CURRICULUM VITAE

1. **Name Surname:** Evren Hınçal

2. **Date of Birth:** 02/06/1973

3. **Title:** Professor

4. **Education:**

Degree	Department	University	Year
B.Sc.	Mathematics	Hacettepe University	1995
M.Sc.	Mathematics	Imperial College-University of London	1997
Ph.D.	Mathematics	Eastern Meditarrenean University	2009

5. **Academic Titles:**

   Date of Assistant Professor: December 2009, Faculty of Arts and Sciences, Mathematics Department.

   Date of Associate Professor: 16 March 2013, Faculty of Arts and Sciences, Mathematics Department.

   Date of Professor: 5 November 2018, Near East University.

6. **Academic and Administrative Duties:**

   Near East University, Vice Chair of Department of Mathematics: 2013-2015

   Near East University, Chair of Department of Mathematics: 2015-

   Near East University, Vice Dean of Faculty of Arts and Sciences: 2018-

   Near East University, Member of Academic Appointment and Promotion: 2019-

   Near East University, Member of Academic Appointment and Promotion of Higher Education Planning, Evaluation, Accreditation and Coordination Council: 2020-2021.

   Head of Consultancy in Prime Minister Covid-19 Research Group: March 2020-February 2021.

7. **Journal Editorials:**

   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.”Fifthh 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. Thesis

8.1 Master Thesis

1. Seçkin Varol(2010):Predetor-Prey Model with Time Delay, Near East University, Department of Mathematics.

2. Nuriye Sancar(2012):Bessel Equations and Applications, Near East University, Department of Mathematics.

3. Ibrahim Süleiman(2015): Complete Asymtotoic Expansion For Some Positive Linear Operators, Near East University, Department of Mathematics.

4. Umar Tasiu Mustapha(2015): The Role Threshold Quantity on Local Stability of SIR Model with Birth Rate and Death Rate Equal, Near East University, Department of Mathematics.

5. Salihu Sabiu Musa(2015): Bessel's Differential Equations and Applications of Schrodinger Equation to Neumann and Henkel Functions, Near East University, Department of Mathematics.

6. Shehu Abba Adamu(2015): A non-Linear Prey-Predetor Model with Lags for Maturity, Near East University, Department of Mathematics.

7. S.M.Karma(2017): A Bisection of Bessel Functions And Applications To solutions of Schrödinger Time Dependent Equation In Cylindrical and Spherical Well, Near East University, Department of Mathematics.

8.Saad Idrıs Jumaa Shekan(2017): Solving Linear First Order Delay Differential Equations By Moc and Steps Method Comparing with Matlab Solver, Near East University, Department of Mathematics.

9. Meral İpek Azimli(2017): Statistical Analysis of The Ebola Outbreak In West Africa, Near East University, Department of Mathematics.

10. Nezihal Gökbulut(2020): Mathematical and Statistical Modelling in Covid-19, Near East University, Department of Mathematics.

8.2 Ph.D. Thesis

Completed:

1.Isa Baba(2018), Near East University, Department of Mathematics.

Thesis Title: Mathematical Studies on Influenza Models.

2.Bilgen Kaymakamzade(2018), Near East University, Department of Mathematics.

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

3.Farouk Saad Tijjani (2020), Near East University, Department of Mathematics.

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

4.Süleiman Ibrahim(2020), Near East University, Department of Mathematics.

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

5. Umar Tasiu Mustapha (2021), Near East University, Department of Mathematics.

Thesis Title: Mathematical Dynamics and Analysis of Hookworm Infection.

6.Sultan Hamed Khalifa Al Saadi(2021), Near East University, Department of Mathematics.

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

7.Abba Auwalu(2021), Near East University, Department of Mathematics.

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

8. Salisu Muhammad Muhammad(2021), Near East University, Department of Mathematics.

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

9.Amna Haşimi(2022), Near East University, Department of Mathematics.

Thesis Title: Dynamical Model to Optimize Student's Acadamic Perforfance using the systems ODEs.

10. Olivia Ada Obi(2022), Near East University, Department of Mathematics.

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

9. **Publications:**

 9.1. <u>**SCI-SCIE-ESCI**</u>

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* DOİ: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 Madicine.

21. Abba Auwalu, Evren Hınçal, **AGeneralized 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 Hincal, **Delay Epidemic Model with or without vaccine,** AIP conference proceeding **2018**.

27. IA Baba, B Kaymakamzade, E Hincal **2018 Two-strain epidemic model with two vaccinations** - Chaos, Solitons & Fractals, 106 ,342–348

28. IA Baba, E Hincal, **2018,A model for influenza with vaccination and awareness** ,Chaos, Solitons & Fractals,106 ,49–55.

29. Isa Abdullahi Baba∗, Evren Hincal 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, Hıncal 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¸ alıs¸, 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 Korpinar, 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 Hinçal, **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 Volume12 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 Hınçal, **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.

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77. Abdullahi Garba Usman, Umar Muhammad Ghali, Mohamed Alhosen Ali Degm, Salisu M Muhammad, Evren Hincal, Abdulaziz Umar Kurya, Selin Işik, 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.

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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.

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