

ÖZGEÇMİŞ

- 1. Adı Soyadı:** Evren Hınçal
- 2. Doğum Tarihi:** 02/06/1973
- 3. Ünvanı:** Profesör
- 4. Öğrenim Durumu:**

Derece	Bölüm	Üniversite	Yıl
Lisans	Matematik	Hacettepe Üniversitesi	1995
Y. Lisans	Matematik	Imperial College-University of London	1997
Doktora	Matematik	Doğu Akdeniz Üniversitesi	2009

5. Akademik Ünvanlar:

Yardımcı Doçentlik Tarihi: Aralık 2009, Fen-Edebiyat Fakültesi Matematik Bölümü
Doçentlik Tarihi: 16 Mart 2013, Fen-Edebiyat Fakültesi Matematik Bölümü.
Profesörlük Tarihi: 5 Kasım 2018, Yakın Doğu Üniversitesi.

6. Akademik ve İdari Görevler:

Yakın Doğu Üniversitesi Matematik Bölümü Başkan Yardımcısı: 2013-2015
Yakın Doğu Üniversitesi Matematik Bölümü Başkanı: 2015-
Yakın Doğu Üniversitesi Fen Edebiyat Fakültesi Dekan Yardımcısı:2018-
Yakın Doğu Üniversitesi Atama Yükseltme Komisyon Üyesi: 2019-
Yakın Doğu Üniversitesi Matematik Araştırmaları Merkezi Başkanlığı: 2020 -
Yakın Doğu Üniversitesi YÖDAK Atama Yükseltme Komisyon Üyesi: 2020-2021.
Başbakanlık Covid-19 araştırma grubu başkanlığı: Mart 2020-Şubat 2021.
Yakın Doğu Üniversitesi Mükemmeliyet Merkezi Başkanlığı: Temmuz 2023-
Yakın Doğu Üniversitesi Mtevelli Heyeti Başkanı Başkanlığı: Temmuz 2023-

7. Dergi Editörlükleri:

- 1. Computational and Mathematical Methods in Medicine:Mathematical and Statistical aspects in Health Sciences (SCIE-Q2)-Lead Editor.**
- 2. Progress in Fractional Differentiation and Applications (SCOPUS-Q2)-Managing Editor.**
- 3. Journal of Biometry (CrossRef)-Associate Editors.**
- 4. Associate Editor , 2018."Fourth International Conference on Analysis and Applied Mathematics" (ICAAM 2018), AIP Conf. Proc.**

5. Associate Editor , 2020."Fifth International Conference on Analysis and Applied Mathematics" (ICAAM 2018), AIP Conf. Proc.

6. Editor , 2020."Fifth International Conference on Analysis and Applied Mathematics" (ICAAM 2018), Abstract Book.

8. Eğitim Etkinlikleri (Yönetilen Yüksek Lisans ve Doktora Tezleri)

8.1 Yüksek Lisans Tezleri

1. Seçkin Varol(2010):Predator-Prey Model with Time Delay, Yakın Doğu Üniversitesi Matematik Bölümü.
2. Nuriye Sancar(2012):Bessel Equations and Applications, Yakın Doğu Üniversitesi Matematik Bölümü.
3. Ibrahim Süleiman(2015): Complete Asymptotic Expansion For Some Positive Linear Operators, Yakın Doğu Üniversitesi, Matematik Bölümü.
4. Umar Tasiu Mustapha(2015): The Role Threshold Quantity on Local Stability of SIR Model with Birth Rate and Death Rate Equal.
5. Salihu Sabiu Musa(2015): Bessel's Differential Equations and Applications of Schrodinger Equation to Neumann and Henkel Functions.
6. Shehu Abba Adamu(2015): A non-Linear Prey-Predator Model with Lags for Maturity.
7. S.M.Karma(2017): A Bisection of Bessel Functions And Applications To solutions of Schrödinger Time Dependent Equation In Cylindrical and Spherical Well.
- 8.Saad Idris Jumaa Shekan(2017): Solving Linear First Order Delay Differential Equations By Moc and Steps Method Comparing with Matlab Solver.
9. Meral İpek Azimli(2017): Statistical Analysis of The Ebola Outbreak In West Africa.

8.2 Doktora Lisans Tezleri

Mezun:

1.Isa Baba(2018)

Thesis Title:Mathematical Studies on Influenza Models

2.Bilgen Kaymakamzade(2018)

Thesis Title:Dynamics of Two Strain Epidemic Model with Vaccine and Delay

3.Farouk Saad Tijjani (2020)

Thesis Title:Dynamics of Immune CheckPoint Immune System And BCGIn Bladder Cancer Immunotherapy

4.Süleiman Ibrahim(2020)

Thesis Title: Stability of the Third Order Partial Differential Equation with Time Delay.

5.Sultan Hamed Khalifa Al Saadi(2021)

Thesis Title:Stability Analysis of Fractional Order Model on Corona Transmission Dynamics

6.Abba Auwalu(2021)

Thesis Title:Some Fixed Point Theorems of Contractive Mappings in Pentagonal Cone Metric Spaces.

7. Salisu Muhammad Muhammad(2021)

Thesis Title:Modelling the Dynamics of Trachoma For Control and Elimination.

8.Amna Haşimi(2022)

Thesis Title:Dynamical Model to Optimize Student's Academic Performace using the systems ODEs.

9.Olivia Ada Obi(2022)

Thesis Title: A Study of Bi-Geometric Fractional Model for the Treatment of Cancer using Radiotheraphy.

9. Yayınlar:

9.1. Ululararası hakemli dergilerde yayınlanan makaleler(SCL-SCIE-ESCI)

1. Evren Hınçal, Ufuk Taneri, Bahar Taneri, Mustafa Djamgoz MB, **Cancer Incidence In North Cyprus(1990-2004) Relative To European Rates**, *Asian Pacific J Cancer Prev*, **2009**, 725-732:
2. Evren Hınçal, **Mathematical Models for Human Cancer Incidence Rates:Applications to Results from including North Cyprus**, *Asian Pacific J Cancer Prev*, **2010**, 325-335.
3. Ceyhun Dalkan, Aslı F.Kaptanoğlu, Evren Hınçal **Sun Protection in North Cyprus Turkish Population: Knowlage, Attitude and Behaviours of Elementary School Children and Their Families**, *Türkderm*,(2012;46:121-9);
4. Aslı Feride Kaptanoğlu, Kaya Suer, Hüsrev Diktaş, Evren Hınçal, **Knowledge, Attitudes and Behaviour Towards Sexually Transmitted Diseases in Turkish Cypriot Adolescents** Cent Eur J Public Health **2013**; 21 (1): 239–243.
5. Aslı F.Kaptanoğlu, Murat Uncu, Selçuk Özyurt, Evren Hınçal , **Effect of Isotreinoin on Prothrombin Time (PT), International Normalized Ratio (INR) and Activatded Partial Thromboplastine Time (APTT)**, *Journal of Dermatological Treatment*: Aug 2013; 24(4):272-274

6. Hakan Eren, Kaan Orhan, Nilsun Bagis, Rana Nalcaci, Melis Misirli, Evren Hincal **Cone Beam computed tomograph evaluation of mandibular canal anterior loop morphology and volume in a group of Turkish patients**, *Biotechnology & Biotechnological Equipment* DOI:10.1080/13102818.2015.1127181 25 Jan 2016
7. Seçil Aksoy, Umay Kelahmet, Evren Hınçal, Ulaş Öz, Kaan Orhan **Accuracy of Linear and Angular Measurements in CBCT scans using 2D and 3D rendering software** *Biotechnology & Biotechnological Equipment* (Doi:10.1080/13102818.2016.1174077)27 April 2016
8. EvrenHınçal, **Cancer Mortality In North Cyprus 1995–2007**,Indian Journal of Medical Sciences, Vol. 68, No. 1, October-December 2016
9. Ahmet Arslan, Kaan Orhan, Tuğçe Örmeci,Seçil Günay, Melis Misirli, Evren Hincal **“Morphometric Analysis of Infraorbital Foramen, Canal and Groove using Cone Beam CT: Consideration for creating artificial organs”** *International Journal of Artificial Organs* Jan 26,2016
10. Isa Baba,Evren Hınçal, **Global Stability Analysis of Two-Strain Epidemic Model with Bilinear and Non-Monotone Incidence Rates**, *Eur.Phys.J:Plus(2017) 132:208*
11. Isa Baba,Evren Hınçal, **A model for Influenza with vaccination and awareness**,*Chaos Solitons and Fractals,106(2018)49-55*
12. Isa Baba, Bilgen Kaymakamzade,Evren Hınçal, **Two strain Epidemic Model with Two Vaccination**,*Chaos Solitons and Fractals, 106 (2018) 342–348*
13. Farouk Saad, EVREN HINCAL, and BİLGEN KAYMAKAMZADE **Dynamics of Immune Checkpoints, Immune System and BCG in the treatment of Superficial Bladder Cancer**, *Computational and Mathematical Methods in Medicine,Volume (2017), Article ID 3573082, Pages 9*
14. Isa Baba,Evren Hınçal, Farouk Saad, Bilgen Kaymakamzade, Murat Sayan, Tamer Şanlıdağ **Role of Awareness and Education in Controlling HIV/AIDS: A Mathematical Model** *Quality & Quantity* DOI 10.1007/s11135-017-0640-2
15. Isa Baba,Evren Hınçal, Farouk Saad, Bilgen Kaymakamzade, Murat Sayan, Tamer Şanlıdağ **Dynamics of HIV/AIDS in Turkey from 1985 to 2016** *Quality & Quantity* DOI 10.1007/s11135-017-0648-7
16. Evren Hınçal, Bilgen Kaymakamzade **Two- strain Epidemic model with Two Vaccinations and Two Time Delayed** *Quality & Quantity* DOI 10.1007/s11135-017-0647-8

17. Abba Auwalu, Evren Hınçal, **Common Fixed Point Theorems For Three Maps In Cone Pentagonal Metric Spaces**, European Journal of Pure and Applied Mathematics, Vol. 10, No:3, 2017, 472-486
18. Abba Auwalu, Evren Hınçal, **Some Fixed Point Theorems For Expansive Mapping In Cone Pentagonal Metric Spaces**, *Journal of Informatics and Mathematical Sciences*, Vol., No, p, 2017
19. Nuriye Sancar, Meltem Nalça Andrieu, Evren Hınçal, Deniz Granit, **Cancer Incidence 2010-2014 Among the North Cyprus Population of Adults Aged 15 and Over**, *Turk.J.Oncol* 2017;32(2);43-54
20. Farouk Tijjani Saad, Evren Hınçal, **An Optimal Control Approach for the Interaction of Immune Checkpoints, Immune System, and BCG in the Treatment of Superficial Bladder Cancer**, Computational and Mathematical Methods In Medicine.
21. Abba Auwalu, Evren Hınçal, **A Generalized Banach Contraction Principle on Cone Pentagonal Metric Space over Banach algebra**, AIP conference proceeding 2018.
22. Allaberen Ashyralyev, Evren Hınçal, Süleiman Ibrahim, **Stability of the Third order Partial differential Equations with Time Delay**, AIP conference proceeding 2018.
23. Allaberen Ashyralyev, Evren Hınçal, Süleiman Ibrahim, **Numerical solutions of the System of Partial Differential Equations for Observing Epidemic Models**, AIP conference proceeding 2018.
24. Evren Hınçal, Farouk Tijjani Saad, Isa Abdullahi Baba, **A Mathematical Cancer Model with BCG Immunotherapy Combined with Immune Checkpoints Inhibitors: an Optimal Control Approach**, AIP conference proceeding 2018.
25. Evren Hınçal, Isa Abdullahi Baba, Sultan Hamed Khalifa Alsaadi, **Global Stability Analysis of Two Strain Epidemic Model with Awareness**, *Advances in Differential Equations and Control Processes; Volume 19, Number 2, 2018, Pages 83-100*
26. Bilgen Kaymakamzade, Evren Hıncal, **Delay Epidemic Model with or without vaccine**, AIP conference proceeding 2018.
27. IA Baba, B Kaymakamzade, E Hıncal **2018 Two-strain epidemic model with two vaccinations** - Chaos, Solitons & Fractals, 106 ,342–348
28. IA Baba, E Hıncal, **2018, A model for influenza with vaccination and awareness**, Chaos, Solitons & Fractals, 106 ,49–55.
29. Isa Abdullahi Baba*, Evren Hıncal and Sultan Hamed Khalifa Alsaadi, **2018, GLOBAL STABILITY ANALYSIS OF A TWO-STRAIN EPIDEMIC MODEL WITH AWARENESS**, Volume 19, Number 2, Pages 83-100.

30. Farouk Tijjani Saad, Evren Hincal **An optimal control approach for the interaction of immune checkpoints, immune system, and BCG in the treatment of superficial bladder cancer,2018**, The European Physical Journal Plus,133:241
31. Allaberen Ashyralyev, Evren Hincal,Bilgen Kaymakamzade.**2018,Numerical solutions of the system of partial differential equations for observing epidemic models**,AIP Conference Proceedings 1997, 020050
32. Allaberen Ashyralyev, Evren Hincal, Suleiman Ibrahim,**2018**,Stability of the third order partial differential equations with time delay.AIP Conference Proceedings 1997, 020086.
33. Evren Hincal, Farouk Tijjani Saad, Isa Abdullahi Baba,**2018**,**A mathematical cancer model with BCG immunotherapy combined with immune checkpoints inhibitors: An optimal control** approach,AIP Conference Proceedings 1997, 020003
34. Bilgen Kaymakamzade, Evren Hincal,**2018**,**Delay epidemic model with and without vaccine**,AIP Conference Proceedings 1997, 020025
35. Bilgen Kaymakamade,Evren Hınçal,**2018**,**Two-strain epidemic model with two vaccinations and two time delayed,2018**,Quality & Quantity December , Volume 52, Supplement 1, pp 695–709.
36. Farouk Tijjani SaadTamer Sanlidag,Evren HincalMurat SayanIsa Abdullahi BabaBilgen Kaymakamzade,**2018**, **Global Stability Analysis of HIV+ Model**, 13th International Conference on Theory and Application of Fuzzy Systems and Soft Computing — ICAFS-2018 pp 830-839.
37. Bilgen Kaymakamzade, Tamer Şanlıdağ, Evren Hınçal, Murat Sayan, Farouk Tijjani Sa'ad, Isa Abdullahi Baba ,**2018**,**Role of awareness in controlling HIV/AIDS: a mathematical model**,Quality & Quantity volume 52, 625–637.
38. Murat Sayan,Evren Hınçal,Tamer Şanlıdağ,Bilgen KaymakamzadeFarouk Tijjani Sa'adIsa Abdullahi Baba,**2018**,Quality & Quantity December 2018, Volume 52, Supplement 1, 711–723.
39. Bagis Nilsun, Boz Canan, Hincal Evren, Orhan Kaan,**2019**,**Cone-Beam Computed Tomography Evaluation of the Submandibular Fossa in a Group of Dental Implant Patients**,IMPLANT DENTISTRY / VOLUME 28, NUMBER 4 ,329-339.
40. Abba Auwalu, Evren Hincal,Lakshmi Narayan Mishra,**2019**,**On Some Fixed Point Theorems for Expansive Mappings in Dislocated Cone Metric Spaces with Banach Algebras**,J o u r n a l of Mathematics,No 42, pp 21-33.
41. Umar Tasiu Mustapha, Evren Hincal,**2019**,**An optimal control of hookworm ransmissions model with differential infectivity**,Physica <https://doi.org/10.1016/j.physa.2019.123625>.

42. Allaberen Ashyralyev, Evren Hincal, Suleiman Ibrahim, **2019, A numerical algorithm for the third-order partial differential equation with time delay**, AIP Conference Proceedings 2183, 070014.
43. Evren Hincal, Sultan Alsaadi, **2019, Posterior analysis of weighted Erlang distribution**, AIP Conference Proceedings 2183, 070023.
44. Evren Hincal, Murat Sayan, Bilgen Kaymakamzade, Tamer Sanlıdağ, Farouk Tijjani Sa'ad and Isa Abdullahi Baba, **2019, Trends and Risk of HIV/AIDS in Turkey and Its Cities**, Springer Book Series.
45. Evren Hincal, Günsu Soykut, Farouk Tijjani Saad, Seda Vatansever, Isa Abdullahi Baba, Ihsan C. Alis., Bilgen Kaymakamzade and Eda Becer, **2019, Comparison of The Rate of Induced Intrinsic Pathway of Apoptosis on COLO-320 and COLO-741**, Springer Book Series.
46. Allaberen Ashyralyev, E. Hincal, and B. Kaymakamzade, **2019, A Crank Nicolson difference scheme for system of nonlinear observing epidemic models**, AIP Conference Proceedings 2183, 070013.
47. S Lale, H Solak, E Hınçal, L Vahdettin, **2020 ,In Vitro Comparison of Fluoride, Magnesium, and Calcium Phosphate Materials on Prevention of White Spot Lesions around Orthodontic Brackets** Volume 2020, Article ID 1989817, 11 pages.
48. UT Mustapha, E Hincal **2020 An optimal control of hookworm transmissions model with differential infectivity** Physica A: Statistical Mechanics and its Applications Volume 545, 1 May **2020**, 123625.
49. E Hınçal, D Baleanu Z Korpınar, Alexandria Engineering Journal **Residual power series algorithm for fractional cancer tumor models M Inc**, Volume 59, Issue 3, June **2020**, Pages 1405-1412 2020.
50. A Ashyralyev, E Hincal, S Ibrahim **2020 On the Absolute Stable Difference Scheme for Third Order Delay Partial Differential Equations** Symmetry **2020**, 12(6), 1033.
51. UT Mustapha, S Qureshi, A Yusuf, E Hincal **2020 Fractional modeling for the spread of Hookworm infection under Caputo operator** Chaos, Solitons & Fractals 137, 109878, <https://doi.org/10.1016/j.chaos.2020.109878>.
52. Evren Hincal , Bilgen Kaymakamzade , Nezihal Gokbulut, **2020, Basic reproduction number and effective reproduction number for North Cyprus for fighting Covid-19**, Bulletin of the Karaganda University, MATHEMATICS series. № 3(99)/2020, 87-92.
53. Evren Hincal, Shorsh Mohammed , Bilgen Kaymakamzade, **2020, Stability analysis of an eco-epidemiological model consisting of a prey and two competing predators with SI-disease in prey and toxicant**, Bulletin of the Karaganda University, № 3(99)/2020.

54. Pratap Anbalagan , Evren Hincal , Raja Ramachandran , Dumitru Baleanu , Jinde Cao Chuangxia Huang Michal Niezabitowski,2021,**Delay-coupled fractional order complex Cohen-Grossberg neural networks under parameter uncertainty: Synchronization stability criteria**,AIMS Mathematics **2021**, Volume 6, Issue 3: 2844-2873.
55. Pratap Anbalagan, Evren Hincal, Raja Ramachandran, Dumitru Baleanu, Jinde Cao, Michal Niezabitowski,2021,**A Razumikhin approach to stability and synchronization criteria for fractional order time delayed gene regulatory networks**, AIMS Mathematics, 6(5): 4526–4555.
56. Abba Auwalu, Evren Hincal, **2021, Some Fixed Point Theorems of Contractive Mappings in -Cone Metric Spaces over Banach Algebras Journal of Mathematics**, Volume 2021, Article ID 8447435, 8 pages.
57. Sultanoglu, Nazife, Gokbulut, Nezihal, Sanlidag, Tamer, Hincal, Evren, Bilgen, Kaymakamzade, Sayan Murat, **2021, A Binomial Model Approach: Comparing the R0 Values of SARS-CoV-2 rRT-PCR Data from Laboratories across Northern Cyprus**, Computer Modeling in Engineering & Sciences ; 128(2):717-729.
58. A Ashyralyev, S Ibrahim, E Hincal, **2021,On stability of the third order partial delay differential equation with involution and Dirichlet condition**, BULLETIN OF THE KARAGANDA UNIVERSITY. MATHEMATICS SERIES, Issue: 2 (102) Year: ,Pages: 25-34.
59. UT Mustapha, T Sanlidag, E Hincal, B Kaymakamzade, SM Muhammad, N Gokbulut, **2021,Modelling the effect of horizontal and vertical transmissions of HIV infection with efficient control strategies**, BULLETIN OF THE KARAGANDA UNIVERSITY. MATHEMATICS SERIES, Issue: 2 (102) Pages: 106-114.
60. UT Mustapha, E Hincal, A Yusuf, S Qureshi, T Sanlidag, SM Muhammad, B Kaymakamzade, N Gokbulut,**2021, Transmission dynamics and control strategies of COVID-19: a modelling study**,BULLETIN OF THE KARAGANDA UNIVERSITY. MATHEMATICS SERIES,Issue: 2 (102) Pages: 92-105.
61. Evren Hincal, Sultan Hamed Alsaadi, **2021,Stability analysis of fractional order model on corona transmission dynamics**,Chaos, Solitons & Fractals Volume 143, February 2021, 110628.
62. Abdullahi Yusuf, Umar Tasiu Mustapha, Tukur Abdulkadir Sulaiman, Evren Hincal, Mustafa Bayram, **2021, Modeling the effect of horizontal and vertical transmissions of HIV infection with Caputo fractional derivative**,Chaos, Solitons & Fractals Volume 145, 110794.
63. Umar T Mustapha, Salihu S Musa, Muhammad A Lawan, Aliyu Abba, Evren Hincal, Musa D Mohammed, Bashir D Garba, Rabiu B Yunus, Shehu A Adamu, Daihai He,

2021, Mathematical modeling and analysis of schistosomiasis transmission dynamics, International Journal of Modeling, Simulation, and Scientific Computing Volume 12 Issue number 4, pages , 2150021.

64. Salisu M Muhammad, Evren Hincal, Umar Tasiu Mustapha, Abdullahi Yusuf, **2021, Mathematical modeling and analysis for the transmission dynamics of blinding trachoma with effect of awareness programs**, Results in Physics Volume 28 Pages 104683.
65. Abdullahi Yusuf, Tukur Abdulkadir Sulaiman, Evren Hincal, Dumitru Baleanu, **2021, Lump, its interaction phenomena and conservation laws to a nonlinear mathematical model**, Journal of Ocean Engineering and Science.
66. Allaberen Ashyralyev, Evren Hincal, Bilgen Kaymakamzade, **2021, Crank-Nicholson difference scheme for the system of nonlinear parabolic equations observing epidemic models with general nonlinear incidence rate**, Mathematical Biosciences and Engineering Volume 18 Issue 6 Pages 8883-8904.
67. Tukur Abdulkadir Sulaiman, Abdullahi Yusuf, Evren Hincal, Dumitru Baleanu, Mustafa Bayram, **2021, Two-wave, breather wave solutions and stability analysis to the (2+1)-dimensional Ito equation**, Journal of Ocean Engineering and Science.
68. Sania Qureshi, Amanullah Soomro, Evren Hincal, **2021, A New Family of acceptable Nonlinear Methods with Fixed and Variable Stepsize Approach**, Computational and Mathematical Methods, e1213.
69. Umar Farooq, Hassan Khan, Fairouz Tchier, Evren Hincal, Dumitru Baleanu, Haifa Bin Jebreen, **2021, New approximate analytical technique for the solution of time fractional fluid flow models**, Advances in Difference Equations Volume 2021 Issue 1 Pages 1-20.
70. Asifa Tassaddiq, Sania Qureshi, Amanullah Soomro, Evren Hincal, Dumitru Baleanu, Asif Ali Shaikh, **2021, A New Three-Step Root-Finding Numerical Method and Its Fractal Global Behavior**, Fractal and Fractional Volume 5 Issue 4 Pages 204.
71. A Pratap, R Raja, Ravi P Agarwal, J Alzabut, M Niezabitowski, E Hincal, **2021, Further Results on Asymptotic And Finite-time Stability Analysis of Fractional-Order Time-Delayed Genetic Regulatory Networks**, Neurocomputing,
72. Ahmet Savasan, Kaymakamzade Bilgen, Nezihal Gokbulut, Evren Hincal, Elcin Yoldascan, **2022, Sensitivity Analysis of COVID-19 in Mediterranean Island Computer Modeling in Engineering & Sciences**, Pages 133-148.

73. Cemile Bagkur, Emrah Guler, Bilgen Kaymakamzade, Evren Hincal, Kaya Suer, **2022, Near Future Perspective of ESBL-Producing Klebsiella pneumoniae Strains Using Mathematical Modeling**, CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, Volume:130(1), Pages:111-132.
74. Pratap Anbalagan, Raja Ramachandran, Jehad Alzabut, Evren Hincal, Michal Niezabitowski, **2022, Improved Results on Finite-Time Passivity and Synchronization Problem for Fractional-Order Memristor-Based Competitive Neural Networks: Interval Matrix Approach**, Fractal and Fractional, Fractal and Fractional Volume:6(1), Pages:36.
75. Pratap Anbalagan, Raja Ramachandran, Evren Hincal, **2022, Finite time synchronization of discontinuous fractional order Cohen–Grossberg memristive neural networks with discrete delays under sliding mode control strategies**, Fractional-Order Modeling of Dynamic Systems with Applications in Optimization, Signal Processing and Control, Pages:213-248.
76. A Pratap, R Raja, Ravi P Agarwal, J Alzabut, M Niezabitowski, E Hincal, **2022, Further results on asymptotic and finite-time stability analysis of fractional-order time-delayed genetic regulatory networks**, Neurocomputing, Volume:475, Pages:26-37.
77. Abdullahi Garba Usman, Umar Muhammad Ghali, Mohamed Alhosen Ali Degm, Salisu M Muhammad, Evren Hincal, Abdulaziz Umar Kurya, Selin İşik, Qendresa Hoti, SI Abba, **2022, Simulation of liver function enzymes as determinants of thyroidism: a novel ensemble machine learning approach**, Bulletin of the National Research Centre (2022) 46:73 <https://doi.org/10.1186/s42269-022-00756-6>.
78. Bilgen Kaymakamzade, Evren Hincal, Nezihal Gokbulut, Tamer Sanlidag, **2022, Decision Analysis Applied to the Field of Environmental Health, 2022, Decision Analysis Applied to the Field of Environmental Health-Springer Nature**, P.65.
79. Bilgen Kaymakamzade, Tamer Sanlidag, Nazife Sultanoglu, Farouk Tijjani Sa'ad, Murat Sayan, Evren Hincal, **2022, Decision Analysis Applied to the Field of Environmental Health-Springer Nature**, Page 97.
80. Nezihal Gokbulut, Nazife Sultanoglu, Tamer Sanlidag, Murat Sayan, Evren Hincal, **2022, Reliability of Covid-19 PCR Test Results with Statistical Distributions, Decision Analysis Applied to the Field of Environmental Health-Springer Nature**, Page 107.
81. Nazife Sultanoglu, Farouk Tijjani Saad, Tamer Sanlidag, Bilgen Kaymakamzade, Evren Hincal, Murat Sayan, **2022, Determination of the Epidemic Character of HIV Infections in Children in Turkey Using a Mathematical Model, Decision Analysis Applied to the Field of Environmental Health-Springer Nature**, Page 89.
82. Bilgen Kaymakamzade, Evren Hincal, Nezihal Gokbulut, **2022, Importance of Carrying Capacity While Fighting with COVID-19, Decision Analysis Applied to the Field of Environmental Health-Springer Nature**, Page 77.

83. Sania Qureshi, Amanullah Soomro, Evren Hincal, Jung Rye Lee, Choonkil Park, MS Osman, 2022, **An efficient variable stepsize rational method for stiff, singular and singularly perturbed problems**, Alexandria Engineering Journal, Vol:61, Issue:61, Pages:10953-10963.
84. Mohammad Momenzadeh , Olivia Ada Obi and Evren Hincal, 2022, **A Bi-Geometric Fractional Model for The Treatment of Cancer Using Radiotherapy**, *Fractal Fract.* 2022, 6(6), 28
85. Bedriye Gizem Çelebioğlu Genç; Kaan Orhan; Evren Hincal, 2022, **Maxillary and Mandibular Third Molars Impaction with Associated Pathologies in a North Cyprus Population: A Retrospective Study**, Appl. Sci. 2022, Volume 12, Issue 11, 5756.
86. Ulaş Hürdanoğlu, Bilgen Kaymakamzade, Zazife Sultanoğlu, Emrah Güler, Evren Hincal, Kaya Süer, 2022, **Evaluation of ESBL resistance dynamics in Escherichia coli isolates by mathematical modeling**, Open Physics, DOI: 10.1515/phys-2022-0162, <https://doi.org/10.1515/phys-2022-0054>.
87. Zulqurnain Sabir, Dumitru Baleanu, Muhammad Asif Zahoor Raja, Evren Hincal, 2022, **A hybrid computing approach to design the novel second order singular perturbed delay differential Lane-Emden model**, Physica Scripta, Volume 97, Number 8.
88. Sania Qureshi, Amanullah Soomro, Asif Ali Shaikh, Evren Hincal, Nezihal Gokbulut, 2022, **A Novel Multistep Iterative Techniques for Models in Medical Sciences with Complex Dynamics**, Computational and Mathematical Methods in Medicine, Volume 2022, <https://doi.org/10.1155/2022/7656451>
89. Abdullahi Yusuf, Tukur Abdulkadir Sulaiman, Evren Hincal, Dumitru Baleanu, 2022, **Lump, its interaction phenomena and conservation laws to a nonlinear mathematical model**, Journal of Ocean Engineering and Science, Volume:7, Issue:4, Pages:363-371.
90. Sania Qureshi, Higinio Ramos, Amanullah Soomro, Evren Hincal, **Time-efficient reformulation of the Lobatto III family of order eight**, Journal of Computational Science, Volume 63, <https://doi.org/10.1016/j.jocs.2022.101792>.
91. Abdullahi Garba Usman, Umar Muhammad Ghali, Mohamed Alhosen Ali Degm, Salisu M Muhammad, Evren Hincal, Abdulaziz Umar Kurya, Selin Işik, Qendresa Hoti, SI Abba, **Simulation of liver function enzymes as determinants of thyroidism: a novel ensemble machine learning approach**, Bulletin of the National Research Centre, Volume:46, Issues:1, Pages:1-10.

92. Sania Qureshi, Amanullah Soomro, Evren Hincal, Jung Rye Lee, Choonkil Park, MS Osman, **An efficient variable stepsize rational method for stiff, singular and singularly perturbed problems**, Alexandria Engineering Journal, Volume:61, Issue:12, Pages:10953-10963.

SCOPUS

93. Abba Auwalu, Evren Hınçal “**Kannan-Type Fixed Point Theorems For Four Maps in Cone Pentagonal Metric Spaces**” *Global Journal of Pure and Applied Mathematics*, Accepted(March 2016)
94. Abba Auwalu, Evren Hınçal” **A Note on Banach Contraction Mapping principle in Cone Hexagonal Metric Space**” *British Journal of Mathematics & Computer Science* 16(1): 1-12, 2016
95. Abba Auwalu, Evren Hınçal “**The Kannan’s Fixed Point Theorem in a Cone Hexagonal Metric Spaces**’ *Advances in Research* 7(1):1-9,2016
96. Abba Auwalu, Evren Hınçal “**Common fixed points of two maps in cone pentagonal metric spaces**” *Global Journal of Pure and Applied Mathematics*, Accepted(September 2016)
97. Abba Auwalu, Evren Hınçal “ **Kannan-type fixed point theorem in cone pentagonal metric spaces** “ *International Journal of Pure and Applied Mathematics* 2016
98. Abba Auwalu, Evren Hınçal “ **Banach-type fixed point theorem for four maps in cone pentagonal metric spaces** “*Far East Journal of Mathematical Sciences, Volume 100, Number 7, 2016, Pages 1141-1157*
99. Evren Hınçal, Nuriye Sancar “**Statistical Modelling and Forecasting of Female Breast Cancer Cases In Northern Cyprus**”, “*Far East Journal of Mathematical Sciences, Volume 101, Number 8, 2017, Pages 1761-1770*
100. B Kaymakamzade, E Hincal, FN Suren, N Gokbulut 2020 **Estimating Covid-19 deaths by using binomial model** AIP Page 50
101. E Hincal, B Kaymakamzade, N Gokbulut 2020 **Basic reproduction number and effective reproduction number for North Cyprus for fighting Covid-19** Bulletin of the Karaganda University MATHEMATICS series. № 3(99)/2020 PAGE 86.

102. E Hincal, S Mohammed, B Kaymakamzade 2020 **Stability analysis of an eco-epidemiological model consisting of a prey and two competing predators with SI-disease in prey and toxicant** Bulletin of the Karaganda University MATHEMATICS series. № 3(99)/2020
103. Umar T Mustapha, Salihu S Musa, Muhammad A Lawal, Aliyu Abba, Evren Hincal, Musa D Mohammed, Bashir D Garba, Rabiu B Yunus, Shehu A Adamu 2020 **Mathematical Modeling and Analysis of Schistosomiasis Transmission Dynamics** International Journal of Modeling, Simulation, and Scientific Computing, <https://doi.org/10.1142/S1793962321500215>.
104. Bilgen Kaymakamzade, Evren Hincal, Fatma Nese Suren, Nezihal Gokbulut. 2020 **Estimating Covid-19 deaths by using binomial model**, Fifth International Conference on Analysis and Applied Mathematics.000031.
105. David Amilo, Bilgen Kaymakamzade and Evren Hincal. (2020) **A Fractional-Order Two-Strain Epidemic Model with Two Vaccinations**, Fifth International Conference on Analysis and Applied Mathematics. 2020-000034
106. Bilgen Kaymakamzade, Evren Hincal, Umar T. Mustapha, and Nezihal Gokbulut. (2020) **Effective Reproduction Number for North Cyprus Fighting Covid-19**, Fifth International Conference on Analysis and Applied Mathematics. 2020-0041.
107. Evren Hincal, Bilgen Kaymakamzade, Umar T. Mustapha, Salisu M. Muhammed ,and Nezihal Gokbulut. (2020) **Mathematical Modelling of HIV Infection with the Effect of Horizontal and Vertical Transmissions**, Fifth International Conference on Analysis and Applied Mathematics.2020-000045.
108. Nezihal Gokbulut, Bilgen Kaymakamzade, Tamer Sanlidag, and Evren Hincal. (2020) **Mathematical modelling of covid-19 with the effect of vaccine**, Fifth International Conference on Analysis and Applied Mathematics. 2020-000051.
109. Salisu M. Muhammad, Evren Hincal, Bilgen Kaymakamzade, and Nezihal Gokbulut. (2020) **Sensitivity analysis on the SEIR-SEI model for the dynamics of blinding trachoma**, Fifth International Conference on Analysis and Applied Mathematics. 2020-000056.
110. Evren Hincal, Sultan Hamed Alsaadi and Nezihal Gokbulut. (2020) **Existence and Uniqueness of Solution of Fractional Order COVID - 19 Model**, Fifth International Conference on Analysis and Applied Mathematics. 2020-000061.
111. Pratap Anbalagan, Evren Hincal, Raja Ramachandran, Dumitru Baleanu, Jinde Cao, Chuangxia Huang, Michal **Niezabitowski Delay-coupled fractional order complex Cohen-Grossberg neural networks under parameter uncertainty: Synchronization stability criteria [J]** AIMS Mthematics Volume:6 Issue:3 Pages:2844-2873.

112. Evren Hincal, Sultan Hemed Alsaadi, **Stability analysis of fractional order model on corona transmission dynamics**, Chaos, Solitons and Fractals, 143(2021) 110628.

113. Evren Hincal, Bilgen Kaymakamzade, and Nezihal Gokbulut, 2021, **HUMIDITY LEVEL ON COVID-19 WITH CONTROL STRATEGIES**, International Journal of Applied Mathematics, Volume 34, No. 4.

114. A Ashyralyev, S Ibrahim, E Hincal, 2022, **ON STABILITY OF THE THIRD ORDER PARTIAL DELAY DIFFERENTIAL EQUATION WITH NONLOCAL BOUNDARY CONDITIONS**, International Journal of Applied Mathematics, Volume:35, Issue:1, Page:1.

9.2. Uluslararası (Alan Index)diğer hakemli dergilerde yayınlanan makaleler.

115. Evren Hınçal, **Cancer and Cardiovascular Disease Modelling in North Cyprus** *IJRRAS 2 (2), February 2010.*

116. Atilla Berberoğlu, Kaan Orhan, Hikmet Solak, Hayriye Tümer, Evren Hınçal **"Kuzey Kıbrıs Türk Cumhuriyeti Lapta Bölgesi Erişkinlerde Ağız Dış Sağlığı Profilinin Belirlenmesi"** *Journal of Marmara University Institute of Health Sciences Cilt 4, Sayı 2 (2014) p.76-84*

117. Isa Abdullahi Baba, Evren Hincal **"Statistical Analysis of Tuberculosis in Jigawa State, North-Western Nigeria "** *Malaysian Journal of Medical and Biological Research (MJMBR), Volume 2; Number 3/2015.*

118. Isa Abdullahi Baba, Evren Hincal **"Statistical Analysis of Tuberculosis in Jigawa State, North-Western Nigeria "** *Malaysian Journal of Medical and Biological Research (MJMBR), Volume 2; Number 3/2015.*

119. Isa Abdullahi Baba, Evren Hincal **"Cancer Incidence in Nigeria and Border Countries in 2012"**, *Malaysian Journal of Medical and Biological Research (MJMBR), Volume 3; Number 1/2016.*

120. Salihu Sabiu Abiu Musa, Evren Hınçal **"Bessel's Equation and Bessel Functions Solution to Schrödinger Equation in a Neumann and Hankel Functions"** *Vol. 3, Issue 1, January 2016 – April 2016*

9.3 Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings)

basılan bildiriler

121. Evren Hınçal **Environmental Problems of The Mediterranean Region 12-15 Nisan 2002 Near East University 'Environmental and Dietary Aspects of Cancer: Lessons from the Mediterranean'** .
122. Evren Hınçal², Kaan Orhan **'Konik Işınli Kompüterize Tomografi Kullanılarak Maksiller Sinus Septa Anatomisinin Bir Türk Popülasyonunda Retrospektif Olarak İncelenmesi'**, Türk Periodontoloji Derneği Bilimsel Kongresi, 19. Bilimsel Sempozyumu, p30, 29-31 Ekim 2009, Ankara.
123. Melis Mısırlı, Seçil Aksoy, Evren Hınçal, Kaan Orhan **1. Morphometric Analysis of the Infraorbital Foramen, Canal and Groove using 3D cone beam CT images reconstructed from a volumetric rendering program: A Retrospective Study in North Cyprus Population.**
124. Seçil Aksoy, Melis Mısırlı, Evren Hınçal, Kaan Orhan **Paranasal Sinus Anatomic Variations in Obstructive Sleep Apnea Patients and in Healthy Individuals.**
125. Melis Mısırlı, Kaan Orhan, Evren Hınçal. **Incidental findings on cone beam computed tomography in dental patients.**
126. Melis Mısırlı, Kaan Orhan, Evren Hınçal. **Incidental findings on cone beam computed tomography in dental patients..**
127. Oana Ludancu, Levent Vahdettin, E. Hınçal, Kaan ORHAN, **"Intraobserver reliability of different 2D cephalometric softwares: A retrospective study"**
128. L. Vahdettin, K. Orhan, O. Rusu, E. Hınçal **"Comparison of hand tracing and cephalometric software: a retrospective study"** 90th European Congress of Orthodontics, Poland.
129. K. Orhan, U. Oz, M. Misirli, S. Aksoy, E. Hınçal. **Rasmussen; Comparison of incidental findings between normal and obstructive sleep apnea patients using cone beam computed tomography scan.**
130. Abba Auwalu, Evren Hınçal, **A Generalized Banach Contraction Principle on Cone Pentagonal Metric Space over Banach algebra**, AIP conference proceeding 2018.
131. Allaberen Ashyralyev, Evren Hınçal, Süleiman Ibrahim, **Stability of the Third order Partial differential Equations with Time Delay**, AIP conference proceeding 2018.
132. Allaberen Ashyralyev, Evren Hınçal, Süleiman Ibrahim, **Numerical solutions of the System of Partial Differential Equations for Observing Epidemic Models**, AIP conference proceeding 2018.
133. Evren Hınçal, Farouk Tijjani Saad, Isa Abdullahi Baba, **A Mathematical Cancer Model with BCG Immunotherapy Combined with Immune Checkpoints Inhibitors: an Optimal Control Approach**, AIP conference proceeding 2018.
134. Bilgen Kaymakamzade, Evren Hınçal, **Delay Epidemic Model with or without vaccine**, AIP conference proceeding 2018.

10. Projeler

- 10.1) 2000 ve 2001 yıllarında Imperial College Neurobiology Bölümünde Academic Visitor olarak kanser epidemiolojisi üzerinde çalışmalarda bulunmuştur.

10.2) Kuzey Kıbrıs'daki kanser durumunun istatistik incelenmesi ve Avrupa standartlarına göre değerlendirilmesi Kanser Araştırma Vakfı tarafından desteklenmektedir

10.3) Kıbrıs Türk Toplumunun Güneşten Korunma Bilgi Düzeyi Anketi (Nisan 2011).

10.4) Erişkinlerde Ağız-Diş Sağlığı Profili ve Rehabilitasyon Çalışması (Mayıs 2012).

10.5) New design of stochastic computing solvers for the nonlinear real-world applications.(2021).

10.6) Investigations of complex dynamical systems.(2021).

10.7) Sparse Regression Modeling in Real-world Applications - The use of new optimization supported tools in Machine Learning(2022)

11. Son iki yılda Yakın Doğu Üniversitesi'nde aşağıdaki tabloda belirtilen lisans ve lisansüstü derslerini vermiştir:

Akademik Yıl	Dönem	Dersin Adı	Haftalık Teorik Saati	Haftalık Uygulama Saati	Öğrenci Sayısı
2021-2022	Güz	Analysis I	4	2	20
		Functional Analysis I	3	1	10
		Dynamical Systems I	3	1	9
		Ordinary Differential Equations I	3	1	15
2021-2022	Bahar	Analysis II	4	2	15
		Functional Analysis II	3	1	10
		Dynamical Systems II	2	1	10
		Ordinary Differential Equations II	3	1	12
		Biostatistic (for MsC)	3	-	6
2021-2022	Güz	Analysis I	4	2	12
		Functional Analysis I	3	1	10
		Dynamical Systems I	3	1	10
		Ordinary Differential Equations I	3	1	9

2021-2022	Bahar	Analysis II	4	2	11
		Functional Analysis II	3	1	10
		Ordinary Differential Equations II	3	1	10

ADRES VE TELEFONLAR

İŞ

Adres :Yakın Doğu Üniversitesi
Fen-Edebiyat Fakültesi
Yakın Doğu Bulvarı,Lefkoşa-KKTC

Telefon : (0392)223 6464-502

EY

Adres :Şht.İbrahim Kolaçoğlu Sok.
Şenol 22 Apt,Daire 1
Kermiya-Ortaköy-KKTC

Telefon : (0392) 228 9610

Cep : (0533) 8581715