



Süleyman ÖGREKÇİ

Ph.D.
Applied Mathematics

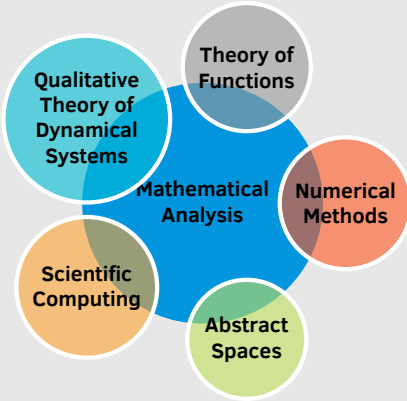
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Skills



Interests

Real Analysis

Theory of ODEs

Fractional Calculus

Calculus on Time Scales

Scientific Computing with Python

CAS (Maple)

Education

2009 - 2014 **Ph.D., Mathematics** Ankara, TURKEY
Gazi University
Instute of Science and Technology
Ph.D. Thesis Title: *Oscillation Theorems for Second Order Nonlinear Differential Equations*

2007 - 2009 **M.Sc., Mathematics** Ankara, TURKEY
Gazi University
Instute of Science and Technology
M.Sc. Thesis Title: *Asymptotic Behavior of Linear Dynamic Systems on Time Scales*

2003 - 2007 **B.Sc., Mathematics** Konya, TURKEY
Selçuk University
Faculty of Science
B.Sc. Thesis Title: *Cryptography*

Experience

2019 - **Assoc. Prof. Dr.** Amasya, TURKEY
Amasya University

2014 - 2019 **Asst. Prof. Dr.** Amasya, TURKEY
Amasya University

Activity Member of academic staff of Science & Arts Faculty, Mathematics Department. Head of department between 2016 Feb - 2018 Feb.

- **Undergraduate lectures given:** Calculus I-II-III-IV, General Topology I-II, Fourier Analysis, Advanced Calculus, Numerical Analysis, Differential Equations I-II, Complex Analysis I-II, Metric Spaces.
- **Graduate lectures given:** Analysis, Linear Algebra, Advanced Functional Analysis, Selected Topics in Applied Mathematics, Theory of Linear Systems of Differential Equations, Dynamic Systems and Bifurcation, Heat Equation and Fourier Analysis, The Analysis of Fractional Differential Equations, Scientific Computing with Python.

TextBooks

2018 **Temel Matematik Analiz (in Turkish)** ISBN: 978-605-320-961-4



This book covers the general topics under analysis of functions of one real variable. Such as structure of real numbers, sequences and series of real numbers and real functions, continuous functions, derivative and integral concepts of functions. The book is suitable for relevant courses of under graduate and graduate courses.



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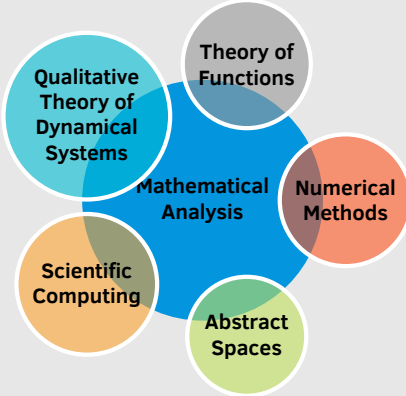
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Publications

- 2019 **Yasemin BAŞCI, Süleyman ÖĞREKÇİ, Adil MISIR.** Hyers-Ulam-Rassias Stability for Abel-Riccati Type First-Order Differential Equations. *Gazi University Journal of Science*, 32(4), 1238-1252, Doi: 10.35378/gujs.493396. [ESCI]
- 2019 **Yasemin BAŞCI, Süleyman ÖĞREKÇİ, Adil MISIR.** On Hyers–Ulam Stability for Fractional Differential Equations Including the New Caputo–Fabrizio Fractional Derivative. *Mediterranean Journal of Mathematics*, 16(131), Doi: 10.1007/s00009-019-1407-x. [SCI-Exp]
- 2019 **Süleyman ÖĞREKÇİ.** Stability of Delay Differential Equations in the Sense of Ulam on Unbounded Intervals. *An International Journal of Optimization and Control: Theories & Applications*, 9(2), 36-42.
- 2018 **Süleyman ÖĞREKÇİ.** Interval Oscillation Criteria for Second-Order Functional Differential Equations. *Sigma Journal of Engineering and Natural Sciences*, 36(2), 351-359. [ESCI]
- 2017 **Süleyman ÖĞREKÇİ, Adil MISIR, Aydın TİRYAKİ.** On the Oscillation of Second-Order Nonlinear Differential Equations With Damping. *Miskolc Mathematical Notes*, 18(1), 365-378, Doi: 10.18514/MMN.2017.1467. [SCI-Exp]
- 2016 **Adil MISIR, Süleyman ÖĞREKÇİ.** Oscillation Theorems for Second Order Nonlinear Differential Equations. *Gazi University Journal of Science*, 29(4), 929-935. [ESCI]
- 2016 **Adil MISIR, Süleyman ÖĞREKÇİ.** Oscillation Criteria for a Class of Second Order Nonlinear Differential Equations. *Gazi University Journal of Science*, 29(4), 923-927. [ESCI]
- 2015 **Adil MISIR, Süleyman ÖĞREKÇİ.** On Approximate Solution of Weakly Singular Integro dynamic Equation on Time Scales. *Gazi University Journal of Science*, 28(4), 651-658. [ESCI]
- 2015 **Mustafa BAYRAM, Hakan ADIGÜZEL, Süleyman ÖĞREKÇİ.** Oscillation of fractional order functional differential equations with nonlinear damping. *Open Physics*, 13(1), Doi: 10.1515/phys-2015-0053. [SCI-Exp]
- 2015 **Süleyman ÖĞREKÇİ.** Generalized Taylor Series Method for Solving Nonlinear Fractional Differential Equations with Modified Riemann Liouville Derivative. *Advances in Mathematical Physics*, 2015, 1-10., Doi: 10.1155/2015/507970. [SCI-Exp]
- 2015 **Süleyman ÖĞREKÇİ.** Interval oscillation criteria for functional differential equations of fractional order. *Advances in Difference Equations*, 2015(1), Doi: 10.1186/s13662-014-0336-z. [SCI-Exp]
- 2015 **Süleyman ÖĞREKÇİ.** New interval oscillation criteria for second order functional differential equations with nonlinear damping. *Open Mathematics*, 13(1), 239-246., Doi: 10.1515/math-2015-0023. [SCI-Exp]
- 2011 **Adil MISIR, Süleyman ÖĞREKÇİ.** Asymptotic iteration technique for second order dynamic equations on time scales. *Journal of Mathematical Physics*, 52(4), 43504, Doi: 10.1063/1.3571991. [SCI-Exp]
- 2010 **Adil MISIR, Süleyman ÖĞREKÇİ.** Reducibility and Stability Results for Dynamic Systems on Time Scales. *Advances in Dynamical Systems and Applications*, 5(2), 191-203.



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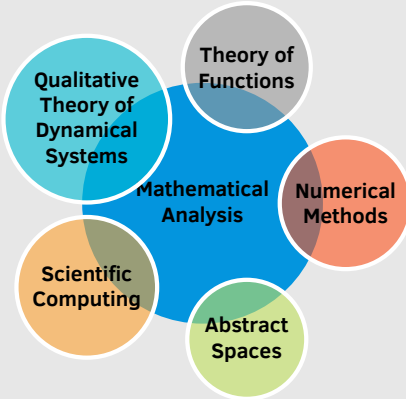
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Talks

- 2019 **Süleyman ÖĞREKÇİ, Yasemin Başçı, Adil Mısıır.** On the Stability Problem of Differential Equations in the Sense of Ulam. *International Workshop on Dynamical Systems and Applications: In Memory of Prf. Dr. Aydın Tiryaki, IWDSA2019*, Ankara, Turkey.
- 2019 **Süleyman ÖĞREKÇİ, Yasemin Başçı, Adil Mısıır.** On the Hyers-Ulam Stability of delay Differential Equations. *8th International Conference of Applied Analysis and Mathematical Modeling*, Istanbul, Turkey.
- 2018 **Adil Mısıır, Yasemin Başçı, Süleyman ÖĞREKÇİ.** Hyers-Ulam Stability for Caputo-Fabrizio Type Fractional differential Equations. *International Conference of Mathematics and Mathematics Education 2018*, Ordu, Turkey.
- 2018 **Adil Mısıır, Süleyman ÖĞREKÇİ, Yasemin Başçı.** On the Stability of $y' = f(x, y)$ in the Sense of Ulam. *International Conference of Mathematics and Mathematics Education 2018*, Ordu, Turkey.
- 2018 **Süleyman ÖĞREKÇİ, Yasemin Başçı, Adil Mısıır.** On the Stability Problem of Differential Equations in the Sense of Ulam. *7th International Conference of Applied Analysis and Mathematical Modeling*, Istanbul, Turkey.
- 2016 **Süleyman ÖĞREKÇİ.** Generalized Taylor Series Method for Solving Nonlinear Fractional Differential Equations with Modified Riemann Liouville Derivative. *2nd International Conference on Pure and Applied Sciences*, Istanbul, Turkey.
- 2016 **Hakan ADIGÜZEL, Mustafa BAYRAM, Süleyman ÖĞREKÇİ.** Oscillation of Fractional Order Functional Differential Equations With Nonlinear Damping Term. *2nd International Conference on Pure and Applied Science*, Istanbul, Turkey.
- 2015 **Süleyman ÖĞREKÇİ.** Interval Oscillation Criteria for Functional Differential Equations of Fractional Order. *4th International Eurasian Conference on Mathematical Sciences and Applications*, Athens, Greece.
- 2015 **Süleyman ÖĞREKÇİ.** Interval Oscillation Criteria for Functional Differential Equations of Fractional Order. *14th International Workshop on Dynamical Systems and Applications*, Ankara, Turkey.
- 2015 **Süleyman ÖĞREKÇİ.** Kesirli Mertebeden Fonksiyonel diferensiyel denklemlerin Salınımlılığı. *10. Ankara Matematik Günleri*, Ankara, Turkey. (Turkish)
- 2013 **Adil MISIR, Süleyman ÖĞREKÇİ.** Oscillation Criteria for Second Order Forced Nonlinear Differential Equations With Damping Terms. *12th International Workshop on Dynamical Systems and Applications*, Ankara, Turkey.
- 2013 **Adil MISIR, Süleyman ÖĞREKÇİ.** İkinci Mertebeden Doğrusal Olmayan Bir Denklem Sınıfı için Salınımlılık Kriterleri. *8. Ankara-Matematik Günleri*, Ankara, Turkey. (Turkish)
- 2012 **Adil MISIR, Süleyman ÖĞREKÇİ.** Oscillation Theorems for Second Order Non Linear Differential Equations. *The 11th International-Workshop on Dynamical Systems and Applications*, Ankara, Turkey.
- 2009 **Adil MISIR, Süleyman ÖĞREKÇİ.** Zaman Skalalarında Dinamik Denklemlerin İndirgenabilirlik ve Kararlılık Sonuçları. *IX. Dinamik Sistemler Çalıştayı*, İzmir, Turkey. (Turkish)



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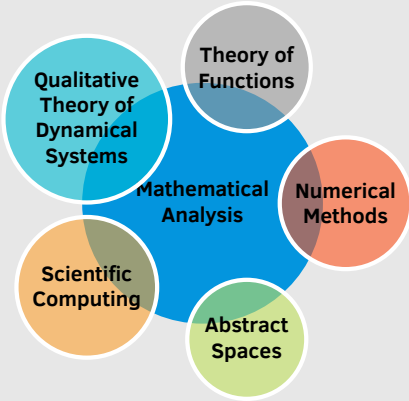
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Supervision

- 2019 **Mustafa BÜLBÜL.** Ulam-Hyers Stability on Time Scales. [\[M.Sc. Thesis\]](#)
- 2019 **Ertuğrul ÇULHACIOĞLU.** Stability of Dynamic Equations on Time Scales. [\[M.Sc. Thesis\]](#)
- 2019 **Halil TEREÇİ.** Lyapunov's Direct Method on Time Scales. [\[M.Sc. Thesis\]](#)