 2017) - 4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 4-8 October 2017*
5. *(2017)* ***Cengizci S.,*** *"SCEM for solving a system of singularly perturbed convection-diffusion equations", International Conference On Applied Analysis and Mathematical Modelling (ICAAMM-2017), Istanbul, Turkey, 3-7 July 2017.*
6. *(2017)* ***Cengizci S.,*** *"On an asymptotic-numerical hybrid scheme for solving singularly perturbed turning point problems with dual layers", International*

Son güncelleme: 14 Ocak 2019

Conference On Applied Analysis and Mathematical Modelling (ICAAMM-2017), Istanbul, Turkey, 3-7 July 2017.

7. *(2018) **Cengizci S**., "Some comparisons between MMAE and SCEM for solving singularly perturbed linear problems", The Third International Conference on Computational Mathematics and Engineering Sciences (CMES-2018), May 4-6, 2018, Girne, Cyprus.*

8. *(2018) **Cengizci S**., "A hybrid simulation for a system of singularly perturbed two-point reaction-diffusion equations", The Third International Conference on Computational Mathematics and Engineering Sciences (CMES-2018). May 4-6, 2018, Girne, Cyprus.*

9. *(2019) Cengizci S., "Finite Element Based Hybrid Approximatıons to Solutions of Singularly Perturbed Problems", The Fourth International Conference on Computational Mathematics and Engineering Sciences (CMES-2019). April 20-22, 2019, Antalya, Turkey.*

10. *(2019) Cengizci S., "Finite Element Based Hybrid Approximatıons to Solutions of Singularly Perturbed Reactıon-Diffusion Systems", The Fourth International Conference on Computational Mathematics and Engineering Sciences (CMES-2019). April 20-22, 2019, Amtalya, Turkey.*

DİĞER AKADEMİK FAALİYETLER

Hakemlikler

- *Neural Processing Letters (Springer/SCI-E) x 3*
- *Mathematical Modelling and Analysis (Taylor & Francis / SCI-E) x 1*
- *Mathematical Sciences (Springer/E-SCI) x 1*
- *Mathematical Sciences Letters (Natural Sciences Publishing) x 7*
- *British Journal of Mathematics & Computer Science x 1*
- *Advances in Research x 1*
- *Journal of Advances in Mathematics and Computer Science x 2*
- *Asian Research Journal of Mathematics x 1*
- *Gazi University Journal of Science (E-SCI) x 1*

Ziyaretçi olunan enstitüler

1. *Ziyaretçi Araştırmacı, Department of Computing + Mathematical Sciences, California Institute of Technology(CALTECH), ABD, Invited to research Danışman: Prof. Oscar P. Bruno*

2. *Ziyaretçi Arşatırmacı, The Interdisciplinary Center for Scientific Computing (IWR), Ruprecht-Karls University of Heidelberg, Almanya, (8-11 May, 2017)*

   Danışman: Prof. Anna Marciniak-Czochra

Son güncelleme: 14 Ocak 2019

Bilgisayar ve Programlama

Windows, Linux (Ubuntu), Microsoft Office Pack, MATLAB, FEniCS, Scientific Workplace, LaTex, C++ Programming Language, Fortran Programming Language, Python Programming Language

Akademik Üyelikler

International Association of Engineers (IAENG)

Akademik Tanınırlık

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Publons

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ResearchGate

REFERANSLAR

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Son güncelleme: 14 Ocak 2019